UNIVERSITY OF JOHANNESBURG



FACULTY OF HEALTH SCIENCES

RULES AND REGULATIONS

2025

UNDERGRADUATE AND POSTGRADUATE PROGRAMMES

www.uj.ac.za

The University reserves the right to supplement, delete or change any part of a regulation without prior notice.

TABLE OF CONTENTS

| | | Page |
|----------------|---|------|
| Α. | GENERAL INFORMATION | 6 |
| HS i | Contact Information | 6 |
| HS ii | General Enquiries for the Faculty of Health Sciences | 7 |
| HS <i>iii</i> | Minimum Programme Admission Requirements | 8 |
| HS iv | Exemptions | 10 |
| HS v | Recognition of prior learning | 10 |
| HS vi | Assessment | 10 |
| HS <i>vii</i> | <u>Distinction Criteria</u> | 11 |
| HS <i>viii</i> | Policy: Exposure to Infectious Agents | 13 |
| HS ix | African Insights / Artificial Intelligence in the 4IR | 14 |
| HS x | Academic Staff | 15 |
| HS <i>xi</i> | Faculty Administrative Staff | 22 |
| В. | FACULTY REGULATIONS | 23 |
| HS1.0 | Department of Biomedical Sciences | 23 |
| HS1.1 | Bachelor of Health Sciences in Medical Laboratory Sciences (B9B01Q) | 23 |
| HS1.2 | Master of Health Sciences: Biomedical Sciences (M9BS1Q) | 27 |
| HS1.3 | PhD Health Sciences: Biomedical Science (P9HS1Q) | 28 |
| HS2.0 | Department of Chiropractic | 29 |
| HS2.1 | Bachelor of Health Sciences in Chiropractic (B9C01Q) | 29 |
| HS2.2 | Master of Health Sciences in Chiropractic (M9C01Q) | 34 |
| HS2.3 | PhD Health Sciences: Chiropractic (P9HS2Q) | 36 |
| HS3.0 | Department of Complementary Medicine | 37 |
| HS3.1 | Bachelor of Health Sciences in Complementary Medicine (B9CM1Q) | 37 |
| HS3.2 | Postgraduate Diploma in Acupuncture (E9A01Q) | 43 |
| HS3.3 | Postgraduate Diploma in Phytotherapy (E9P01Q) | 44 |
| HS3.4 | Master of Health Sciences in Complementary Medicine (M9CM1Q) | 46 |
| HS3.5 | Doctor of Health Sciences in Complementary Medicine (P9CM1Q) | 48 |

| HS4.0 | Department of Emergency Medical Care | 49 |
|-------|--|----|
| HS4.1 | Higher Certificate in Emergency Medical Care (F9E01Q) | 49 |
| HS4.2 | Diploma in Emergency Medical Care (D9E01Q) | 52 |
| HS4.3 | Advanced Certificate in Medical Rescue (C9AMRQ) | 55 |
| HS4.4 | Bachelor of Health Sciences in Emergency Medical Care (B9E01Q) | 59 |
| HS4.5 | Postgraduate Diploma in Clinical Simulation (E9CSMO) | 64 |
| HS4.6 | Master of Emergency Medical Care (M9E01Q) | 66 |
| HS4.7 | PhD Health Sciences: Emergency Medical Care (P9H16Q) | 68 |
| HS5.0 | Department of Environmental Health | 70 |
| HS5.1 | Bachelor of Environmental Health (B9ENV1) | 70 |
| HS5.2 | Master of Health Sciences: Environmental Health (M9EH1Q) | 73 |
| HS5.3 | Master of Public Health (M9EN3C) | 74 |
| HS5.4 | PhD Health Sciences: Environmental Health (P9HS3Q) | 76 |
| HS5.5 | PhD Health Sciences: Public Health (P9HS6Q) | 77 |
| HS6.0 | Department of Human Anatomy and Physiology | 78 |
| HS6.1 | Master of Health Sciences: Human Physiology (M9HA1Q) | 78 |
| HS6.2 | Master of Health Sciences: Human Anatomy (M9AT1Q) | 79 |
| HS6.3 | PhD Health Sciences: Human Physiology (P9H15Q) | 80 |
| HS6.4 | PhD Health Sciences: Human Anatomy (P9HS9Q) | 81 |
| HS7.0 | Department of Medical Imaging and Radiation Sciences (MIRS) | 82 |
| HS7.1 | Bachelor of Diagnostic Radiography (B9M01Q) | 82 |
| HS7.2 | Bachelor of Diagnostic Ultrasound (B9M03Q) | 86 |
| HS7.3 | Bachelor of Nuclear Medicine (B9M02Q) | 89 |
| HS7.4 | Bachelor of Radiation Therapy (B9M04Q) | 93 |
| HS7.5 | Master of Medical Imaging and Radiation Sciences (M9MI1Q) | 96 |
| HS7.6 | PhD Health Sciences: Medical Imaging and Radiation Sciences (P9HS8Q) | 97 |

| HS8.0 | Department of Nursing | 99 |
|--------|--|-----|
| HS8.1 | Bachelor of Nursing (B9N02Q) | 99 |
| HS8.2 | Postgraduate Diploma in Midwifery (E9MW1Q) | 103 |
| HS8.3 | Postgraduate Diploma in Critical Care Nursing (Adult) (E9IC1Q) | 105 |
| HS8.4 | Postgraduate Diploma in Nursing Education (E9ED1Q) | 107 |
| HS8.5 | Postgraduate Diploma in Primary Care Nursing (E9PC1Q) | 109 |
| HS8.6 | Postgraduate Diploma in Health Service Management (E9HS1Q) | 111 |
| HS8.7 | Postgraduate Diploma in Occupational Health Nursing (E9OC1Q) | 112 |
| HS8.8 | Master of Nursing Science in Community Nursing Science (Research dissertation) (M9N02Q) | 114 |
| HS8.9 | Master of Nursing Science in Community Nursing Science: Occupational Health Nursing Science (Research dissertation) (M9N04Q) | 115 |
| HS8.10 | Master of Nursing Science in Community Nursing Science: Primary Health Care (Research dissertation) (M9N06Q) | 116 |
| HS8.11 | Master of Nursing Science in Medical and Surgical Nursing: Critical Care General(Research dissertation) (M9N08Q) | 117 |
| HS8.12 | Master of Nursing Science in Midwifery and Neonatal Nursing Science(Research dissertation) (M9N11Q) | 118 |
| HS8.13 | Master of Nursing Science in Ethos and Professional Practice (Research dissertation) (M9N14Q) | 119 |
| HS8.14 | <u>Master of Nursing Science in Nursing Education(Research dissertation)</u> (M9N16Q) | 120 |
| HS8.15 | <u>Master of Nursing Science in Nursing Administration (Research dissertation)</u> (M9N15Q) | 121 |
| HS8.16 | Master of Nursing Science in Psychiatric Mental Health Nursing(Research dissertation) (M9N18Q) | 122 |
| HS8.17 | Doctor of Nursing Science: (P9N01Q, P9N06Q, P9N05Q, P9N14Q, P9N02Q, P9N03Q, P9N08Q) | 123 |
| HS9.0 | Department of Optometry | 126 |
| HS9.1 | Bachelor of Optometry (B9O02Q) | 126 |
| HS9.2 | Master of Health Sciences (Optometry) (M9OT1Q) | 132 |
| HS9.3 | PhD Health Sciences: Optometry (P9HS4Q) | 133 |
| HS10.0 | Department of Podiatry | 134 |
| HS10.1 | Bachelor of Health Sciences in Podiatry (B9P01Q) | 134 |

| HS10.2 | Master of Health Sciences: Podiatry (M9PD1Q) | 139 |
|---------|---|-----|
| HS10.3 | PhD Health Sciences: Podiatry (P9HS5Q) | 140 |
| HS11.0 | Department of Sport and Movement Studies | 142 |
| HS11.1 | Higher Certificate in Sport Administration (F9SA1Q) | 142 |
| HS11.2 | Higher Certificate in Sport Coaching and Exercise Sciences (F9SC2Q) | 144 |
| HS11.3 | Diploma in Sport Management (D9S01Q) | 146 |
| HS11.4 | Bachelor of Commerce in Sport Management (B9S14Q) | 149 |
| HS11.5 | Bachelor of Health Sciences in Sport and Exercise Sciences (B9SE1Q) | 152 |
| HS11.6 | Bachelor of Biokinetics (B9S15Q) | 154 |
| HS11.7 | Bachelor of Commerce Honours in Sport Management (H9S05Q) | 157 |
| HS11.8 | Bachelor of Arts Honours in Sport Science (H9S03Q) | 159 |
| HS11.9 | Magister of Philosophy in Biokinetics (M9S03Q) | 160 |
| HS11.10 | Magister of Commerce in Sport Management (M9S02Q) Master Philosophy in Sport Management (M9S04Q) | 161 |
| HS11.11 | Magister of Philosophy in Sport Science (M9S06Q) | 162 |
| HS11.12 | PhD Health Sciences: Biokinetics (P9H12Q) | 163 |
| HS11.13 | PhD Health Sciences: Sport Science (P9H11Q) | 164 |
| HS11.14 | PhD Health Sciences: Sport Management (P9H17Q) | 166 |

| HS12.0 | Modules Presented by the Faculty | 168 |
|---------|---|-----|
| HS12.1 | Department of Biomedical Sciences | 168 |
| HS12.2 | Department of Chiropractic | 188 |
| HS12.3 | Department of Complementary Medicine | 213 |
| HS12.4 | Department of Emergency Medical Care | 269 |
| HS12.5 | Department of Environmental Health | 579 |
| HS12.6 | Department of Medical Imaging and Radiation Sciences (MIRS) | 607 |
| HS12.7 | Department of Nursing | 659 |
| HS12.8 | Department of Optometry | 742 |
| HS12.9 | Department of Podiatry | 794 |
| HS12.10 | Department of Sport and Movement Studies | 812 |

A GENERAL INFORMATION

Note

All Faculty Rules and Regulations should always be read in conjunction with the Academic Rules and Regulations of the University, as well as the general Rules and Regulations per Department per programme.

HS i CONTACT INFORMATION

EXECUTIVE DEAN

Prof A Temane Doornfontein Campus (DFC)

Tel: 011 559-6224 anniet@uj.ac.za

SECRETARY TO THE EXECUTIVE DEAN / VICE-DEANS

Ms P Motshoene Doornfontein Campus (DFC)

Tel: 011 559-6225 pmotshoene@uj.ac.za

VICE-DEAN (TEACHING AND LEARNING)

Prof C Vincent-Lambert
Doornfontein Campus (DFC)

Tel: 011 559-6257 clambert@uj.ac.za

VICE-DEAN (RESEARCH INNOVATION AND GLOBAL ENGAGEMENT)

Prof C Yelverton
Doornfontein Campus (DFC)

Tel: 011 559-6218 chrisy@uj.ac.za

HEAD OF FACULTY ADMINISTRATION (HFA)

Ms B Vilakazi Doornfontein Campus (DFC)

Tel: 011 559-6234 bathabilev@uj.ac.za

POSTAL ADDRESS

Faculty of Health Sciences University of Johannesburg PO Box 524 Auckland Park 2006

HS ii GENERAL ENQUIRIES FOR THE FACULTY OF HEALTH SCIENCES

FACULTY ADMINISTRATION OFFICE

Doornfontein Campus (DFC)

Tel: 011 559-6925

Web address: web-healthscience@uj.ac.za

UJ CALL CENTRE

Tel: 011 559-4555

STUDENT ENROLMENT CENTRE ENQUIRIES

Tel: 011 559-4505/4502 Web address: mylife@uj.ac.za

STUDENT BURSARY ENQUIRIES

Internal Bursaries - Tel: 011 559-4436/3411/5220

Web address: meritbursaries@uj.ac.za

External Bursaries - Tel: 011 559-6274/6940

Web address: externalbursaries@uj.ac.za

STUDENT FEES AND ACCOUNTS ENQUIRIES

Tel: 011 559-6937/6440

Web address: studentaccounts@uj.ac.za

NATIONAL STUDENT FINACIAL AID SCHEME (NSFAS)

Tel: 011 559-6412/6063

Web address: nsfas@uj.ac.za

STUDENT RESIDENCE ENQUIRIES

Tel: 011 559-4989/6552

SPORT ENQUIRIES

Tel: 011 559-3784/1307

SPORT BUREAU ENQUIRIES

Tel: 011 559-4154

HS iii MINIMUM PROGRAMME ADMISSION REQUIREMENTS

Award yourself points for each Grade 11 or Grade 12 subjects that you have passed according to the table provided below.

How to determine your Admission Point Score (APS):

An Admission Point Score (APS), explained below, has been developed for the National Senior Certificate (NSC) and the Independent Examinations Board (IEB) based in the achievement rating of each subject. The total APS is the sum of the achievement ratings of the six school subjects. Life Orientation is not counted in the calculation of the APS.

Rules to be implemented with this development:

In order to determine the Admission Point Score (APS) the following principles need to be taken into consideration:

- Applicants with the following results, WAEC, Diploma or Exam D'Etat, Certificado de Habilitscoes Literarias, Ensino Medio and Baccalaureat should be linked with the Ordinary Level (O) Grades on ITS.
- Applicants with the following results, HIGCSE, NSSC (HL), AS Level, IB (SL) and KCSE should be linked to the South African NSC (N) Grades on ITS.
- Applicants who have set for either A Level of IB (HL) should be linked to the (A) Grades on ITS.

ADMISSION POINT SCORE (APS) TABLE

| | N | IATIONA | L | INTERNATIONAL | | | | | | | | | | | |
|-----|------------------------|-----------------|-----------------|--------------------|-------------------|-------------|----------|---------|---------|------|------|--------------------------|-----------|---------------|------|
| APS | NSC (IEB/SACAI/ISC) | SC HG (M-SCORE) | SC SG (M-SCORE) | HIGCSE / NSSC (HL) | IGCSE / NSSC (OL) | AS LEVELS | A LEVELS | IB (HL) | IB (SL) | WAEC | KCSE | Diplome / Exam D'Etat | CHL / EM | Baccalaureate | AHSD |
| 10 | | | | | | | A/A* | 7 | | | | | | | |
| 9 | | | | | | | В | 6 | | | | | | | |
| 8 | | | | | | | С | 5 | | | | | | | |
| 7 | 7 (80- 100%) | А | | 1 | | A/A* (7) | D | 4 | 7 | | А | | | | А |
| 6 | 6 (70- 79%) | В | А | 2 | | B (6) | E | 3 | 6 | | В | | | | В |
| 5 | 5 (60- 69%) | С | В | 3 | A/A* (9-7) | C (5) | | 2 | 5 | А | С | 80-100% | 16- 20 | 16-20 | С |
| 4 | 4 (50- 59%) | D | С | 4 | B (6- 5) | D (4) | | 1 | 4 | В | D | 70-79% | 14- 15 | 14-15 | D |
| 3 | 3 (40- 49%) | E | D | | C (4) | E (3) | | | 3 | С | E | 50-69% | 10- 13 | 10-13 | |
| 2 | 2 (30- 39%) | F | E | | D/E (3) | | | | 2 | D/E | F | 30-49% | 8-9 | 8-9 | |
| 1 | 1 (0- 29%) | G | F | | F/G (2-1) | | | | 1 | F/G | G | 0-29% | 0-7 | 0-7 | |

ABBREVIATIONS

NSC - National Senior Certificate (completed Grade 12 in and after 2008)

SC HG - Senior Certificate Higher Grade (completed Grade 12 before 2008)

SC SG - Senior Certificate Standard Grade (completed Grade 12 before 2008)

IEB - Independent Examination Board

ISC International Secondary Certificate

SACAI South African Comprehensive Assessment Institute

HIGCSE - Higher International General Certificate of Secondary Education

IGCSE - International General Certificate of Secondary Education

NSSC(HL) - Namibia Senior Secondary Certificate (Higher Level)

NSSC(OL) - Namibia Senior Secondary Certificate (Ordinary Level – Cambridge)

AS - Advanced Subsidiary Level (Cambridge)

A Level - Advanced Level (Cambridge)

IB(HL) - International Baccalaureate Schools (Higher Levels)

IB(SL) - International Baccalaureate Schools (Standard Levels)

WAEC - West African Examination Council

KCSE - Kenya Certificate of Secondary Education

Diplome/Exam D'Etat - Diplome d'Etat or d'Etudes Secondaire du Cycle

CHL/EM - Certificado de Habilitacoes Literarias (Mozambique) / Ensino Medio (Angola)

Baccalaureate - Gabonese School Leaving

AHSD - American High School Diploma

Points are awarded for the six symbols on your Final Grade 11 or Final Grade 12 report, see example below.

| School Subject | Marks | APS |
|--|-------|-----|
| First Language (language of teaching and learning) | 65% | 5 |
| Additional recognized language | 71% | 6 |
| Mathematics or Mathematical Literacy | 61% | 5 |
| Accounting | 68% | 5 |
| History | 81% | 7 |
| Geography | 86% | 7 |
| Total | | 35 |

^{*} Life Orientation is not counted in the calculation of the total APS.

Compliance with the minimum programme admission **requirements does not guarantee a place or space in a programme**. The General Academic Regulations of the University applies ineach case.

HS iv EXEMPTIONS

Students may apply for module exemptions after they have registered for the current academic year. Application forms are available from the Faculty Administration Office. The closing date for submission is the end of **March** each academic year.

Students should in particular take note of the following general **Academic Regulations (AR8)** of the University:

An HOD may, in consultation with the Executive Dean or their delegated authority, in accordance with a list of exemptions approved by the Executive Dean, grant exemption from and award a credit for a module of which the content of the module was at least 80% the same, to students on the grounds that they have passed a relevant module at the University or at another accredited higher education institution. Applications for exemptions must be submitted during the registration period.

Exemption from and awarding of credits for modules, as stipulated in **AR 8.1**, may not be granted for more than half the number of NQF credits required in an undergraduate programme in which exemption and recognition are requested. A faculty may determine rules and regulations in this regard in agreement with the existing Faculty Rules and Regulations, and subject to approval by Senate. At least half the number of NQF credits at the exit-level, should be passed at the University, for UJ to award the diploma or confer the degree. The Executive Dean or their delegated authority concerned, in consultation with the Registrar, may give permission to the student (for legitimate reasons) to complete such exit-level module(s) at another HEI in South Africa, or abroad in accordance with the academic record/transcript concerned.

Only in exceptional circumstances may the Executive Dean or their delegated authority grant exemption from an exit-level or a semester core module that has been passed at another institution or in another programme.

As per the HEQSF, a maximum of 50% of the credits of a completed qualification may be transferred to another qualification, provided that no more than 50% of the credits required for the other qualification are credits that have been used for a completed qualification.

Students may not register simultaneously for (a) two programmes at the University, or (b) for a programme or module at another university, concurrently with their registration at the University without prior written consent of the Executive Dean of the relevant faculty, in consultation with the Registrar, and the relevant authority of the other university. (AR5.1.18).

HS *v* RECOGNITION OF PRIOR LEARNING:

The Faculty of Health Sciences follows the University policy on the Recognition of Prior Learning. This policy is available on the University of Johannesburg website (www.uj.ac.za/admission-aid/recognition-of-prior-learning/).

HS vi ASSESSMENT:

Assessment in all programmes takes place in accordance with the University policy on assessment. This policy is available on the University of Johannesburg website (www.uj.ac.za/wp-content/uploads/2023/04/assessment-policy.pdf). The criteria for assessment in all modules are available in learner guides.

HS vii DISTINCTION CRITERIA

Obtaining a qualification (AR11.6)

Students obtain a qualification if they have passed every module prescribed for a programme and have successfully completed service or work-integrated learning, where applicable. It is the student's responsibility to ensure all prescribed modules, service or work-integrated learning are completed.

A qualification is awarded or conferred with distinction if the requirements stipulated in **AR11.6.4** (a) to (d) are met as applicable to the particular qualification.

No rounding (up or down) should be done during the calculation process. The rounding of marks should only be done once all calculations are finalised in accordance with decisions made by the Faculty Assessment Committee or similar.

(a) Undergraduate qualifications (Contact)

The qualification must be completed within the minimum duration as indicated in **AR 10 Table 3**, unless the Executive Dean has approved a longer duration of study for legitimate reasons.

- (i) Students must achieve a weighted and/or proportional calculated average final mark of at least 75% as determined by the Faculty Board, approved by Senate and contained in the Faculty Rules and Regulations. The weighting of the individual modules must be in line with the proportional value of the NQF credits of the module within the qualification.
- (ii) A student must obtain a minimum mark of 65% in every prescribed module at NQF Level 6 for diplomas, or NQF Level 7 for degrees, or NQF Level 8 for professional bachelor's degrees. Exceptions may be considered by the Executive Dean where the qualification resides.
- (iii) A student must never have failed a module in the relevant qualification.
- (iv) Students must have been registered for the full curriculum as prescribed for each academic year on a full-time or part-time basis.
- (v) If students have transferred from another higher education institution to UJ in a similar qualification, the same requirements as stated shall apply.
- (vi) If students change qualifications within UJ, only the modules related to the new qualification will be taken into consideration in calculating whether the qualification is obtained with distinction.
- (vii) In the case where there is work-integrated education involved; the work integrated module should not be used in the calculation if the module is not DHET funded.

(b) Advanced Diplomas, Postgraduate Diplomas and Honours Degrees (Contact)

- (i) The qualification must be completed within the minimum duration as indicated in Table 3, unless the Executive Dean has approved a longer duration of study for legitimate reasons.
- (ii) Students must achieve an average final mark for an advanced diploma, a postgraduate diploma or an honours degree of at least 75%. For the purposes of calculating the weighted average, the final marks for all the modules comprising the qualification must be in accordance with the NQF credit value allocated to the modules as determined by the Faculty Board, approved by Senate and contained in the Faculty Rules and Regulations.
- (iii) A student must obtain a minimum mark of 65% in every prescribed module at NQF Level 7 for advanced diplomas/BTechs, and at NQF Level 8 for postgraduate

- diplomas and honours degrees. Exceptions may be considered by the Executive Dean where the qualification resides.
- (iv) A student must never have failed a module in the relevant qualification.
- (v) Students must have been registered for the full curriculum as prescribed for each academic year on a full-time or part-time basis.
- (vi) If students have transferred from another higher education institution to UJ in a similar qualification, the same requirements as stated shall apply.
- (vii) If students change qualifications within UJ, only the modules related to the new qualification will be taken into consideration in calculating whether the qualification is obtained with distinction.

(c) Master's Degrees

- (i) Students for a research master's qualification must achieve a final mark of at least 75% for the dissertation.
- (ii) Students for a coursework master's qualification must achieve a final average mark of at least 75%. This is calculated by weighting the average final marks for all the coursework modules and the final mark for the minor dissertation/research report in accordance with the credit values allocated to all the coursework modules and the minor dissertation, respectively. For example, if the credit value of the minor dissertation represents 40% of the total credit value of the qualification, the average final mark for the qualification will be weighted in the proportion of 40% for the minor dissertation and 60% for all the coursework modules.
- (iii) If students have transferred from another higher education institution to UJ in a similar qualification, the same requirements as stated shall apply.
- (iv) If students change qualifications within UJ, only the modules related to the new qualification will be taken into consideration in calculating whether the qualification is obtained with distinction.

(d) **Distance (Fully Online) programmes**

- (i) Undergraduate qualifications must be completed within the maximum duration as indicated in Table 3, in Column F.
- (c) An advanced diploma, a postgraduate diploma or an honours degree must be completed within the maximum duration as indicated in Table 3, in Column F.
- (d) The average final mark for the qualification will be calculated according to the type of qualification such as undergraduate or postgraduate.
- (iv) Apart from coursework master's, students must obtain a minimum mark of 65% in every prescribed module at the relevant NQF level for the specific qualification type.
- (i) Apart from coursework master's, students must never have failed a module as a first attempt in the relevant qualifications.
- (ii) Students must have been registered for the full curriculum as prescribed for each academic year.
- (vii) If students have transferred from another higher education institution to UJ in a similar qualification, the same requirements as stated shall apply.
- (viii) If students change qualifications within UJ, only the modules related to the new qualification will be taken into consideration in calculating whether the qualification is obtained with distinction.

HS viii EXPOSURE TO INFECTIOUS AGENTS

In terms of the UJ policy adopted regarding students who are exposed to infectious agents, students who will interact with live patients in a clinical or related environment within the Faculty of Health Sciences are required to be vaccinated against Hepatitis B due to the risk of exposure. During orientation and or at the first contact session every student who will interact with live patients in a clinical or related environment will be issued with a letter which will inform them about the importance of immunization against Hepatitis B as well as the fact that it is mandatory to be vaccinated. Students are to sign for receipt for the letter and a copy will be held on their student file.

At the start of the second term students would need to sign a document stating that they have previously been exposed or received/commenced these vaccinations. By virtue of the signature on that document students confirm that they have been previously exposed/vaccinated/commenced vaccination against Hepatitis B and that they understand that false declaration constitutes fraud and that they may face disciplinary actions and medical consequences that may arise from a false declaration.

Potentially exposed students who have not started with or been exposed / vaccinated against Hepatitis B when commencing their studies in the Faculty of Health Sciences may have it done at the Primary Health Services situated on the various campuses. Vaccinations need to commence within the first month after registration. Please note that all the costs for these vaccinations are to be paid for by the student. Students may visit the Centre for Student Health and Wellness (Primary Health Care clinic) on campus to establish the cost of the vaccinations and the procedure that needs to be followed. These vaccinations may also be done at any other registered medical provider which offers this service. In some instances, medical aid may cover the cost. Hepatitis B injections commence and are then repeated 1 month and 6 months later. Blood tests would need to be done 1 month afterthe last injection to establish whether the body had developed sufficient immunity against Hepatitis B. If not, booster dosages would need to be administered and the blood tests repeated. These blood tests would need to be done by a private laboratory at the cost of the student. Students who were previously exposed or received the vaccinations, would also need to determine with a blood test whether sufficient immunity has been developed against the disease.

It is strongly recommended that students who work with patients be examined for Tuberculosis before commencement of their studies and also be vaccinated against Hepatitis A, Tetanus, Meningitis, Varicella, Mumps, Measles, Rubella (if not exposed or vaccinated to these diseases before) and annually for influenza.

The University will not be held liable for any consequences resulting from an accidental exposure to any of the above infectious agents by the student.

The University has insurance with Marsh for accidental exposure to HIV due to work integrated learning.

Everybody on a UJ campus, including students, have to comply with the regulations and safety measures of UJ.

HS IX AFRICAN INSIGHTS / ARTIFICIAL INTELLIGENCE IN THE 4IR

It is compulsory that undergraduate students complete one of the below online modules:

- 1. African Insights introduces students to the intellectual traditions and debates in Africa. This module is for all undergraduate students of the Faculty or College. Upon completing the module, a students' academic record will reflect the successful completion of the module. These credits do not count towards the completion of a qualification. This is a fully online module that is offered over thirteen weeks. All student support will take place online.
- 2. Artificial Intelligence (AI) in the 4IR introduces undergraduate students to the applications and implications of the AI in the society, and the future of work in the Fourth Industrial Revolution (4IR). This module is for all undergraduate students of the Faculty or College. Upon completing the module, a students' academic record will reflect the successful completion of the module. These credits do not count towards the completion of a qualification. This is a fully online module that is offered over thirteen weeks. All student support will take place online.

HS x ACADEMIC STAFF:

DEAN'S OFFICE:

John Orr Building, 7th Floor, South-West Wing

Executive Dean:

Prof A Temane

Tel: 011 559-6224 anniet@uj.ac.za

Vice Dean: Teaching and Learning

Prof C Vincent-Lambert

Tel: 011 559-6257 clambert@uj.ac.za

Vice Dean: Research Innovation and Global Engagement

Prof C Yelverton

Tel: 011 559-6218 chrisy@uj.ac.za

Secretary to the Executive Dean / Vice Deans:

Ms P Motshoene

Tel: 011 559-6225 pmotshoene@uj.ac.za

DEPARTMENT OF BIOMEDICAL SCIENCES:

John Orr Building, 6th Floor, South-East Wing

HOD: Ms J Mthombeni, NDip (CPUT), Dip APT (UK), BTech Biomedical Technology (VUT),

Masters in Public Health (WITS) Tel: 011 559-6263 julianm@uj.ac.za

Secretary to the HOD: Ms B Mabece Tel: 011 559-6291 bokangm@ui.ac.za

Ms K Bhowan, NDip (TWR), BTech, Biomedical Technology (TWR), MSc Med (WITS)

Ms W Kruger, NDip (VUT), BTech (TUT), MTech Biomedical Technology (UJ)

Dr S Mieta, NDip (UJ), BTech (UJ), MTech (UJ), DTech Biomedical Technology (UJ)

Mr B Roets, NDip (UJ), BTech (UJ), MTech Biomedical Technology (UJ)

Ms L Toona, NDip (CPUT), BTech Biomedical Technology (UJ)

Ms C Mbuyu, NDip (UJ), BTech Biomedical Technology (UJ)

Mr M Sibiya, NDip (TWR), BTech Biomedical Technology (TWR)

DEPARTMENT OF CHIROPRACTIC:

John Orr Building, 7th Floor, North-West Wing

HOD: Dr F Ismail, MTech Chiropractic (UJ)

Tel: 011 559-6936 fismail@uj.ac.za

Secretary to the HOD: Ms P Mongane Tel: 011 559-6218 pmongane@uj.ac.za

Prof C Yelverton, MTech Chiropractic (TWR), PhD (WITS), ICSSD

Dr C Hav. MTech Chiropractic (TWR)

Dr S Naidoo, MTech Chiropractic (UJ)

Dr G Paton, MTech Chiropractic (UJ), ICSC (FICS), PhD (UCT)

Dr C Pyper, MTech Chiropractic (UJ)

Chiropractic Clinic - Tel: 011 559-6493

DEPARTMENT OF COMPLEMENTARY MEDICINE:

John Orr Building, 7th Floor, North-West Wing

HOD: Dr T Tsele-Tebakang, MTech (UJ), DTech (UJ)

Tel: 011 559-6273 ttsele-tebakang@uj.ac.za

Secretary to the HOD: Ms L Mofokeng Tel: 011 559-9106 lmofokeng@uj.ac.za

Dr NT Gower, MTech (UJ), CML (UNISA)
Dr Z Hu, Masters Int Med of TCM (Fujian University TCM), PhD (UP)
Dr R Patel, MTech (UJ)
Prof R Razlog, MTech, BMDP (TWR), PhD (UJ)
Dr C Kruger, DTech (UJ)
Dr M Delpaul, MTech (UJ)

Complementary Medicine Dispensary - Tel: 011 559 6497

DEPARTMENT OF EMERGENCY MEDICAL CARE:

John Orr Building, 7th Floor, South-West Wing

Acting HOD: Prof C Stein, NDip, BTech (TWR), BSc Hons (UNISA), MSc Med (WITS), PhD (UCT) Tel: 011 559-6564 cstein@ui.ac.za

Secretary to the HOD: Mrs A Madigoe Tel: 011 559-6246 angelinem@uj.ac.za

Administrative Assistant:

Vacant

Prof C Vincent-Lambert, NDip, NHD, BTech (TWR), NHD (FST) (Pretoria), MTech Ed (UJ), PhD HPE (UFS)
Mr C Hartnady, NDip, BTech (UJ), MEMC (UJ)
Prof K Henrico, NDip, BTech (TUT), MTech (UJ), PhD HPE (UFS)

Sr M Molabe, NDip (PHC), BCur (UP), MCur (UJ) Mr A Senekal, BSc (PU for CHE), NDip (TWR), BTech (UJ), MEMC (UJ)

Mrs H Slabber, BTech (UJ), MPhil (UCT)

Mr B Van Nugteren, NDip (TWR), BTech (UJ), MSc Med (WITS)

Mr B Van Tonder, NDip (TWR), BTech (UJ), MEMC (CPUT)

Mr M Hokee, BHS EMC (UJ)

Sr N Hadebe, MCur (TUT)

Mr I Mabina, BHS EMC (UJ)

DEPARTMENT OF ENVIRONMENTAL HEALTH:

John Orr Building, 7th Floor, South-West Wing

HOD: Prof TP Mbonane, NDip (UJ), BTech (UJ), MTech (UJ), DTech (UJ)Tel. 011 559-6240 tmbonane@uj.ac.za

Secretary to the HOD:

Vacant

Dr S Bidassey-Manilal, NDip (DUT), BTech (TUT), MTech (TUT) Dr BT Mangunga, BSC (UFS), BTech (CUT), MTech (CUT), PhD (CUT) Dr MC Mokoatle, NDip (TWR), BTech (UJ), MTech (UJ) Prof PC Rathebe, NDip (CUT), BTech (CUT), MHSC (CUT), PhD (CUT) Dr MF Senekane, NDPUH (Pen Tech), NHDPUH (Pen Tech), B Admin (UFS), MPA (UFS), PhD (UJ)

Prof T Singh, Bsc (WITS), BscHon (WITS), Msc (Med) (WITS), PhD (WITS)

Dr HB Taderera, BSc Hons (UZ), MSc (UZ), MMed (UP), PhD (UP)

Ms R van Wyk, NDip (Pentech), BTech Env Health (Pentech), BTech Public Management (Pentech), MTech (CPUT)

DEPARTMENT OF HUMAN ANATOMY AND PHYSIOLOGY:

John Orr Building, 2nd Floor, South-West Wing

HOD: Prof P Nkomozepi, BSc Hons (UZ), MSc (UZ), PhD (WITS)

Tel: 011 559-6722 pilanin@uj.ac.za

Secretary to the HOD: Mrs R Barlow Tel: 011 559-6255 rakheeb@uj.ac.za

Dr E Bruwer, BSc (RAU), BSc Hons (RAU), MSc (RAU), PhD (RAU)

Dr J P Coimbra, BSc Hons (UFPE); MSc (UFPA); PhD (UWA)

Ms P de Lange-Jacobs, BSc (US), BSc Hons (US), MSc (US)

Dr T Fasemore, BSc (WITS), BHSc Hons (WITS), BA Hons (UNISA), MSc Med (WITS), PhD (WITS)

Dr S Ishwarkumar, BMedSci (UKZN), BMedSci Hons (UKZN), MMedSci (UKZN), PhD (UKZN)

Dr N Jooste, BSc (UP), BSc Hons (UP), MSc (UP), PhD (WITS)

Mr AH Jalal, BA (UJ), BA Hons (UJ), MPhil (UJ)

Mr T Juwele, BSc (WSU), BSc Hons (WSU), MHSc (UJ)

Ms P Koma, BSc (WITS), BSc Hons (MEDUNSA), MSc MedSci (UP)

Ms M Mothae, BSc (UJ), BSc Hons (NWU), MSc (NWU)

Prof S Nalla, BSc (WITS), BSc Hons (WITS), Certificate ELLD (UJ), PhD (WITS)

Mr I Patel, BSc (UCT), BSc (Med) Hons (UCT), BSc (Hons) Psych (UNISA), MSc (Med) (WITS)

Dr A Shaikh-Kader, BSc (WITS), BSc Hons (WITS), MSc Med (WITS), DTech (UJ)

DEPARTMENT OF MEDICAL IMAGING AND RADIATION SCIENCES (MIRS):

John Orr Building, 6th Floor, South-West Wing

HOD: Dr L Hazell, DCR (UK), BTech (UJ), BA (UNISA), MTech (UJ), DTech (UJ)

Tel: 011 559-6066 lynneh@uj.ac.za

Secretary to the HOD: Ms P Sibiya Tel: 011 559-6351 philas@uj.ac.za

Diagnostic Radiography:

Dr L Hazell, DCR (UK), BTech (UJ), BA (UNISA), MTech (UJ), DTech (UJ)

Dr L Gumede, NDip (TWR), BTech (UJ), MHS (DUT), PhD (DUT)

Dr S Lewis, NDip (TN), BTech (DUT), MBA (RBS), MTech (UJ), PhD (UJ)

Ms L Vermeulen, NDip (CPUT, BTech (CPUT), MSc (CPUT)

Ms N Badriparsad, NDip (UJ), BTech (UJ). MTech (UJ)

Ms RM Pillay, NDip (DUT), BTech (DUT), MSc (CPUT)

Ms A Gani, NDip (UJ), BTech (UJ), MTech (UJ)

Nuclear Medicine Technology:

Ms C Kammies, NDip (CPUT), BTech (CPUT), PGDip T&L Higher Education (CPUT), MPhil (SU)

Ms LC Manzana, NDip (TWR), BTech (TWR), MTech (UJ)

Radiation Therapy:

Ms F Bhyat, NDip (TWR), NHD (TWR), MTech (UJ) Ms L Mokoena, B Rad (MEDUNSA), BTech (TWR), MTech (UJ) Ms PN Ramashia, NDip (UJ), BTech (UJ), MTech (UJ)

Ultrasound:

Dr Y Casmod, NDip (TWR), BTech (UJ), MTech (UJ), PhD (WITS) Ms A Hajat, NDip (UJ), BTech (UJ), MTech (UJ) Ms TB Mahloala, B Rad (MEDUNSA), B Tech (UJ), MTech (UJ)

DEPARTMENT OF NURSING:

John Orr Building, 6th Floor, North-West Wing

HOD: Prof R Ngunyulu, PhD (UP), MCur CN (UP), MCur Mid (UP), BCur I et A (UP), RN, RPN, RCN, RM, RNA, RNE

Tel: 011 559-6922 roinahn@uj.ac.za

Secretary to the HOD: Ms P Bergh Tel: 011 559-6991 porchiab@uj.ac.za

Administrative Assistant: Ms K Mogale Tel: 011 559-6995 kmogale@uj.ac.za

Professional Nursing Science: Nursing Management, Nursing Education; and Ethos and Professional Nursing Science Practice:

Prof A Makhene, DCur (UJ), MCur (UJ), BCur Ed et Admin (UJ), RN, RM, RCHN, RNE, RNA Dr EM Nkosi, MCur (UJ), BCur Ed et Admin (UJ), RN, RM; RCN

Dr SE Nene, MCur (UJ), BCur Ed et Admin (UJ), RN, RPHC, RNE, RNA, Dispensing Certificate

Mr ME Moeta, MCur (NMU), Hons (NMU), NE, RN, RM, RPN, RCN

Community Nursing Science: Primary Health Care: Diagnosis, Treatment and Care; Occupational Health Nursing:

Dr Z Janse v Rensburg, DTech (TUT), MTech (TUT), BTech (TUT), RN, RCN, RM, RPN, RNE (UP), RNA (UP)

Ms E Mutava, MSc Nursing (WITS), BSc Hons Nursing Science (UZ), RN, ROHN, RNE Mrs A Sunnasy, MCur (UJ) BCur (UJ) RPHC, RN, RM, RCN, RPN, RNA, RHTC Mrs S, Ngomane, MCur,(UP), BCur I et A (UP), RPHC, RN, RM, RCN, RPN, RNA, RNE

Medical and Surgical Nursing Science: Critical Care Nursing (General):

Prof G Ndawo, DCur (UJ), MCur (UJ), BCur Ed et Admin (UJ), RN, RM, RCN, RPN, RIN, RNE, RNA

Dr S Matlala, DCur (UJ), MCur (UJ), BCur Ed et Admin (UJ), RN, RM, RCN, RPN, RIN, RNE, RNA, Dispensing Certificate

Dr RM Rasesemola, MTech Nursing (TUT), BTech Nursing (TUT), Nursing Education (UP), RN, RM, RCN, RPN, RNE

Dr L Matshaka, MCur (UJ), BCur (UJ), RN, RM, RCN, RPN

Midwifery and Neonatal Nursing Science:

Prof R Ngunyulu, PhD (UP), MCur CN (UP), MCur Mid (UP), BCur I et A (UP), RNA, RNE, RN, RPN, RCN, RM,

Psychiatric and Mental Health Nursing Science:

Prof MA Temane, DCur (UJ), MCur (RAU), BNSc (UNIBO), RN, RM, RCN, RPN Prof N Ndlovu, DCur (UJ), MCur (UJ), Advanced Psych, B. Nursing (WITS), RN, RM, RCN, RPN, Psych

Research Methodology:

Prof C Downing, DCur (UJ), MCur (US), BA Cur (Hons) (UNISA), BA Cur (UNISA), RN, RCN, RM, RPN, RNE, RNA

Dr W Jacobs, DCur (UJ), MCur (RAU), BCur (RAU), RN, RCN, RM, RPN, RNE, RNA

DEPARTMENT OF OPTOMETRY:

Kubona Building

HOD: Prof N Hasrod, BOptom (UJ), MPhil (UJ), DPhil

(UJ)Tel. 011 559-9014 nabeelah@uj.ac.za

Secretary to the HOD: Ms E Nel Tel: 011 559-6827 emiln@uj.ac.za

Mr S Buthelezi, BOptom (UKZN), MPhil HPE (US)

Dr E Chetty, BOptom (UJ), MPhil (UJ), DPhil (UJ), FBCLA, FIACLE

Dr A de la Rey, BOptom (RAU), MPhil (UJ), PhD HPE (UFS), CAS VSPH (NECO), CAS BSCM, (NECO) CAS ODPA (UKZN, TWR) CAS TPA (GIO)

Dr T Evans, BOptom (RAU), BCom Informatics (UNISA), MPhil (UJ), DPhil (UJ), CAS ODPA (NECO)

Ms L Landela, BOptom (RAU), MPH (UL), PG Dip HE (UCT), Cert Diag (UJ)

Prof IT Metsing, BOptom (UNIN), MPhil (UJ), DPhil (UJ), CAS ODPA (NECO)

Dr SM Richter, BOptom (RAU), MPhil (RAU), MCom (UJ), DPhil (UJ), FAAO, CAS ODPA (NECO), CAS VSPH (NECO) CAS Neuro, (NECO)

Ms A Suliman, BOptom (RAU) MPhil (UJ)

Ms P von Poser, DipOptom SA (TWR), MPhil (UJ), CAS ODPA (NECO) SA

Optometry Reception – Tel: 011 559-6074/6766

DEPARTMENT OF PODIATRY:

John Orr Building, 7th Floor, North-West Wing

HOD: Dr S Ntuli, NHD (TWR), PDM HIV/AIDS (Stellenbosch University), Certificate ELLD (UJ), MTech (UJ), PhD (UJ)

Tel: 011 559-6910 sntuli@uj.ac.za

Secretary to the HOD: Ms P Sigauke Tel: 011 559-6065 priscas@uj.ac.za

Ms G Jenkins, NHD (TWR), MTech (UJ) Ms M Moothee, BTech (UJ), MTech (UJ)

Mr B Jele, BTech (UJ), MHSc (UJ)

Ms Z Maseko BTech (UJ)

Ms Y Choonara, BTech (UJ), MHSc (UJ)

Podiatry Clinic – Tel: 011 559-6167

DEPARTMENT OF SPORT AND MOVEMENT STUDIES:

John Orr Building, 5th Floor, South-West Wing

HOD: Dr L Smith, BSc (UJ), BSc Hons (UJ), MPhil (UJ), DPhil (UJ)

Tel: 011 559 6967 lynnvr@uj.ac.za

Secretary to the HOD: Ms L Padayachee

Tel: 011 559-6948 lynnp@uj.ac.za

Prof H Morris-Eyton, B. Physical Education (WITS), B Ed Hons, M Ed (WITS), DPhil (UJ) Prof A Green, BSc (WITS), BSc Hons (WITS), MSc (WITS), PhD (WITS)

Dr N Janse van Rensburg, BCom (NWU), BA Hons (NWU), MA (NWU), MBA (NWU), PhD (NWU)

Mr DP Kwong, BSc (UJ), BSc Hons (UJ), MPhil (UJ)

Prof L Lategan, BSc (US), B Hons (US), MA (UP), DPhil (UP)

Prof H Noorbhai, BA (UJ), BSpSc Hons (UKZN), MPhil (UCT), PhD (UCT)

Dr S Ferreira, BA (UP), BA Hons (UP), MPhil (UJ), PhD (UJ)

Mr C Swanepoel, BEd (UJ), BA (UJ), BA Hons (UJ), MPhil (UJ)

Ms CA Volkwyn, BSc (UJ), BSc Hons (UJ), MPhil (UJ)

Ms T Mbatha, BHSc (NWU), BCom Hons (UJ), MPhil (UJ)

Mr L Magina, BTech (TUT)

Biokinetics Clinic – Tel: 011 559-1298 (APB) and 011 559-6583 (DFC)

HEALTH TRAINING CENTRE:

Health Clinic, Room 159, DFC

Manager: Dr P Els, B MedSci, MBChB (UP)

Tel: 011 559-6089 pels@uj.ac.za

WATER AND HEALTH RESEARCH CENTRE:

John Orr Building, 2nd Floor, North-West Wing

Director: Prof TG Barnard, BSc, BSc Hons, MSc, PhD (UFS)

Tel: 011 559-6342 tgbarnard@uj.ac.za

Researcher: Dr A Singh, BSc, BSc Hons, MSc, PhD (UKZN)

Tel: 011 559-9077 asingh@uj.ac.za

LASER RESEARCH CENTRE:

John Orr Building, 5th Floor, South-West Wing

NRF DST SARChl Chair / Director: Prof H Abrahamse, BSc (RAU) BSc Hons (US) BSc Hons

(UNISA) MSc (US) PhD (WITS)

Tel: 011 559-6550 habrahamse@uj.ac.za

Secretary to the Director: Ms C Fernandez

Tel: 011 559-6155 cfernandez@uj.ac.za

DEPUTY SARCHI Chair: Prof NN Houreld, NDip, BTech (TWR), MTech (TWR), DTech (UJ)

Tel: 011 559-6833 nhoureld@uj.ac.za

Researcher: Prof B George

Tel: 011 559-6926 blassang@uj.ac.za

BIOMEDICAL ENGINEERING AND HEALTHCARE TECHNOLOGY (BEAHT) RESEARCH CENTRE:

John Orr Building, 6th Floor, Office 6400

Director: Prof H Noorbhai, BA (UJ), BSpSc (Hons) (UKZN), MPhil (UCT), Ph.D. (UCT)

Tel: 011 559-6602 habibn@uj.ac.za

OLYMPIC STUDIES CENTRE:

Director:

Vacant

Administrator:

Vacant

SAMRC/UJ PAN AFRICAN CENTRE FOR EPIDEMICS RESEARCH (PACER) EXTRAMURAL UNIT:

Block J, Auckland Park, Bunting Road Campus

Co-Director: Prof E Marinda, BSc Honours Statistics (UNZIM), MSc Statistics (UNIZIM), MSc

Medical Statistics (University of Newcastle), PhD Biostatistics (Wits)

Email: edmorem@uj.ac.za

Research Manager: Dr E. Phalane, BSc (UL), BSc Hons (UL), MSc (NWU), PhD (NWU)

Tel: 011 559-1496 edithp@uj.ac.za

Administrator: Ms S Ramalepe

Tel: 011 559-1496 senelor@uj.ac.za

MARKETING COORDINATOR:

John Orr Building, 6th Floor, South-West Wing

Ms K Ganpath

Tel: 011 559-9256 karishmag@uj.ac.za

SHORT LEARNING PROGRAMME AND CONTINUING PROFESSIONAL DEVELOPMENT OFFICE:

John Orr Building, 6th Floor, North-West Wing

Manager:

Ms D Guilò

Tel: 011 559-6235 deidres@uj.ac.za

Administrative Assistant:

Mr M Nzuza 011 559-6075 mduduzin@uj.ac.za

HS xi FACULTY ADMINISTRATIVE STAFF:

John Orr Building, 5th Floor, Room 5108, North-West Wing,

Head of Faculty Administration:

Ms B Vilakazi Tel: 011 559-6234 bathabilev@uj.ac.za

Administrative Assistant:

Ms T Ngobeni 011 559-6925 thobekan@uj.ac.za

Senior Faculty Officers:

Ms D Makola 011 559-6706 debbiem@uj.ac.za

Ms R Pieterse-McKay 011 559-6073 rpieterse@uj.ac.za

Ms DD Dire 011 559-6050 ddire@uj.ac.za

Faculty Officers:

Ms MK Lephadi 011 559-6223 klephadi@uj.ac.za

Ms P Masala 011 559-6707 pansym@uj.ac.za

Ms G Mahlangu 011 559-9210 gugulakhen@uj.ac.za

Ms T Ngwenya-Folaranmi 011 559-6037 tngwenya@uj.ac.za

Ms E Van Der Berg 011 559-6704 evanderberg@uj.ac.za

Mr LW Dlomo 011 559-6705 lwazid@uj.ac.za

B FACULTY REGULATIONS

These regulations should be read in conjunction with the Academic Regulations of the University of Johannesburg.

HS1.0 DEPARTMENT OF BIOMEDICAL SCIENCES

HS1.1 BACHELOR OF HEALTH SCIENCES IN MEDICAL LABORATORY SCIENCES (B9B01Q)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

HS1.1.1 Purpose

The purpose of the Bachelor of Health Sciences in the Medical Laboratory Sciences programme is to produce competent graduates to apply theoretical and practical fundamental knowledge and skills in the fields of medical science and research. The programme provides extensive theoretical knowledge and practical training about various related modules and experiential training. The outcome of these combined offerings results in the achievement of the purpose of the qualification as stipulated in the curricula. This qualification leads to registration with the Health Professions Council of South Africa as a Medical Laboratory Scientist.

HS1.1.2 Outcomes

- Laboratory operations in clinical diagnostic laboratories and related fields are performed in compliance with statutory requirements for ethics, safety and quality assurance and with accuracy and precision. Specified laboratory equipment is maintained and used according to SOPs.
- Laboratory results are interpreted correctly and integration of laboratory tests with pathophysiological conditions (Pathology) in a specific field of specialisation in accordance with statutory and operations requirements is achieved.
- 3. Supervisory, management and research skills are developed.
- 4. Critical evaluation of current and new trends in technology to improve practices and to solve problems in a variety of contexts is developed.
- 5. Evaluation of new information, concepts and evidence from a range of sources and the academic skills, values and attributes necessary to undertake independent research in the field of Medical Laboratory Sciences, in compliance with legislated and ethical research principles are acquired.
- 6. Management and entrepreneurial skills in the context of Medical Laboratory Sciences are applied.
- 7. Work behaviour is satisfactory with regard to time-keeping, following instructions, professional behaviour etc.

HS1.1.3 Rules of access and admission requirements

A Senior Certificate with Matriculation exemption, or an equivalent qualification at an equivalent standard as determined by a Status Committee, with the following compulsory subjects:

- 1. Biology with at least a Higher Grade C or Standard Grade B symbol.
- 2. Physical Science with at least a Higher Grade D or Standard Grade C symbol.
- 3. Mathematics with at least a Higher Grade D or Standard Grade C symbol.
- 4. English with at least a Higher Grade C or Standard Grade B symbol.

A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

| (Exclude Lif | e Orientatio | n when calc | culating APS | 5) | r |
|----------------|--|-------------|--------------------------|----------------------|---------------|
| Minimum APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences |
| 30 | 5 | 4 | Not accepted | 4 | 5 |

Selection criteria

Selection is based on academic merit, and an interview (if required).

HS1.1.4 Pass requirements

- 1. Students are promoted to a subsequent semester of study if they have met the prerequisites.
- 2. Students retain credit for all modules passed.
- 3. Students may not register for module combinations that lead to timetable or examination clashes.
- 4. Students may not do Integrative Medical Laboratory Sciences III (Work Integrated Learning) until they have passed all first semester 3rd year modules.
- 5. Students are promoted to the second semester if they have passed at least 2 of the prescribed modules.
- 6. Students must pass at least 60% of the 1st year modules, including HAPDBY1 in order to qualify for readmission.

HS1.1.5 Curriculum

| First year | | | | | | |
|--|-------------|-------------------|--|--|--|--|
| Module name | Module code | Prerequisite code | | | | |
| Semester one | | | | | | |
| Statistical Methods 1A | SMT01A1 | | | | | |
| Communication for Medical Laboratory Sciences 1A | CMLSBA1 | | | | | |
| Introduction to Medical Laboratory Sciences 1A | IMLSBA1 | | | | | |
| Computing Literacy | CSL01A1 | | | | | |
| Chemistry 1A | CEMH1A1 | | | | | |
| Semester two | | | | | | |
| Cell Biology 1 | CLBHBB1 | | | | | |
| Physics 1B | PHYH1B1 | | | | | |

| Introduction to Medical Laboratory Sciences 1B | IMLSBB1 | |
|---|-------------|---|
| Immunology 1 | IMMHBB1 | |
| Year modules | | |
| Human Anatomy, Physiology and Disease 1 | HAPDBY1 | |
| Second year | · | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Clinical Chemistry 2A | CLCHBA2 | CLBHBB1 HAPDBY1 |
| Haematology 2A | HAEHBA2 | HAPDBY1 |
| Histopathology 2 | HTPHBA2 | HAPDBY1 |
| Medical Microbiology 2A | MDMHBA2 | HAPDBY1 |
| Immunohaematology 2 | IMHHBA2 | IMMHBB1 HAPDBY1 |
| Semester two | | |
| Clinical Chemistry 2B | CLCHBB2 | CLCHBA2 |
| Cytogenetics 2 | CTGHBB2 | HAPDBY1 |
| Cytopathology 2 | СТРНВВ2 | HAPDBY1 |
| Haematology 2B | HAEHBB2 | HAEHBA2 |
| Medical Microbiology 2B | MDMHBB2 | MDMHBA2 |
| Third year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Clinical Chemistry 3 | CLCHBA3 | CLCHBB2 |
| Cytopathology 3 | СТРНВА3 | СТРНВВ2 |
| Haematology 3 | НАЕНВА3 | HAEHBB2 |
| Integrative Medical Laboratory Sciences IIIA (Clinical Practice Theory) | IMLHBA3 | CLCHBB2 CTGHBB2 CTPHBB2 HAEHBB2 MDMHBB2 |

| Medical Microbiology 3 | MDMHBA3 | MDMHBB2 |
|---|-------------|---|
| (Virology, Mycology, Parasitology) | | |
| Semester two | 1 | |
| Integrative Medical Laboratory Sciences IIIB (Clinical Practice) | IMLHBB3 | IMLHBA3 CLCHBA3 CTPHBA3 HAEHBA3 MDMHBA3 |
| Research Methods 3 | RSMHBB3 | |
| Fourth year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Laboratory Management 4 | LBMHBA4 | IMLHBB3 |
| Year Modules | | |
| Research Project IV (Mini Dissertation in the field of Specialisation) | RSPHBY4 | IMLHBB3 RSMHBB3 |
| Choose one of the following elective module | es: | |
| Clinical Chemistry 4 | CLCHBY4 | CLCHBA3 IMLHBB3 |
| OR | | |
| Clinical Pathology 4 | CNPHBY4 | CLCHBA3 HAEHBA3 MDMHBA3 IMLHBB3 |
| OR | | |
| Cytogenetics 4 | CYTGBY4 | CTPHBA3 IMLHBB3 |
| OR | | |
| Cytopathology 4 | СТРНВҮ4 | CTPHBA3 IMLHBB3 |
| OR | | |
| Forensic Sciences 4 | FRSHBY4 | IMLHBB3 CLCHBA3 CTPHBA3 HAEHBA3 MDMHBA3 |
| OR | | |
| | | |

| HAEHBY4 | HAEHBA3 IMLHBB3 | | | | | | |
|---------|------------------------------------|--|--|--|--|--|--|
| OR | | | | | | | |
| HTPHBY4 | HTPHBA2 IMLHBB3 | | | | | | |
| | | | | | | | |
| IMHHBY4 | IMHHBA2 IMLHBB3 | | | | | | |
| | | | | | | | |
| IMMHBY4 | IMHHBA2 IMLHBB3 | | | | | | |
| | | | | | | | |
| MDMHBY4 | MDMHBA3 IMLHBB3 | | | | | | |
| | | | | | | | |
| РНМНВҮ4 | CLCHBA3 IMLHBB3 | | | | | | |
| | HTPHBY4 IMHHBY4 IMMHBY4 MDMHBY4 | | | | | | |

HS1.2 MASTER OF HEALTH SCIENCES: BIOMEDICAL SCIENCES (M9BS1Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years NQF level 9, 180 Credits

Research dissertation 100%

HS1.2.1 Purpose

The purpose of the MHS in Biomedical Sciences is to produce graduates that are competent in conducting scientific research under minimal guidance in a chosen field, and to contribute to knowledge production in that field. The research problem, its justification, process, and outcome are to be reported in a dissertation which complies with the generally accepted norms for research at these levels.

HS1.2.2 Outcomes

Research is carried out under minimal guidance and a dissertation is successfully submitted.

HS1.2.3 Rules of access and admission requirements

A Bachelor of Health Science (BHS): Medical Laboratory Science (MLS) degree (NQF 8) or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

Selection Criteria

Selection is based on approval by the Department's Research Committee.

HS1.2.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS1.2.5 Curriculum

A research project and a dissertation: The research component is 100%.

| Module name | Module code | |
|--|-------------|--|
| Semester one | | |
| Research Project and Dissertation: Health Sciences (Biomedical Sciences) | DBS9XA1 | |
| Semester two | | |
| Research Project and Dissertation: Health Sciences (Biomedical Sciences) | DBS9XB1 | |

HS 1.3 PhD HEALTH SCIENCES: BIOMEDICAL SCIENCES(P9HS1Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years NQF level 10, 360 Credits

Research thesis 100%

HS 1.3.1 Purpose

The purpose of the PhD in Health Sciences: Biomedical Sciences is to produce graduates that are competent in conducting scientific research under minimal guidance in a chosen field, and to contribute to knowledge production in that field. The research problem, its justification, process, and outcome are to be reported in a dissertation that complies with the generally accepted norms for research at these levels.

HS 1.3.2 Outcomes

Research is carried out under minimal guidance and a thesis is successfully submitted.

HS 1.3.3 Rules of access and admission requirements

A Master's degree: Biomedical Technology/Sciences (NQF 9) or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

Selection Criteria

Selection is based on approval by the Faculty's Research Committee.

HS 1.3.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

• To publish a minimum of 2 papers before graduation

HS 1.3.5 Curriculum

A research thesis. The research component is 100%.

| Module name | Module code | |
|--|-------------|--|
| Semester one | | |
| Research Project and Thesis: Health Sciences (Biomedical Sciences) | RBM10X1 | |
| Semester two | | |
| Research Project and Thesis: Health Sciences (Biomedical Sciences) | RBM10X2 | |

HS2.0 <u>DEPARTMENT OF CHIROPRACTIC</u>

HS2.1 BACHELOR OF HEALTH SCIENCES IN CHIROPRACTIC (B9C01Q)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

Students start with a four-year degree. After the successful completion of the Professional Master's degree, you will be entitled to register with the Allied Health Professions Council of South Africa.

HS2.1.1 Purpose

The purpose of this curriculum is to give the student a thorough understanding and working knowledge of the structure and function of the human body in both health and disease and the fluctuations that lie between these poles.

Chiropractic programme aims to develop the emerging Chiropractor in light of the following:

- Primary contact practitioners.
- Specialist assessors of neuromusculoskeletal system.
- Specialists in the field of spinal and extremity manipulation.

HS2.1.2 Outcomes

On completion of this programme, the student will be able to:

ELO 1 Apply the relevant procedures and technologies in order to clinically assess, diagnose, treat and manage (including appropriate referral) of the patient in terms of normal and abnormal findings.

ELO 2 Apply the principles, proven techniques and specialized skills required for the promotion of musculoskeletal health and the prevention and rehabilitation of problems of the musculoskeletal system.

ELO 3 Demonstrate the application of pertinent knowledge of the biopsychosocial, biological, pharmacological and basic sciences in terms of chiropractic and community health.

ELO 4 Demonstrate appropriate communication skills for personal and professional development within a chiropractic context and apply the principles of medical ethics within a multi-cultural and international context.

ELO 5 Acquire knowledge of the entrepreneurial sciences and professional practices relevant to chiropractic.

ELO 6 Evaluate and interrogate multiple sources of literature as critical users and developers of research in the Chiropractic field, continue with lifelong learning and become a reflective practitioner.

HS2.1.3 Rules of access and admission requirements

The admission requirements for the BHS Chiropractic programme are as tabulated below:

A Senior Certificate with matriculation exemption, or an equivalent qualification at an equivalent standard as determined by a Status Committee, with the following:

Two of the following modules:

- 1. Mathematics with at least a Higher Grade D or Standard Grade C symbol.
- 2. Physical Science with at least Higher Grade D or Standard Grade C symbol.
- 3. Biology with at least Higher Grade D or Standard Grade C symbol.

A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

| Minimum APS APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences |
|-----------------------|--|-------------|--------------------------|----------------------|---------------|
| 26 | 5 | 4 | Not accepted | 4 | 4 |

Selection criteria

Selection is based on:

- 1. Applicants with Physical Sciences or Life Sciences will be considered, based on academic merit.
- 2. Complete an online questionnaire.
- 3. Letters of recommendation/observation from at least 2 practicing Doctors of Chiropractic.
- 4. A personal interview, if points 3 and 4 are successfully completed.

HS2.1.4 Pass requirements

- 1. Students are promoted:
 - a. To full second-year status if they have passed all the first-year modules.
 - b. To full third-year status if they have passed all the second-year modules.
 - c. To full fourth-year status if they have passed all third-year modules.
- 2. The pass mark for all clinical/practical modules is 60% from the third year of study.
- 3. In order to gain readmission to the programme, first year students must pass a

minimum of 60% of the first-year modules.

- 4. Students may enrol for a module in the following year, provided that:
 - a. They have passed the prerequisite module.
 - b. They have passed both the theory and practical final summative assessments in a module comprising a theory and a practical component.
- 5. Students retain credit for all modules passed.
- 6. Students must pass all components of the module(s) to obtain credit for the module(s).
- 7. Students may not register for module combinations that lead to timetable clashes.
- 8. 100% attendance of and participation in the practical and/or clinical components are compulsory. If students fail to comply with this requirement, they may fail the module and be required to repeat the full module.
- 9. If students fail any third or fourth year module(s), they must repeat all the practical/clinical modules of the respective year. The practical and theoretical components are assessed in an integrated manner and students will therefore be required to repeat and pass the module(s) in entirety, as indicated in the relevant learning guide. If students fail to comply with this requirement, they may not be promoted to the following year of study.
- 10. Students will be required to complete a stipulated clinical component (in line with any relevant Professional Board requirements) prior to conferment of degree.

HS2.1.5 Student registration with the Professional Council

Students must register with the Allied Health Professions Council of South Africa at the beginning of each year of registration, at which time a fee is payable. It is the students' responsibility to ensure they are registered from the second year of study. During the fourth year of study, students must successfully complete a First Aid course for which the Department will make provision. An additional levy will be charged. Students will subsequently be personally responsible for maintaining the validity of this course.

HS2.1.6 Curriculum

All modules are Continuous Evaluation modules.

| First year | | |
|--|-------------|-------------------|
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Physics of Health Sciences 1 | PHYCHA1 | |
| Semester Two | | |
| Sociology of Health and Health Care | SOHCHB1 | |
| Year modules | | |
| Anatomy and Physiology 1 | ANPCHY1 | |
| Biodiversity | BIODIY1 | |
| Chemistry 1 | CETCHY1 | |
| Chiropractic Principles and Practice 1 | CPPCHY1 | |

| Personal and Professional Development 1 | PPDCHY1 | |
|---|-------------|---|
| Second year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Medical Microbiology | MDMCHA2 | BIODIY1 |
| Year modules | | |
| Anatomy 2 | ANTCHY2 | ANPCHY1 |
| Chiropractic Principles and Practice 2 | CPPCHY2 | CPPCHY1 |
| Human Biochemistry and Disease 1 | HBDCHY2 | CETCHY1 |
| Personal and Professional Development 2 | PPDCHY2 | PPDCHY1 |
| Physiology 2 | PHYCHY2 | ANPCHY1 |
| Third year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Pharmacology | PHMCHA3 | HBDCHY2 |
| Semester two | | |
| Radiology 1 | RADCHB3 | ANTCHY2 |
| Year modules | | |
| Clinical Diagnostics 3 | CLDCHY3 | ANTCHY2 PHYCHY2 HBDCHY2 MDMCHA2 |
| Clinical Psychology | CLPCHY3 | SOHCHB1 |
| Chiropractic Principles and Practice 3 | СРРСНҮ3 | ANTCHY2 PHYCHY2 HBDCHY2 MDMCHA2 CPPCHY2 |
| Myofascial and Auxiliary Therapies 3 | MATCHY3 | ANTCHY2 PHYCHY2 HBDCHY2 MDMCHA2 PHYCHA1 |

| | | 1 |
|--|-------------|--|
| Pathology 3 | PATCHY3 | ANTCHY2 PHYCHY2 HBDCHY2 MDMCHA2 |
| Fourth year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Clinical and Applied Biomechanics 4 | CABCHA4 | CPPCHY3 MATCHY3 CLDCHY3 |
| Research Methodology 4 | REMCHA4 | СРРСНҮ3 |
| Semester two | | |
| Myofascial and Auxiliary Therapies 4 | MATCHB4 | CPPCHY3 MATCHY3 CLDCHY3 |
| Research Project 4 | REPCHB4 | REMCHA4 |
| Year modules | | |
| Clinical Chiropractic 4 | CLCCHY4 | CPPCHY3 MATCHY3 CLDCHY3 PATCHY3 PHMCHA3 RADCHB3 |
| Chiropractic Principles and Practice 4 | CPPCHY4 | CPPCHY3 MATCHY3 CLDCHY3 PATCHY3 PHMCHA3 RADCHB3 |
| Clinical Practice 4 | CPRCHY4 | CPPCHY3 MATCHY3 CLDCHY3 PATCHY3 PHMCHA3 RADCHB3 |
| Radiology 2 | RADCHY4 | CPPCHY3 MATCHY3 CLDCHY3 PATCHY3 PHMCHA3 RADCHB3 |

HS2.2 MASTER OF HEALTH SCIENCES IN CHIROPRACTIC (M9C01Q)

Duration of programme Full-time: 2 Years NQF Level 9. 180 Credits

Course work 70% and minor dissertation 30%

After the successful completion of the Professional Master of Health Sciences in Chiropractic degree you will be entitled to register with the Allied Health Professions Council of South Africa.

HS2.2.1 Purpose

The purpose of this curriculum is to give the student a thorough understanding and working knowledge of the structure and function of the human body in both health and disease and the fluctuations that lie between these poles.

The Chiropractic programme aims to develop the emerging Chiropractor as a:

- Primary contact practitioner.
- Specialist assessor of neuromusculoskeletal system.
- Specialist in the field of spinal and extremity manipulation.

HS2.2.2 Outcomes

On completion of this programme, the student will be able to:

ELO 1 Apply the relevant procedures and technologies in order to clinically assess, diagnose, treat and manage (including appropriate referral) of the patient in terms of normal and abnormal findings.

ELO 2 Apply the principles, proven techniques and specialized skills required for the promotion of musculoskeletal health and the prevention and rehabilitation of problems of the musculoskeletal system.

ELO 3 Demonstrate the application of pertinent knowledge of the biopsychosocial, biological, pharmacological and basic sciences in terms of chiropractic and community health.

ELO 4 Demonstrate appropriate communication skills for personal and professional development within a chiropractic context and apply the principles of medical ethics within a multi-cultural and international context.

ELO 5 Acquire knowledge of the entrepreneurial sciences and professional practices relevant to chiropractic.

ELO 6 Critically use and interrogate multiple sources of literature in order to develop and contribute towards research output in a Chiropractic related field and to continue with lifelong learning and become a reflective practitioner.

HS2.2.3 Rules of access and admission requirements

The minimum admission requirement is a Bachelor of Health Sciences in Chiropractic (BHSc Chiropractic). Applications from persons with an equivalent qualification will be considered by a constituted status committee in line with the University's & Faculty's regulations.

Selection criteria

None

HS2.2.4 Pass requirements

- 1. Students must pass all components of the module(s) to obtain credit for the module(s).
- 2. Students may not register for module combinations that lead to timetable clashes.
- 3. 100% attendance of and participation in the practical and/or clinical components are compulsory. If students fail to comply with this requirement, they may fail the module and be required to repeat the full module.
- 4. If students fail a module(s), they must repeat all the practical/clinical modules of the respective year. The practical and theoretical components are assessed in an integrated manner and students will therefore be required to repeat and pass the module(s) in entirety, as indicated in the relevant learning guide. If students fail to comply with this requirement, they may not graduate.
- 5. Students will be required to complete a stipulated clinical component (in line with any relevant Professional Board requirements) prior to conferment of degree.

HS2.2.5 Student registration with the Professional Council

- 1. Students must register with the Allied Health Professions Council of South Africa at the beginning of each year of registration, at which time a fee is payable. It is the students' responsibility to ensure they are registered.
- 2. After graduation, students must apply to the Council for registration as a Chiropractor.
- 3. Full registration will only be granted after completion of a period of Community Service / Internship as determined by the Allied Health Professions Council of South Africa.

HS2.2.6 Curriculum

A research project and a minor dissertation. The research component is 30%.

| First year | | |
|--|-------------|-------------------|
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Clinical and Applied Biomechanics 5 | CAB9XA1 | |
| Practice Management and Jurisprudence | PMJ9X01 | |
| Year modules | | |
| Clinical Chiropractic 5 | CHC9XY1 | |
| Chiropractic Clinical Practice 5A | CHP9XA1 | |
| Chiropractic Principles and Practice 5 | CPP9XY1 | |
| Myofascial and Auxiliary Therapies 5 | MAT9XA1 | |
| Research Project and Dissertation 5A | RPD9XA1 | |

| Second year | | |
|--------------------------------------|-------------|-------------------|
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Research Project and Dissertation 5B | RPD9XB2 | |
| Semester two | | |
| Research Project and Dissertation 5C | RPD9XC2 | |
| Year modules | | |
| Chiropractic Clinical Practice 5B | CHP9XB2 | |

HS2.3 PhD HEALTH SCIENCES: CHIROPRACTIC (P9HS2Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years

NQF level 10, 360 Credits Research thesis 100%

HS2.3.1 Purpose

The purpose of this programme is to provide the qualifying student with advanced analytical problem-solving and reflective competencies in the field of chiropractic, and to enable them to act as a leader within the chiropractic research field. This will be achieved by making an original contribution to the knowledge content of chiropractic through independent research.

HS2.3.2 Outcomes

On completion of this qualification the graduate will be competent to conduct, present/publish and supervise accredited research within the field of chiropractic, in order to advance professional development and provide health education to individuals and communities.

HS2.3.3 Rules of access and admission requirements

The minimum admission requirement is one of the following:

- Master of Health Sciences in Chiropractic
- Master of Technology: Chiropractic
- An Equivalent qualification in a relevant field at an NQF level 9. Applications from
 persons with an equivalent qualification will be considered by a constituted status
 committee in line with the University's & Faculty's regulations.

Selection criteria

Selection is based on approval of the student's research proposal by the Department's Research Committee and then the Faculty's Research and Ethics Committees.

HS2.3.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg

HS2.3.5 Curriculum

A research thesis. The research component is 100%.

| Module name | Module code |
|---|-------------|
| Semester one | |
| Research Project and Thesis: Health Sciences (Chiropractic) | RPC10X1 |
| Semester two | • |
| Research Project and Thesis: Health Sciences (Chiropractic) | RPC10X2 |

HS3.0 DEPARTMENT OF COMPLEMENTARY MEDICINE

HS3.1 BACHELOR OF HEALTH SCIENCES IN COMPLEMENTARY MEDICINE (B9CM1Q)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

HS3.1.1 Purpose

The purpose of this qualification is to provide the qualifying student with the necessary knowledge, skills and competencies required to successfully consult, treat pre-diagnosed patients and communicate holistic advice to patients. The graduate will be a team player capable of working in multidisciplinary teams to promote the profession.

HS3.1.2 Outcomes

On completion of this programme the graduate will be competent to practice as a Complementary Medicine (CM) healthcare therapist within the community. The graduate will be eligible to register with the Allied Health Professions Council of South Africa as an acupuncture therapist. The graduate will be able to conduct research within the field of CM in order to advance professional development and provide health education to individuals and communities.

HS3.1.3 Rules of access and admission requirements

A Senior Certificate with matriculation exemption, or an equivalent qualification at an equivalent standard as determined by a Status Committee, with the following:

Two of the following subjects:

- 1. Mathematics with at least a Higher Grade D or Standard Grade C symbol.
- 2. Physical Science with at least Higher Grade D or Standard Grade C symbol.
- 3. Biology with at least Higher Grade D or Standard Grade C symbol.

A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

Selection criteria

Selection is based on:

- 1. Applicants with either Life Sciences or Physical Sciences will be considered based academic merit.
- 2. Letters of recommendation from at least 2 practitioners of CM, or;
- 3. Letter of recommendation from 2 practitioners from the Health Training Centre, UJ.
- 4. Completion of an assignment.

HS3.1.4 Pass requirements

- 1. Students are promoted:
- a. To full second-year status if they have passed all the first-year modules.
- b. To full third-year status if they have passed all the second-year modules.
- c. To full fourth-year status if they have passed all the third-year modules.
- 2. The pass mark for all clinical/practical modules is 60% from the third year of study.
- 3. In order to gain readmission to the programme, first year students must pass a minimum of 60% of the first-year modules.
- 4. Students may enrol for a module in the following year, provided that:
 - a. They have passed the prerequisite module.
 - b. They have passed both the theory and practical final summative assessments in a module comprising a theory and a practical component.
- 5. Students retain credit for all modules passed.
- 6. Students must pass all components of the module(s) to obtain credit for the module(s).
- 7. Students may not register for module combinations that lead to timetable clashes.
- 8. 100% attendance of and participation in the practical and/or clinical components are compulsory. If students fail to comply with this requirement, they may fail the module and be required to repeat the full module.
- 9. If students fail any third or fourth year module(s), they must repeat all the practical/clinical modules of the respective year. The practical and theoretical components are assessed in an integrated manner and students will therefore be required to repeat and pass the module(s) in entirety, as indicated in the relevant learning guide. If students fail to comply with this requirement, they may not be promoted to the following year of study.
- Students will be required to complete a stipulated clinical component (in line with any relevant Professional Board requirements) prior to conferment of degree.

HS3.1.5 Student Registration with Professional Council

- 1. Students must register with the Allied Health Professions Council of South Africa (AHPCSA) at the beginning of each year of registration, at which time a fee is payable to the AHPCSA. It is the students' responsibility to ensure they are registered from the second year of study.
- 2. After graduation, students may apply to the AHPCSA for registration as an Acupuncturist. Full registration will only be granted after completion of a period of Community Service/ Internship as determined by the Allied Health Professions Council of South Africa.

HS3.1.6 Curriculum

All modules are Continuous Evaluation modules.

| First year | | |
|---|-------------|-------------------------------|
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Physics for Health Sciences 1 | PHYCHA1 | |
| Semester two | | |
| Sociology of Health and Health Care | SOHCHB1 | |
| Year modules | • | |
| Anatomy and Physiology 1 | ANPCMY1 | |
| Biodiversity | BIODIY1 | |
| Chemistry 1 | CETCHY1 | |
| Complementary Medicine Practices 1 | COPCMY1 | |
| Personal and Professional Development 1 | PPDCMY1 | |
| Second year | • | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Medical Microbiology | MDMCHA2 | BIODIY1 |
| Year modules | | |
| Anatomy 2 | ANTCMY2 | ANPCMY1 COPCMY1 BIODIY1 |
| Complementary Medicine Practices 2 | COPCMY2 | ANPCMY1 BIODIY1 COPCMY1 |

| Human Biochemistry and Disease 1 | HBDCMY2 | ANPCMY1 CETCHY1 PHYCHA1 |
|---|-------------|--|
| Physiology 2 | PHYCMY2 | ANPCMY1 COPCMY1 |
| Personal and Professional Development 2 | PPDCMY2 | PPDCMY1 SOHCHB1 |
| Third year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Basic Life Support | BLSCMA3 | ANTCMY2 PHYCMY2 |
| Pharmacology | PHMCMA3 | ANTCMY2 PHYCMY2 HBDCMY2 |
| Semester two | | |
| Phytochemistry | PHTCMB3 | HBDCMY2 MDMCHA2 COPCMY2 |
| Year Modules | - | |
| Clinical Diagnostics 3 | CLDCMY3 | ANTCMY2 PHYCMY2 COPCMY2 MDMCHA2 |
| Clinical Psychology | CLPCHY3 | ANTCMY2 PHYCMY2 COPCMY2 PPDCMY2 |
| Complementary Medicine Practices 3 | СОРСМҮ3 | ANTCMY2 PHYCMY2 HBDCMY2 MDMCHA2 COPCMY2 PPDCMY2 |
| Nutritional Medicine | NTMCMY3 | PHYCMY2 HBDCMY2 COPCMY2 |
| Pathology | PATCMY3 | ANTCMY2 PHYCMY2 HBDCMY2 MDMCHA2 |

| Choose one of the following elective module | es | |
|--|-------------|--|
| Homeopathic Materia Medica 1 | НММСМҮ3 | ANTCMY2 PHYCMY2 HBDCMY2 MDMCHA2 COPCMY2 PPDCMY2 |
| OR | | |
| Phytotherapy 1 | PTTCMY3 | ANTCMY2 PHYCMY2 HBDCMY2 MDMCHA2 COPCMY2 PPDCMY2 |
| Fourth year | | |
| Module name | Module code | Prerequisite code |
| Semester one | , | |
| Good Pharmacy Practice | GPPCMA4 | PHMCMA3 NTMCMY3 PHTCMB3 COPCMY3 |
| Practice Management and Jurisprudence 1 | PMJCMA4 | COPCMY3 CLDCMY3 |
| Research Methods in Complementary Medicine | REMCMA4 | PATCMY3 PHMCMA3 CLPCHY3 NTMCMY3 PHTCMB3 COPCMY3 CLDCMY3 |
| Semester two | | |
| Compounding and Dispensing Complementary Medicine | CDDCMB4 | GPPCMA4 PHMCMA3 NTMCMY3 PHTCMB3 COPCMY3 |
| Research Project in Complementary Medicine | REPCMB4 | REMCMA4 |

| Year Modules | | |
|--|---------|--|
| Applied Nutritional Medicine | ANMCMY4 | PATCMY3 PHMCMA3 CLPCHY3 NTMCMY3 PHTCMB3 COPCMY3 CLDCMY3 |
| Clinical Practice 1 | CPRCMY4 | BLSCMA3 PATCMY3 PHMCMA3 CLPCHY3 NTMCMY3 PHTCMB3 COPCMY3 CLDCMY3 |
| Choose one of the following elective mod | dules | |
| Applied Homeopathic Materia Medica | AHMCMY4 | PATCMY3 PHMCMA3 CLPCHY3 NTMCMY3 PHTCMB3 COPCMY3 CLDCMY3 HMMCMY3* |
| OR | | |
| Applied Phytotherapy 1 | APTCMY4 | PATCMY3 PHMCMA3 CLPCHY3 NTMCMY3 PHTCMB3 COPCMY3 CLDCMY3 PTTCMY3* |
| Choose one of the following elective mod | dules | |
| Homeopathic Materia Medica 2 | HMMCMY4 | PHMCMA3 CLPCHY3 NTMCMY3 PHTCMB3 COPCMY3 CLDCMY3 HMMCMY3* |

| OR | | |
|----------------|---------|--|
| Phytotherapy 2 | PTTCMY4 | PATCMY3 PATCMY3 PHMCMA3 CLPCHY3 NTMCMY3 PHTCMB3 COPCMY3 PTTCMY3* |

HS3.2 POSTGRADUATE DIPLOMA IN ACUPUNCTURE (E9A01Q)

Duration of programme Part-time: Minimum 2 years NQF Level 8, 120 Credits

HS3.2.1 Purpose

The purpose of the Postgraduate Diploma in Acupuncture is to provide existing health care professionals with knowledge of the principles, practice and safety issues of the use of acupuncture techniques. The qualifying graduate will be able to competently apply and integrate clinical approaches that optimise the use of the various employed techniques in acupuncture therapeutics; incorporate acupuncture as a treatment modality in their practice as clinically indicated; and be able to integrate modern medical science and acupuncture diagnostics and therapeutics to improve patient care and satisfaction. The graduate will also be a team player capable of working in multidisciplinary teams to promote the profession.

HS3.2.2 Outcomes

Students will be able to:

Interpret clinical data in order to identify and assess the range of health problems presented to acupuncturists, and implement a comprehensive and holistic approach with the integration of relevant clinical competencies and therapeutic acupuncture knowledge.

HS3.2.3 Rules of access and admission requirements

Master of Technology (M. Tech): Homoeopathy, M. Tech Chiropractic, Bachelor of Medicine or Bachelor of surgery (MBChB), Double Bachelors from the University of the Western Cape (UWC) (BSc Complementary Health Science plus a Bachelor's degree in one of the following: Phytotherapy, Naturopathy, or Unani-Tibb).

Applications from persons with other related qualifications will be considered by a constituted status committee in line with the University and Faculty regulations.

HS3.2.4 Pass requirements

- 1. The pass mark for all clinical/practical modules is 60%.
- 2. The pass mark for all theory modules is 50%.
- 3. Students must pass all components of the module(s) to obtain credit for the module(s).
- 4. Students may be required to complete a stipulated clinical component (in line with any relevant Professional Board requirements) prior to conferment of degree.

HS3.2.5 Student Registration with Professional Council

Students must register with the Allied Health Professions Council of South Africa (AHPCSA) at the beginning of each year of registration, as a student within the domain of acupuncture, at which time a fee is payable to the AHPCSA. It is the students' responsibility to ensure they are registered from the second year of study.

After graduation, students can apply to the AHPCSA for registration as an Acupuncturist. Full registration will only be granted after completion of a period of Community Service/ Internship as determined by the Allied Health Professions Council of South Africa.

HS3.2.6 Curriculum

| First year | | |
|----------------------------|-------------|-------------------|
| Module name | Module code | Prerequisite code |
| Acupuncture Therapeutics 1 | ACT01Y1 | |
| Clinical Acupuncture 1 | CLACMY1 | |
| Foundations of Acupuncture | FOACMY1 | |
| Needling Techniques 1 | NETCMY1 | |
| Second year | | |
| Acupuncture Therapeutics 2 | ACT01Y2 | ACT01Y1 |
| Applied Research | APRCMY2 | FOACMY1 |
| Clinical Acupuncture 2 | CLACMY2 | CLACMY1 |
| Ethics and Jurisprudence | ETJCMY2 | NETCMY1 |

HS3.3 POSTGRADUATE DIPLOMA IN PHYTOTHERAPY (E9P01Q)

Duration of programme Part-time: Minimum 2 years NQF Level 8, 120 Credits

HS3.3.1 Purpose

The purpose of this programme is to develop a graduate competent in the knowledge, attitudes, insight and skills required for diagnosing and managing patients in the field of Phytotherapy and formulating comprehensive treatment plans for health promotion. Graduates will be competent to compound, dispense and prescribe herbal medicines within their scope of practice and will also be a team player capable of working in multidisciplinary teams to promote the profession.

HS3.3.2 Outcomes

Derive, analyse, and interpret clinical data in order to identify and assess the range of health problems presented to phytotherapists, and implement a comprehensive and holistic approach with the integration of relevant clinical competencies and phytotherapy knowledge.

HS3.3.3 Rules of access and admission requirements

Master of Technology (M. Tech): Homoeopathy, M. Tech Chiropractic, Bachelor of Medicine or Bachelor of surgery (MBChB), Double Bachelors from the University of the Western Cape (UWC) (BSc Complementary Health Science plus a Bachelor's degree in one of the following: Chinese Medicine and Acupuncture, Naturopathy, or Unani-Tibb).

Applications from persons with other related qualifications will be considered by a constituted status committee in line with the University and Faculty regulations.

HS3.3.4 Pass requirements

- 1. The pass mark for all clinical/practical modules is 60%.
- 2. The pass mark for all theory modules is 50%.
- 3. Students must pass all components of the module(s) to obtain credit for the module(s).
- 4. Students may be required to complete a stipulated clinical component (in line with any relevant Professional Board requirements) prior to conferment of degree.

HS3.3.5 Student Registration with Professional Council

Students must register with the Allied Health Professions Council of South Africa (AHPCSA) at the beginning of each year of registration, as a student within the domain of phytotherapy, at which time a fee is payable to the AHPCSA. It is the students' responsibility to ensure they are registered from the second year of study.

After graduation, students can apply to the AHPCSA for registration as a Phytotherapist. Full registration will only be granted after completion of a period of Community Service/ Internship as determined by the Allied Health Professions Council of South Africa.

HS3.3.6 Curriculum

| First year | | |
|--|-------------|-------------------|
| Module name | Module code | Prerequisite code |
| Applied Phytotherapy 1 | APT01Y1 | |
| Foundations of Phytotherapy 1 | FOPCMY1 | |
| Herbal Pharmacognosy | HPCCMY1 | |
| Herbal Pharmacology and Phytochemistry | HPPCMY1 | |
| Second year | | |
| Herbal Pharmacy | HEPCMY2 | HPCCMY1 |
| Applied Research | APRCMY2 | FOPCMY1 |

| Clinical Phytotherapy | CLPCMY2 | APT01Y1 |
|--------------------------|---------|---------|
| Ethics and Jurisprudence | ETJCMY2 | HPPCMY1 |

HS3.4 MASTER OF HEALTH SCIENCES IN COMPLEMENTARY MEDICINE

(M9CM1Q)

Duration of programme

Full-time: 2 Years

NQF Level 9, 180 Credits

Course work 70% and minor dissertation 30%

HS3.4.1 Purpose

The purpose of this qualification is to develop a graduate competent in the knowledge, attitudes, insight and skills required for diagnosing and treating patients in the field of CM as well as formulating comprehensive management plans for health promotion.

The qualifying graduate will be able to competently apply and integrate theoretical principles, evidence-based techniques, practical exposure and appropriate skills as a healthcare practitioner. The programme of study will produce a well-rounded graduate who will be competent to compound, dispense and prescribe CMs within that scope of practice. The graduate will be a team player capable of working in multidisciplinary teams to promote the profession.

HS3.4.2 Outcomes

On completion of this programme the graduate will be competent to practice as a CM healthcare practitioner, as either a homeopath or phytotherapist, within the community. The graduate will be eligible to register with the Allied Health Professions Council of South Africa as a practitioner within the respective CM field. The graduate will be able to conduct research in order to develop and contribute towards research output in a CM related field in order to advance professional development in the provision of health care and education to individuals and communities.

HS3.4.3 Rules of access and admission requirements

The minimum admission requirement is the Bachelor of Health Sciences in Complementary Medicine (BHS CM). Applications from persons with an equivalent qualification will be considered by a constituted status committee in line with the University's & Faculty's regulations.

HS3.4.4 Pass requirements

- 1. The pass mark for all clinical/practical modules is 60%.
- 2. Students retain credit for all modules passed.
- 3. Students must pass all components of the module(s) to obtain credit for the module(s).
- 4. 100% attendance of and participation in the practical and/or clinical components are compulsory. If students fail to comply with this requirement, they may fail the module and be required to repeat the full module.
- 5. Students will be required to complete a stipulated clinical component (in line with any relevant Professional Board requirements) prior to conferment of degree.
- 6. If students fail any module(s), they must repeat all the practical/clinical modules (excluding the entrance OSCE). The practical and theoretical components are

- assessed in an integrated manner and students will therefore be required to repeat and pass the module(s) in entirety, as indicated in the relevant learning guide.
- 7. All students are required to complete a research project for conferment of the qualification which will be weighted as 30% of the master's year.

HS3.4.5 Student Registration with Professional Council

- 1. Students must register with the Allied Health Professions Council of South Africa (AHPCSA) at the beginning of the year, at which time a fee is payable to the AHPCSA. It is the students' responsibility to ensure they are registered.
- 2. After graduation, students must apply to the Council for registration within the respective field of CM.
- 3. Registration as a practitioner may only be granted by the AHPCSA after completion of a prescribed internship as determined by the AHPCSA.

HS3.4.6 Curriculum

A research project and a minor dissertation. The research component is 30%.

| First year | | |
|---|-------------|-------------------|
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Practice Ethics and Jurisprudence 2 | PEJ9XA1 | |
| Year modules | | |
| Clinical Practice 2 | CPR9XY1 | |
| Research Project | REP9XY1 | |
| Choose one of the following elective module | | |
| Applied Homeopathic Materia Medica 2 | AHM9XY1 | |
| OR | | |
| Applied Phytotherapy 2 | APT9XY1 | |
| Choose one of the following elective module | | |
| Homeopathic Materia Medica 3 | HMM9XY1 | |
| OR | | |
| Phytotherapy 3 | PTT9XY1 | |

| Second year | | |
|-----------------------|-------------|-------------------|
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Homeopathy Internship | HPI9XA2 | |
| Semester two | | |
| Homeopathy Internship | HPI9XB2 | |
| Year modules | | |
| Research Project | REP9XY2 | |

HS3.5 DOCTOR OF HEALTH SCIENCES IN COMPLEMENTARY MEDICINE (P9CM1Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years

NQF Level 10, 360 Credits Research thesis 100%

HS3.5.1 Purpose

The purpose of this programme is to provide the qualifying student with advanced analytical problem-solving and reflective competencies in the field of complementary medicine (CM), and to enable them to act as a leader within the CM research field. This will be achieved by making an original contribution to the knowledge content of CM through independent research.

HS3.5.2 Outcomes

On completion of this qualification, the graduate will be competent to conduct, present/publish and supervise accredited research within the field of CM, in order to advance professional development and provide health education to individuals and communities.

HS3.5.3 Rules of access and admission requirements

The admission requirement for the DHSc CM programme is a Masters of Health Sciences in Complementary Medicine (MHSc CM) (Homeopathy or Phytotherapy) or Master of Technology (M. Tech): Homoeopathy, or an equivalent qualification in a relevant field at an NQF level 9, generating a minimum of 180 credits for example: phytochemistry, pharmacology or related analytical fields. Applications from persons with an equivalent qualification will be considered by a constituted status committee in line with the University's & Faculty's regulations.

Selection criteria

Selection is based on approval of the student's research proposal by the Department and Faculty's Research and Ethics Committees.

HS3.5.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS3.5.5 Curriculum

A research thesis. The research component is 100%.

| Module name | Module code |
|---|-------------|
| Semester one | |
| Research Project and Thesis: Complementary Medicine | CPMEDA1 |
| Semester two | |
| Research Project and Thesis: Complementary Medicine | CPMEDB1 |

HS4.0 <u>DEPARTMENT OF EMERGENCY MEDICAL CARE</u>

HS4.1 HIGHER CERTIFICATE IN EMERGENCY MEDICAL CARE (F9E01Q)

Mode of Offering: Contact Duration of programme

Offered Off campus: Minimum 1 year and Maximum 2 years

NQF Level 5, 132 Credits

HS4.1.1 Purpose

This programme is designed to produce entry-level emergency care providers who are clinical assistants within the emergency medical care environment thereby replacing the Basic Ambulance Assistant Course as the entry qualification for emergency medical services. The qualification provides an entry point into a career in emergency medical services thereby creating access and an opportunity for employment within the emergency services and related industries. The programme will develop the necessary foundational knowledge; skills and attitudes necessary to form the basis for further study in the field of prehospital emergency medical care and will provide access to further study within the HEQSF.

Graduates will practice primarily on ambulances within South Africa in rural and urban contexts that range from sophisticated emergency medical care facilities to remote primary health care settings. This programme also aims to promote an understanding of the multi-disciplinary approach to effective, efficient patient care.

HS4.1.2 Outcomes

- 1. Demonstrate effective communication and apply the principles of medical ethics, professional behaviour and the legal framework to the context within which Emergency Care Assistants operate while maintaining personal health, wellness and safety.
- 2. Demonstrate knowledge of the structure and function of Emergency Medical Service (EMS) systems in South Africa and how they relate to the broader health care structures within the country.
- 3. Provide healthcare as part of a team within an emergency care environment to all sectors of the community within the Emergency Care Assistant scope of practice.

HS4.1.3 Rules of access and admission requirements

The minimum entry requirement is the National Senior Certificate with appropriate module combinations and levels of achievement as defined in the Minister's policy,

Minimum Admission Requirements for Higher Certificate, Diploma and Bachelor's Degree Programmes Requiring a National Senior Certificate, Government Gazette, Vol. 482, 27961, 18 August 2005.

In addition to adherence to the University's student admission policy the Department has the following requirements:

The applicant with a Senior Certificate (Prior to 2009) must have at least a minimum of an E symbol on Higher Grade or a D symbol on Standard Grade pass for all of the following subjects:

- English
- Mathematics
- Biology or Physical Sciences

For applicants who obtained a Grade 12 during or after 2009:

A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

| (Exclude Life Orientation when calculating APS) | | | | | | |
|---|--|-------------|--------------------------|----------------------|---------------|--|
| Minimum APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences | |
| 21 | 5 | 3 | Not accepted | 3 | 4 | |

Selection criteria

Selection will be based on:

- academic merit: APS
- a structured personal interview;
- a phobia evaluation;
- medical examination;
- physical fitness and swimming proficiency evaluation;
- an English proficiency evaluation;
- previous appropriate experience (a recommendation).

HS4.1.4 Pass requirements

- 1. Students may graduate once they have passed all of the modules.
- 2. Due to the integrated nature of certain modules, individual credits are NOT retained unless all modules are passed within the same academic year. This ruling applies to the following modules:

| HCert EMC |
|-----------|
| EMCCTY1 |
| EMCCPY1 |
| CLPECY1 |

- 3. If students fail any of the modules within the programme, they need to register for, and pass the physical preparedness module again.
- 4. 100% attendance of all theory lectures, practicals, experiential or clinical components as well as tutorials is compulsory.
- 5. In order to gain readmission to the programme, students must pass a minimum of 60% of the modules.

- 6. Students may not register for the same module for a third time without permission from the Head of Department and Executive Dean.
- 7. Students have a maximum of two years to complete the full-time offering, and three years to complete the part-time offering.

HS4.1.5 Practical Training (Clinical learning)

- 1. Students must, by the end of the relevant year of study, complete the Clinical Learning requirements which are detailed in the relevant study guides in order to be granted a credit for the clinical practice module.
- 2. Clinical practice is rostered at set periods during the academic year in conjunction with cooperative partners and cannot be personalised.
- 3. 100% attendance of all rostered shifts is compulsory. Students who miss shifts due to illness or injury will be required make up the missed shifts prior to the end of the academic year if they are to be granted a credit for the practical training modules.

HS4.1.6 Specific rules and regulations for Emergency Medical Care students

- 1. Students must familiarize themselves with the internal rules and regulations of the Department of Emergency Medical Care. These rules and regulations, as set out in the Departmental policy document, are binding.
- 2. Students who fail to attend theory classes will be requested to provide in writing reasons for their non-attendance.
- 3. The programme is not offered as a distance- learning programme. Students who elect to leave the country will be unable to continue with their studies.
- 4. All students (even if not registered for Clinical Practice within that academic year) are required to see a minimum number of patients each year as determined by the department whilst they are registered. This is a requirement to ensure that clinical competencies are retained.
- 5. All registered students are required to attend physical training sessions as rostered.
- 6. Students may not register for a third time for the same module unless allowed by the Head of Department and Executive Dean of the Faculty.
- 7. Students are required to adhere to the requirements of the department relating to uniform and personal appearance.

HS4.1.7 Curriculum

All modules are Continuous Evaluation modules

| First year | | | | | | |
|--------------------------------------|-------------|-------------------|--|--|--|--|
| Module name | Module code | Prerequisite code | | | | |
| Semester one | | | | | | |
| Basic Sciences: Physics 1A | PHYCEA1 | | | | | |
| Foundations of Professional Practice | FOPPCA1 | | | | | |
| End User Computing | ENUC011 | | | | | |
| Semester two | | | | | | |
| Basic Sciences: Chemistry | CHBCEB1 | | | | | |
| Mental Health and Wellness | MHAECB1 | | | | | |

| Year modules | | | | | | |
|------------------------------------|---------|--|--|--|--|--|
| Emergency Medical Care 1 Theory | EMCCTY1 | | | | | |
| Emergency Medical Care 1 Practical | EMCCPY1 | | | | | |
| Clinical Practice 1 | CLPECY1 | | | | | |
| Anatomy 1 | ANATCY1 | | | | | |
| Physiology 1 | PHYSEY1 | | | | | |
| Physical Preparedness 1 | PHPRCY1 | | | | | |

HS4.2 DIPLOMA IN EMERGENCY MEDICAL CARE (D9E01Q)

Duration of programme Full-time: Minimum 2 years NQF Level 6, 240 Credits

HS4.2.1 Purpose

This is a mid-level worker qualification within the Emergency Care profession. Successful completion leads to registration with the Health Professions Council of South Africa (HPCSA) as a Paramedic. The programme recognizes the key competences required by Paramedics who are able to work independently in a variety of prehospital emergency care contexts.

HS4.2.2 Outcomes

- 1. Demonstrate effective communication and apply the principles of medical ethics, professional behaviour, and the legal framework to the context within which Paramedics operate while maintaining personal health, wellness and safety.
- 2. Demonstrate knowledge of the structure and function of Emergency Medical Service (EMS) systems in South Africa and how they relate to the broader health care structures within the country.
- 3. Care for and operate medical and rescue equipment and resources required to render emergency care and rescue within the Paramedic scope of practice.
- 4. Perform appropriate clinical assessment, diagnostics skills and interventions within the Paramedic scope of practice.

HS4.2.3 Rules of access and admission requirements

The minimum entry requirement is the National Senior Certificate with appropriate module combinations and levels of achievement as defined in the Minister's policy. Minimum Admission Requirements for Higher Certificate, Diploma and Bachelor's Degree Programmes Requiring a National Senior Certificate, Government Gazette, Vol. 482, 27961, 18 August 2005.

In addition to adherence to the University's student admission policy, the Department has the following requirements:

- 1. The minimum admission requirement is a Senior Certificate with university exemption, or an equivalent (NQF Level 4) achievement, as determined by a status committee, with the following subject combinations and symbols:
 - 1.1 Biology or Physiology with at least a Higher Grade D or Standard Grade C symbol.
 - 1.2 Physical Science with at least a Higher Grade D or Standard Grade C symbol.

1.3 Mathematics with at least a Higher Grade D or Standard Grade C symbol.

For applicants who obtained a Grade 12 during or after 2008:

A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

(Exclude Life Orientation when calculating APS)

| Minimum APS | Language of teaching and Learning (English) | _ | Mathematical Literacy | Physical Sciences | Life Sciences |
|----------------|--|---|--------------------------|----------------------|---------------|
| 26 | 5 | 4 | Not accepted | 4 | 4 |

Selection criteria

Selection will be based on:

- academic merit; APS
- a structured personal interview;
- a phobia evaluation;
- medical examination;
- physical fitness and swimming proficiency evaluation;
- an English proficiency evaluation;
- previous appropriate experience (a recommendation).

HS4.2.4 Pass requirements

- 1. Students may graduate once they have passed all the modules.
- 2. Due to the integrated nature of certain modules, individual credits are NOT retained unless all are passed within the same academic year. This ruling applies to the following modules:

| 1 st Year | 2 nd Year |
|----------------------|----------------------|
| EMCTH11 | EMCTH22 |
| EMCPR11 | EMCPR22 |
| CLPR011 | CLPR022 |

- 3. Students may enrol for a module in the following year, provided that:
 - 3.1 They have passed the prerequisite modules.
 - 3.2 The module selection does not lead to timetable clashes.
 - 3.3 In the case of Medical Rescue, the student has passed the physical preparedness module in the previous year of study.
- 4. If any of the modules within a particular year is failed, students need to register for and pass the physical preparedness module again.
- 5. First-year students must pass a minimum of 60% of the first-year modules to qualify for readmission to the programme.
- 6. 100% attendance of all theory lecturers, practical, experiential or clinical components as well as tutorials is compulsory.
- 7. Students are granted full second-year status if they have passed all of the first-year modules.
- 8. Physical training is compulsory and in order to gain entry into medical rescue modules, students must successfully complete the physical preparedness evaluations.
- 9. Students may not register for the same module for a third time without permission from the Head of Department and Executive Dean of the Faculty.
- 10. Students have a maximum of four years to complete the qualification.

HS4.2.5 Practical Training (Clinical learning)

- 1. Students must, by the end of each year, complete the Clinical Learning requirements which are detailed in the relevant study guides in order to be granted a credit for the clinical practice modules.
- 2. Clinical practice is rostered at set periods during the academic year in conjunction with cooperative partners and cannot be personalised.
- 3. 100% attendance of all rostered shifts is compulsory. Students who miss shifts due to illness or injury will be required make up the missed shifts prior to the end of the academic year if they are to be granted a credit for the practical training modules.

HS4.2.6 Specific rules and regulations for Emergency Medical Care students

- 1. Students must familiarize themselves with the internal rules and regulations of the Department of Emergency Medical Care. These rules and regulations, as set out in the Departmental policy document, are binding.
- 2. 100% attendance of all theory lecturers, practical, experiential, or clinical components as well as tutorials is compulsory.
- 3. Students who fail to attend theory classes will be requested to provide in writing reasons for their non-attendance.
- 4. The programme is not offered as a limited contact or distance- learning programme. Students who elect to leave the country will be unable to continue with their studies.
- 5. All students (even if not registered for Clinical Practice within that academic year) are required to see a minimum number of patients each year as determined by the department whilst they are registered. This is a requirement to ensure that clinical competencies are retained.
- 6. All registered students are required to attend physical training sessions as rostered.
- 7. Students may not register for a third time for the same module unless allowed by the Head of Department and Executive Dean of the Faculty.
- 8. Students are required to adhere to the requirements of the department relating to uniform and personal appearance.
- 9. Students have maximum of 4 years to complete the two-year diploma.

HS4.2.7 Curriculum

All modules are Continuous Evaluation modules.

| First year | | | | | | |
|----------------------------|------------------------|---|--|--|--|--|
| Module name | Prerequisite code | | | | | |
| Semester one | | | | | | |
| Basic Sciences: Physics 1A | PHY1DA1 | | | | | |
| End User Computing | User Computing ENUC011 | | | | | |
| Semester two | | · | | | | |
| Basic Sciences: Chemistry | CET1DB1 | | | | | |
| Mental Health and Wellness | MHAW011 | | | | | |
| Year modules | , | | | | | |

| FOPP011 | | | |
|---|---|--|--|
| EMCTH11 | | | |
| EMCPR11 | | | |
| CLPR011 | | | |
| ANAT011 | | | |
| PHYS011 | | | |
| PHPR011 | | | |
| | | | |
| | Module code Prerequisite code | | |
| Module code | | | |
| Module code | | | |
| Module code EMCTH22 | PHY1DA1 ENUC011 | | |
| | PHY1DA1 ENUC011 CET1DB1 MHAW011 FOPP011 | | |
| EMCTH22 | PHY1DA1 ENUC011 CET1DB1 MHAW011 FOPP011 - EMCTH11 EMCPR11 | | |
| EMCTH22 EMCPR22 | PHY1DA1 ENUC011 CET1DB1 MHAW011 FOPP011 EMCTH11 | | |
| EMCTH22 EMCPR22 CLPR022 | PHY1DA1 ENUC011 CET1DB1 MHAW011 FOPP011 EMCTH11 EMCPR11 CLPR011 ANAT011 PHYS011 All first year modules must | | |
| EMCTH22 EMCPR22 CLPR022 PRHC022 | PHY1DA1 ENUC011 CET1DB1 MHAW011 FOPP011 EMCTH11 EMCPR11 CLPR011 ANAT011 PHYS011 All first year | | |
| EMCTH22 EMCPR22 CLPR022 PRHC022 HIAN022 | PHY1DA1 ENUC011 CET1DB1 MHAW011 FOPP011 EMCTH11 EMCPR11 CLPR011 ANAT011 PHYS011 All first year modules must | | |
| | EMCTH11 EMCPR11 CLPR011 ANAT011 PHYS011 | | |

HS4.3 ADVANCED CERTIFICATE IN MEDICAL RESCUE (C9AMRQ)

Mode of Offering: Contact One Year Programme

Duration of programme

Offered Part-Time: Minimum 2 years and Maximum 3 years

NQF Level 6, 147 Credits

HS4.3.1 Purpose

This programme is designed to equip graduates with the required knowledge, skills and attributes to function as Medical Rescue Technicians. Medical Rescue Technicians will function within the emergency care profession of the South African healthcare system. These professionals will have the technical and cognitive ability necessary to operate at urban, rural and aquatic rescue incidents. Medical Rescue Technicians will promote a multi-disciplinary approach to effective, efficient rescue techniques with the patients' needs being central to the rescue operation.

HS4.3.2 Outcomes

- 1. Articulate a meaningful understanding of the over-arching principles and generic phases of a rescue including the role and function of rescue personnel, rescue services, incident command systems and applicable legislation within the South African context.
- 2. Apply the principles and theories of basic sciences underpinning rescue activities.
- 3. Conduct operational routines including the identification, inspection, preparation, operation, maintenance and storage of equipment, vehicles and other resources required to provide safe and effective rescue services.
- Demonstrate appropriate levels of physical fitness, emotional stability, endurance, teamwork, and leadership required for the effective rendering of rescue in austere environments.
- 5. Demonstrate the ability to safely construct and operate rope rescue systems used to access, package, treat and extricate victims in a range of contexts including, urban, rural, industrial, wilderness and aquatic settings.
- 6. Perform and participate in search and rescue activities within a range of contexts including, urban, rural, industrial, wilderness and aquatic settings.

HS4.3.3 Rules of Access and Admission Requirements

This is a qualification for individuals who are already registered as health care professionals. Applicants will be required to provide proof that they are registered with the Health Professions Council (HPCSA) of South Africa or similar registering authority in the case of international applicants.

In addition, applicants would need to also hold an applicable recognised NQF level 5 or other higher education qualification in emergency medical care that facilitates their articulation and access into the Advanced Certificate in Medical Rescue. Applicants may enter the programme using the UJ's RPL criteria.

HS4.3.4 Selection criteria

To register for the qualification, the candidate must meet or exceed all the requirements indicated below:

The applicant with a Senior Certificate (prior to 2009) with University exemption, or its equivalent (NQF Level 4), as determined with an M-Score of 10 and at least a minimum of an E symbol on Higher Grade or a D symbol on Standard Grade pass for the following subjects:

- English
- Mathematics
- Biology/Physiology or,
- Physical Science

The applicant with a National Senior Certificate with a Diploma endorsement must have the following subjects and rating codes:

(Exclude Life Orientation when calculating APS)

| Minimum APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences |
|----------------|--|-------------|--------------------------|----------------------|---------------|
| 21 | 4 | 4 | Not accepted | 4 | 4 |

In addition to the above applicants must undergo structured interview, a South African Civil Aviation Authority (SACAA) Class II Cabin Crew Medical Assessment (or equivalent), physical fitness assessment (including swimming proficiency), acrophobia and claustrophobia testing and an English language proficiency assessment prior to registration.

Recognition of Prior Learning (RPL) will be applied on an individual basis against the exit-level outcomes of the programme on a case-by-case basis and will be conducted in accordance with the UJ's RPL Policy and Professional Board requirements.

HS4.3.5 Pass requirements

- 1. Students must pass all components of the module(s) to obtain credit for the module(s).
- 2. Students may graduate once they have passed all of the modules.
- 3. The Physical Preparedness module will be considered a co-requisite for any registered student, regardless of having passed the module in the prior academic semester or year.
- 4. Students must pass a minimum of 50% of the modules to qualify for readmission to the programme.
- 5. Students may not register for the same module for a third time without permission from the Head of Department and Executive Dean of the Faculty.
- 6. A range of assessment strategies and weightings, as laid out in the relevant module's learning guide, explains the continuous assessment criteria specified for promotion to the next year of study.

HS4.3.6 Curriculum

All modules are Continuous Evaluation modules.

| Module code | Prerequisite code |
|-------------|---|
| | |
| PHY1DA1 | |
| | |
| CET1DB1 | |
| | |
| PHP01Y1 | |
| CRE01Y1 | |
| FRP01Y1 | |
| HAR01Y1 | |
| RTE01Y1 | |
| | |
| | _ |
| RWR02Y2 | PHY1DA1 |
| | PHY1DA1 CET1DB1 PHP01Y1 CRE01Y1 FRP01Y1 HAR01Y1 RTE01Y1 |

| | | CET1DB1 |
|--------------------------|---------|---------|
| | | |
| | | CRE01Y1 |
| | | FRP01Y1 |
| | | HAR01Y1 |
| | | RTE01Y1 |
| | | PHP01Y1 |
| | | PHY1DA1 |
| | | CET1DB1 |
| | | CRE01Y1 |
| Urban Rescue Operations | URO02Y2 | FRP01Y1 |
| | | HAR01Y1 |
| | | RTE01Y1 |
| | | PHP01Y1 |
| Physical Preparedness 1B | PHP02Y2 | PHP01Y1 |

HS4.4 BACHELOR OF HEALTH SCIENCES IN EMERGENCY MEDICAL CARE (B9E01Q)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

HS4.4.1 Purpose

The purpose of this qualification is to develop an Emergency Care Practitioner competent in the clinical knowledge and skills required for the emergency medical care and medical recue profession.

The graduate will be able to competently apply an integration of theoretical principles, proven techniques, practical experience and appropriate clinical skills in order to:

- Provide an independent specialised emergency medical care and rescue service to all sectors of the community.
- Demonstrate skills in management and research working independently and in a supervisory capacity within emergency services and the healthcare team.
- Become a reflective practitioner and lifelong student within the emergency medical care profession.
- Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa as an Emergency Care Practitioner.

HS4.4.2 Outcomes

- Demonstrate effective communication and apply the principles of medical ethics, professional behaviour, and the legal framework to the context within which emergency care practitioners operate while maintaining physical fitness, personal health, wellness and safety.
- 2. Provide and facilitate emergency medical care to all sectors of the community utilising specialised clinical strategies and technologies.
- 3. Perform medical rescue in a wide range of contexts.
- 4. Provide in-service training in emergency medical care and rescue.
- 5. Demonstrate an understanding of the structure and functioning of Emergency Medical

- Service (EMS) systems in South Africa including the provision of operational and clinical supervision within an emergency medical and rescue service.
- 6. Develop research skills, participate and conduct research in emergency medical care and rescue.

HS4.4.3 Rules of access and admission requirements

For applicants who obtained a Grade 12 prior to 2008:

- 1. A Senior Certificate with university exemption or an equivalent qualification at an equivalent standard, as determined by a Status Committee, with 2 of the following modules:
 - 1.1 Biology or Physiology with at least a Higher Grade D or Standard Grade C symbol.
 - 1.2 Physical Science with at least a Higher Grade D or Standard Grade C symbol.
 - 1.3 Mathematics with at least a Higher Grade D or Standard Grade C symbol.

For applicants who obtained a Grade 12 during or after 2008:

A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

| (Exclude Lif | (Exclude Life Orientation when calculating APS) | | | | | |
|----------------|--|-------------|--------------------------|----------------------|---------------|--|
| Minimum APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences | |
| 26 | 5 | 4 | Not accepted | 4 | 4 | |

Selection criteria

Selection will be based on:

- · academic merit;
- a structured personal interview;
- a phobia evaluation:
- passing of a Class II Aviation or equivalent medical examination;
- a physical preparedness evaluation;

Evidence of community service and or previous appropriate experience is a recommendation.

HS4.4.4 Pass requirements

1. Due to the integrated nature of certain modules, individual credits are NOT retained unless all are passed within the same academic year. This ruling applies to the following modules:

| 1 st Year | 2 nd Year | 3 rd Year | 4 th Year |
|----------------------|----------------------|----------------------|----------------------|
| EMC01Y1 | EMC01Y2 | EMC01Y3 | EMC01Y4 |
| EMC02Y1 | EMC02Y2 | EMC02Y3 | EMC02Y4 |
| EMC03Y1 | EMC03Y2 | EMC03Y3 | EMC03Y4 |
| PFP01Y1 | PFP02Y2 | PFP03Y3 | PFP04Y4 |

- 2 Students may enrol for a module in the following year, provided that:
 - 2.1 They have passed the prerequisite modules.
 - 2.2 The module selection does not lead to timetable clashes.
 - 2.3 In the case of Medical Rescue, the student has passed the fitness and swimming proficiency assessment.
- 3 First-year students must pass a minimum of 60% of the first-year modules to qualify for readmission to the programme.
- 4 100% attendance of all theory lecturers, practical, experiential or clinical components as well as tutorials is compulsory.
- 5 Students who fail to attend theory classes will be requested to provide in writing reasons for their non-attendance.

HS4.4.5 Clinical practice (Work integrated learning)

- 1. Students must, by the end of each year, complete the requirements which are detailed in the EMC 1, 2, 3 and 4 Study Guides.
- 2. Clinical Learning and rescue practical are integrated into the academic programme in conjunction with cooperative education and training partners, for this reason, shift rosters cannot be personalized.
- 3. Due to the nature of emergency medical care and rescue work students registering for this programme may be required to work after-hours, weekends and over religious holidays. We are regretfully unable to cater for individual requests not to work on certain days and times.

HS4.4.6 Specific rules and regulations for Emergency Medical Care students

- 1. Students must familiarize themselves with the internal rules and regulations of the Department of Emergency Medical Care. These rules and regulations, as set out in the Departmental policy document, are binding.
- 2. The programme is not offered as a limited contact or distance- learning programme. Students who elect to leave the country will be unable to continue with their studies.
- 3. All students (even if not registered for Clinical Practice within that academic year) are required to see a minimum number of patients each year as determined by the department whilst they are registered. This is a requirement to ensure that clinical competencies are retained.
- 4. All registered students are required to attend physical training sessions as rostered.
- 5. Students may not register for a third time for the same module.
- 6. Students are required to adhere to the requirements of the department relating to uniform and personal appearance.
- 7. Students have maximum of 6 years to complete the four-year degree.

HS4.4.7 Curriculum

All modules are Continuous Evaluation modules.

| First year | | | | | |
|--------------------------|-------------|-------------------|--|--|--|
| Module name | Module code | Prerequisite code | | | |
| Semester one | | | | | |
| Computing Literacy | CSL01A1 | | | | |
| Basic Science: Physics | PHB1AA1 | | | | |
| Semester two | | | | | |
| Basic Science: Chemistry | CHB1BB1 | | | | |

| Mental Health and Wellness | MHW1BB1 | |
|--------------------------------------|-------------|---|
| Year modules | | |
| Emergency Medical Care 1 Theory | EMC01Y1 | |
| Emergency Medical Care 1 Practical | EMC02Y1 | |
| Clinical Practice 1 | EMC03Y1 | |
| Foundations of Professional Practice | FPP01Y1 | |
| Anatomy 1 | ANT01Y1 | |
| Physiology 1 | PHY01Y1 | |
| Physical Preparedness 1 | PFP01Y1 | |
| Second year | | |
| Module name | Module code | Prerequisite code |
| Semester two | | |
| Primary Health Care 2 | PHC01B2 | |
| Year modules | | |
| Emergency Medical Care 2 Theory | EMC01Y2 | EMC01Y1 EMC02Y1 |
| Emergency Medical Care 2 Practical | EMC02Y2 | EMC03Y1 PHY01Y1 CHB1BB1 |
| Clinical Practice 2 | EMC03Y2 | ANT01Y1 MHW1BB1 CSL01A1 |
| Diagnostics 1 | EMC04Y2 | FPP01Y1 PHB1AA1 |
| High Angle 1 | HAR01Y2 | EMC01Y1 |
| Fire Search & Rescue 1 | FSR01Y2 | EMC02Y1 EMC03Y1 |
| Motor Vehicle Rescue | MVR01Y2 | PHY01Y1 |
| Industrial & Agricultural Rescue | IAR01Y2 | CHB1BB1 PFP01Y1 PHB1AA1 |
| Physiology 2 | PHY02Y2 | ANT01Y1 PHY01Y1 |
| General Pathology 1 | GPA01Y2 | EMC01Y1 EMC02Y1 EMC03Y1 ANT01Y1 PHY01Y1 |

| Physical Preparedness 2 | PFP02Y2 | PFP01Y1 |
|--|-------------|---|
| Third year | • | |
| Module name | Module code | Prerequisite code |
| Year modules | · | · |
| Emergency Medical Care 3 Theory | EMC01Y3 | EMC01Y2 EMC02Y2 |
| Emergency Medical Care 3 Practical | EMC02Y3 | EMC03Y2 PHC01B2 |
| Clinical Practice 3 | EMC03Y3 | PHY02Y2 GPA01Y2 |
| High Angle 2 | HAR02Y3 | HAR01Y2 FSR01Y2 |
| Wilderness Search and Rescue | WSR01Y3 | MVR01Y2 IAR01Y2 |
| Aviation Rescue | AVR01Y3 | PFP02Y2 EMC01Y2 |
| Aquatic Rescue | AQR01Y3 | EMC02Y2 EMC03Y2 |
| Pharmacology 1 | PHA01Y3 | EMC01Y2 EMC02Y2 EMC03Y2 EMC04Y2 PHC01B2 PHY02Y2 GPA01Y2 |
| Research Methodology EMC | RMT01Y3 | EMC01Y2 EMC02Y2 EMC03Y3 EMC04Y4 GPA01Y2 PHY02Y2 PHC01B2 |
| Physical Preparedness 3 | PFP03Y3 | PFP02Y2 |
| Fourth Year | | |
| Module name | Module code | Prerequisite code |
| Year modules | | |
| Intensive and Specialized Care | EMC01Y4 | EMC01Y3 |
| Paediatric and Neonatal Emergency Care | EMC02Y4 | EMC02Y3 EMC30Y3 |
| Clinical Practice 4 | EMC03Y4 | PHA01Y3 |
| Research Elective 4 | REP01Y4 | RMT01Y3 EMC01Y3 |

| Educational Techniques | EDT01Y4 | EMC01Y3 EMC02Y3 |
|----------------------------------|---------|-------------------------------|
| Emergency Service Administration | ESA01Y4 | |
| Disaster Management | DIS01Y4 | EMC01Y3 EMC02Y3 EMC03Y3 |
| Confined Space Rescue | CSR01Y4 | HAR02Y3 |
| Hazardous Materials Rescue | HAZ01Y4 | WSR01Y3 AVR01Y3 PFP03Y3 |
| Trench Rescue | TRR01Y4 | EMC01Y3 EMC02Y3 |
| Structural Collapse Rescue | SCR01Y4 | EMC03Y3 |
| Physical Preparedness 4 | PFP04Y4 | PFP03Y3 |

HS4.5 POSTGRADUATE DIPLOMA IN CLINICAL SIMULATION (E9CSMO)

Mode of offering: Distance (Online)

Duration of programme

Offered Part-time: Minimum 2 years and maximum 3 years

NQF Level 8, Credits 124

HS4.5.1 Purpose

The purpose of the PGDip Clinical Simulation is to develop health care educators who are skilled in the integration and application of clinical simulation theories and practises in their own teaching, learning, assessment, and research. This requires problem-solving skills and critical, reflective thinking, as well as the ability to report on clinical simulated teaching principles in ways appropriate to the relevant academic and disciplinary discourses. The graduate will be able to competently apply an integration of theoretical principles, proven techniques, practical experience, and appropriate skills into their own teaching practises.

HS4.5.2 Outcomes

- 1. Demonstrate a deep understanding of the development and application of simulation as a strategy for health care education.
- 2. Apply adult learning theories to the construction and application of simulation-based learning experiences.
- 3. Describe and critically appraise current simulation technologies and modalities with regard to their value and application.
- 4. Design and implement simulation-based learning experiences using appropriate teaching, learning and assessment strategies.
- 5. Describe the core principles associated with the management of simulation facilities and related resources.
- 6. Critically appraise research methodologies and approaches used in simulation contexts.

HS4.5.3 Rules of access and admission requirements

The minimum admission requirement is an appropriate Health Sciences related Bachelor's degree or Advanced Diploma or equivalent qualification (a minimum of an

NQF level 7). The candidate should have experience in health professions education, with a minimum of 2 years' experience in their relevant field. This includes clinical or profession specific experience. Additionally, the candidate also needs access to asimulation laboratory/clinic where they will have the opportunity to conduct and participate in simulated activities. This may include conducting and participating in formal and non-formal simulation activities. Applicants would need to have access to hardware required to successfully navigate the online nature of the programme. This includes a laptop, tablet or desktop computer with suitable word processing applications and an internet connection. The use of Recognition of Prior Learning for access onto the programme will be considered provided this is in-line with the overall enrolment plan, related UJ and Council on Higher Education policies and procedures. International applicants will be assisted with application for the programme once a South African Qualifications Authority (SAQA) equivalency for their existing qualifications, is established.

HS4.5.4 Selection criteria

Once the minimum admission requirements are in place, applicants will apply via the UJ website. Once applications have been received by the Department, selection will be based on the candidates' prior experience and qualification. Experience in health professions education would be advantageous. The selection will further be guided by the enrolment strategy of the Department and the Faculty.

HS4.5.5 Pass requirements

- 1. Students retain credits for all modules passed.
- 2. Students must pass all components of the module(s) to obtain credit for the module(s).
- 3. Students may graduate once they have passed all the modules.
- 4. Students must pass a minimum of 50% of the modules to qualify for readmission to the programme.
- 5. Students may not register for the same module for a third time without permission from the Head of Department and Executive Dean of the Faculty.
- 6. Students have a maximum of two years full-time and three years part-time to complete the qualification.
- 7. A range of assessment strategies and weightings, as laid out in the relevant module's learning guide, explains the continuous assessment criteria specified for promotion to the next year of study.

Curriculum

| First year | | | | |
|---|-------------|-------------------|--|--|
| Module name | Module code | Prerequisite code | | |
| Semester one | | | | |
| Adult Learning and Simulation Pedagogy | ASP01AO | | | |
| Introduction to Clinical Simulation ITS01AO | | | | |
| Semester two | • | -1 | | |

| Clinical Simulation and Instructional Design | CSD01BO | | | | | |
|--|-------------|--|--|--|--|--|
| Simulation Technologies and Modalities | STM01BO | | | | | |
| Second year | Second year | | | | | |
| Semester one | | | | | | |
| Facilities and Resource Management | FRM01AO | | | | | |
| Simulation and Research | SIR01AO | | | | | |
| Year Module | | | | | | |
| Simulation Practices | SIP01YO | | | | | |

HS4.6 MASTER OF EMERGENCY MEDICAL CARE (M9E01Q)

Duration of programme
Part-time: Minimum 1 year and Maximum 3 years
NQF Level 9, 180 Credits
Research dissertation 100%

HS4.6.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:

- Perform independent scientific research with an original component
- Contribute to knowledge of and insight into emergency medical care as well as the specific discipline of research
- Display skills in related research methodologies and in proper formulation through a master's dissertation
- Reflect upon decision-making, self-directedness and contributions to medical science.

HS4.6.2 Outcomes

The student will be able to:

- Identify, formulate, prepare and solve research problems.
- Execute the research project at the appropriate level.
- Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
- Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
- Report research findings at the appropriate level.
- Make conclusions, suggestions and recommendations based on the data collected that are reasonable and justifiable.

HS4.6.3 Rules of access and admission requirements

A 4-year Bachelor's Degree in Emergency Medical Care or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the

Faculty Board. Applications from persons with a BTech degree in Emergency Medical Care or equivalent qualifications will be considered by a constituted status committee in line with the Universities and Faculties regulations.

Selection criteria

Selection will be based on:

- Consideration of a research concept note
- Structured personal interview

The selection and allocation of postgraduate students depends on the availability of supervisors.

HS4.6.4 Pass requirements

Students are assessed via submission of a dissertation in line with the Senate Higher Degrees Policy of the University.

HS4.6.5 Curriculum

A research project and a dissertation. The research component is 100%.

| Module name | Module code | | | |
|---|-------------|--|--|--|
| Semester one | | | | |
| Research Dissertation: Emergency Medical Care | EMC9X01 | | | |
| Semester two | | | | |
| Research Dissertation: Emergency Medical Care | EMC9X02 | | | |

HS4.7 PhD HEALTH SCIENCES: EMERGENCY MEDICAL CARE(P9H16Q)

Duration of programme

Part-time: Minimum 2 years and Maximum 5 years

NQF level 10, 360 Credits Research thesis 100%

HS4.7.1 Purpose

The purpose of the Doctor of Philosophy: Emergency Medical Care Degree is to promote the career advancement of graduates in the field of emergency medical care by enabling students to conduct independent, novel research in emergency medical care

This Doctoral Degree aims to provide members of the profession an opportunity to conduct independent original research through scientific discourse and independent investigation contributing to the development of the field of emergency medical care. The outcome of this field-specific Doctoral Degree is a comprehensive and systematic grasp of an in-depth body of knowledge in the field of emergency medical care with the development of specialist expert knowledge, thereby contributing to evidence based professional practice.

HS4.7.2 Outcomes

Demonstrate a systematic understanding of the field of Emergency Medical Care and a mastery of the skills and methods of research associated with the field of Emergency Medical Care. Demonstrate the ability to conceive, design and implement research with scholarly integrity. Make a contribution through original research that extends the frontier of knowledge by developing a substantial body of work in an area of Emergency Medical Care, some of which merits national or international refereed publication.

HS4.7.3 Rules of access and admission requirements

Prior learning

It is assumed that the student has specialist knowledge in research methodology and:

- Is knowledgeable about ethical considerations in relation to research in EmergencyMedical Care.
- Is competent in research proposal writing.
- Is competent in report writing and dissemination.
- Has expertise in the area to be investigated.

Access to the Qualification

An appropriate Master's Degree in the field of Emergency Medical Care and Rescue is required. Alternatively, conferment of status may be granted through an internal evaluation process in alignment with institutional policies.

Applications from persons with an M Tech degree in Emergency Medical Care or equivalent qualifications will be considered by a constituted status committee in line with the Universities and Faculties regulations.

Selection criteria

The selection of Doctoral students will be done in accordance with rules and regulations of the Higher Degrees Committee of the University of Johannesburg as stipulated for

inter-disciplinary programmes:

Selection will be based on;

- Consideration of a research concept note
- Structured personal interview

The selection and allocation of postgraduate students depends on the available.

HS4.7.4 Pass requirements

The final outcome of a thesis which is ratified in accordance with the post graduate policy approved by the Senate. The results are considered by the Faculty Higher Degrees Committee for approval, sent to Faculty Board for ratification and then to Senate Higher Degrees Committee for noting in accordance with the University's Higher Degrees and Postgraduate Studies Policy.

It is expected of the student, in collaboration with the supervisor, to submit a journal article for publication in accordance with UJ policy and procedures.

HS4.7.5 Curriculum

A research thesis. The research component is 100%.

| Module name | Module code | | | |
|--|------------------|--|--|--|
| Semester one | | | | |
| Research Project and Thesis: Health S (Emergency Medical Care) | REM10X1 | | | |
| Semester two | | | | |
| Research Project and Thesis: Health S (Emergency Medical Care) | Sciences REM10X2 | | | |

HS5.0 DEPARTMENT OF ENVIRONMENTAL HEALTH

HS5.1 BACHELOR OF ENVIRONMENTAL HEALTH (B9ENV1)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

HS5.1.1 Purpose

The purpose of the BEH programme is to produce graduates who have a systematic and coherent body of knowledge to apply principles and practices of Environmental Health; the ability to access and evaluate scientific information and have a high level of analytical, cognitive and generic skills; To provide graduates opportunities for continued personal intellectual growth, advancing with postgraduate study, contributing to the social upliftment of society constructively; To provide society with graduates who demonstrate initiative and responsibility; be involve in science and research development; to transform the leadership base in South Africa and conduct themselves in a professional and ethical manner both in the workplace and society as required by the HPCSA.

HS5.1.2 Outcomes

- Integrate and apply foundational, scientific principles and knowledge to Environmental Health sciences. [Range of scientific principles and knowledge includes, but is not limited to Chemistry, Microbiology, Physics, Mathematics, Ecology/Geology, Anatomy and Physiology (human and animal), Sociology and Anthropology;
- Manage Environmental Health programmes that are not limited to environmental health risks, health impact assessments but rather on the prevention, promotion within natural, socio-economic, built and working environments within the scope of the profession. [Range: manage refers to: design, develop, implement and evaluate];
- 3. Demonstrate project management skills within a project management life-cycle;
- 4. Conduct and participate in Environmental Health research.
- 5. Demonstrate interpersonal relations and professional behavior in terms of the ethical code.

HS5.1.3 Rules of access and admission requirements

- 1. The admission requirements for this programme will adhere to the University of Johannesburg's Policy for Admission and Selection, which is current at the time of the inception of this programme.
- 2. A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Faculty Status Committee, with the following Subjects:

Mathematics at NQF Level 4: NSC achievement rating of (50-59%) Life Sciences at NQF Level 4: NSC achievement rating of (50-59%) Physical Science at NQF Level 4: NSC achievement rating of (50-59%). Any other two (2) subjects at level 4.

A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

(Circlude Life Orientation when calculating APS)

| (Exc | (Exclude Life Orientation when calculating APS) | | | | | |
|------------|---|--|-------------|--------------------------|----------------------|---------------|
| Missississ | APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences |
| | 24 | 4 | 4 | Not accepted | 4 | 4 |

HS5.1.4 Curriculum

| First year | | |
|--------------------------------------|-------------|--------------------|
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Biochemistry | BICH1A1 | |
| Sociology 1A | SOC1AA1 | |
| Sustainability Development & Ecology | SDEEH01 | |
| Introduction to Environmental Health | ITENV01 | |
| Computer Literacy | CSL01A1 | |
| Year modules | | |
| Chemistry | CETH1Y1 | |
| Physics | PHBH1Y1 | |
| Anatomy & Physiology | APENV01 | |
| Microbiology | MCBH1Y1 | |
| Applied Communications Skills | COM1001 | |
| Second year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Research Methodology: Module A | RMENVA2 | SOC1AA1 CSL01A1 |
| Year modules | | |
| Planning for Built Environment | PFBEE02 | SDEEH01 |
| Food and Meat Hygiene | FMHEEH0 | APENV01 MCBH1Y1 |

| | T | |
|--|-------------|-------------------------------|
| Infectious Disease Epidemiology | IDEEH02 | MCBH1Y1 |
| Community Development 1 | CDENV02 | COM1001 SOC1AA1 |
| Environmental Pollution: Water, Waste and Air | EPWWA02 | SDEEH01 ITENV01 |
| Occupational Health and Safety: Physical Stress | OHSPS02 | CETH1Y1 PHBH1Y1 APENV01 |
| Third year | | |
| Module name | Module code | Prerequisite code |
| Semester One | | |
| Research Methodology: Biostatistics | RMBEHB3 | RMENVA2 |
| Year Modules | | |
| Environmental Epidemiology | EEENV03 | IDEEH02 |
| Environmental Health Management and Administration | EHMAA03 | CDENV02 |
| Food Processing and Safety | FPSEH03 | FMHEEH0 |
| Occupational Health and Safety: Chemical / Biological | OHSCB03 | OHSPS02 |
| Water Quality and Waste Management | WQAWM03 | EPWWA02 |
| Fourth year | | • |
| Module name | Module code | Prerequisite code |
| Year Modules | | |
| Air Quality Management | AQMEH04 | WQAWM03 |
| Disaster Management | DMENV04 | FPSEH03 EEENV03 |
| Management Practice | MPENV04 | EHMAA03 |
| Environmental Management (NEMA & EMI) | EMNME04 | OHSCB03 WQAWM03 |
| Food Safety Management | FSMEH04 | |
| Occupational Health and Safety: Management Systems | OHSMS04 | OHSCB03 |
| Research Project | RPENV04 | RMBEHB3 |
| Water Quality and Waste Management | WQAWM04 | WQAWM03 |

HS5.2 MASTER OF HEALTH SCIENCES: ENVIRONMENTAL HEALTH (M9EH1Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF level 9

Research dissertation 100%

HS5.2.1 Purpose

To provide students with the knowledge and skills to conduct independent research through advanced scientific problem solving skills, and the application of critical and reflective thinking in the field of Environmental Health. The qualification is intended for persons who will contribute to knowledge generation through independent research to develop and advance the profession of Environmental Health.

HS5.2.2 Outcomes

On completion of these programme the student will be able to apply scientific research, problem-solving, analytical, critical thinking and reflective skills to perform research and compile a research dissertation in a chosen field of specialisation within Environmental Health.

HS5.2.3 Rules of access and admission requirements

A Bachelor's Degree in Environmental Health at NQF level 8 with an average of 65% or an equivalent qualification at an equivalent standard as determined by the Departmental Research Committee and approved by the Faculty Board. Submission of a draft proposal to the Departmental Research Committee and approval thereof is required in addition to the online application. The selection and allocation of postgraduate students depends on the availability of supervisors.

Selection criteria

Selection is based on approval by the Departmental Research Committee.

HS5.2.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS5.2.5 Curriculum

A research project and a dissertation:

| Module name | Module code | | |
|---|-------------|--|--|
| Semester one | | | |
| Research Project and Dissertation: Health Sciences (Environmental Health) | | | |
| Semester two | | | |
| Research Project and Dissertation: Health Sciences (Environmental Health) | DEH9XB1 | | |

HS5.3 MASTER OF PUBLIC HEALTH (M9EN3C)

Online Programme
Duration of programme
E-Learning: Minimum 2 years and maximum 3 years
NQF Level 9, 180 Credits
Course work 70% and minor dissertation 30%

HS5.3.1 Purpose

The purpose of the programme is to qualify health professionals who at the end of the programme will have been empowered to analyse, strategize and offer solutions to challenges faced by Sub-Saharan countries including South Africa with respects to Environmental and Occupational threats and risks.

HS5.3.2 Outcomes

On completion of this programme students will be able to:

- 1. Contextualise Public Health within the region and relevant countries' health systems, with specific focus on environmental and occupational health.
- 2. Conduct health risk assessments and to enumerate, understand, mitigate and manage these risks.
- 3. Develop relevant epidemiology and research methodologies for local, regional environmental and occupational health risks.
- 4. Develop a knowledge of related health economies.
- 5. Unpack environmental and occupational disasters that have local and regional relevance as learning opportunities in primary, secondary and tertiary prevention situations.
- 6. Take strategic decisions within the context of environmental and occupational health domains.

HS5.3.3 Rules of access and admission requirements

The minimum admission requirement is a Bachelor's Degree at NQF 8 in a related Health Field e.g Environmental Health, Epidemiology, MBChB, Social Work, Physiotherapy, Nursing and other related equivalent qualification. Three to five years' work experience in the Health sector inclusive of management position, research and/or project management. Applications from persons with equivalent qualifications will be considered by a constituted status committee in line with the University's and Faculty's regulations.

Selection criteria

Selection is based on approval by the Faculty and programme co-ordinator. The selection of Master's students will be done in accordance with rules and regulations of the Higher Degrees Committee of the University of Johannesburg as stipulated for interdisciplinary programmes.

HS5.3.4 Pass requirements

Successful completion of the course work modules and minor dissertation. The MPH will only be offered on a part time basis over 2 years minimum and 3 years maximum.

HS5.3.5 Curriculum

| First year | | | | |
|---|----------------|--|--|--|
| Module name | Module Code | Prerequisite code / Exposure module | | |
| Principle and Practice of Environmental Health A | PPECAC1 | | | |
| Principle and Practice of Environmental Health B | PPECBC1 | PPECAC1 (pre-requisite) | | |
| Environmental Epidemiology, Biostatistics and Research Methodologies A | EEBCAC1 | PPECAC1 (pre-requisite) | | |
| Environmental Epidemiology, Biostatistics and Research Methodologies B | EEBCBC1 | PPECAC1 (exposure module) EEBCAC1 (exposure module) | | |
| Health Promotion and Health Behavior | HPBC2C1 | PPECAC1 (exposure module) | | |
| Environmental Health Risk and Impact Assessment | EHRC2C1 | PPECAC1 (exposure module) | | |
| Emerging National and Continental Environmental Health Challenges | ENCC2C1 | PPECAC1 (exposure module) | | |
| African Health System, Health and Environmental Politics and Management | AHSC2C2 | PPECAC1 (exposure module) | | |
| Health Systems, Funding Modules and Health Economics | HSFC2C2 | PPECAC1 (exposure module) | | |
| Minor-Dissertation: A | EMDCAC2 | PPECBC1 (pre-requisite) EEBCAC1 (pre-requisite) | | |
| Minor-Dissertation: B | EMDCBC2 | EMDCAC2 (pre-requisite) | | |
| Minor-Dissertation: C | EMDCCC2 | EMDCBC2 (pre-requisite) | | |
| Minor-Dissertation: D | EMDCDC2 | EMDCCC2 (pre-requisite) | | |
| Minor-Dissertation: E | EMDCEC2 | EMDCDC2 (pre-requisite) | | |
| Minor-Dissertation: F | EMDCFC2 | EMDCEC2 (pre-requisite) | | |

| Minor Disportation: C | EMDCGC2 | EMDCFC2 (pre-requisite) |
|-----------------------|----------|----------------------------|
| Minor-Dissertation: G | LINDCGCZ | EEBCBC1 (pre-requisite) |
| Minor-Dissertation: H | EMDCHC2 | EMDCGC2 (pre-requisite) |
| Minor-Dissertation: I | EMDCIC2 | EMDCHC2 (pre-requisite) |

HS5.4 PhD HEALTH SCIENCES: ENVIRONMENTAL HEALTH(P9HS3Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years

NQF level 10, 360 Credits Research thesis 100%

HS5.4.1 Purpose

The purpose of this qualification is to provide qualifying students with analytical specific problem solving and reflective competencies at an advanced academic level culminating in the production of a thesis in the field of Environmental Health.

HS5.4.2 Outcomes

- 1. The student will be able to apply high-level critical thinking, reflective and research skills in order to perform research in the specialised area of Environmental Health.
- 2. The student will be able to conceptualise new research initiatives and new knowledge in the field of Environmental Health.

HS5.4.3 Rules of access and admission requirements

A Master's degree with an average of 65% in Environmental Health or an equivalent qualification at an equivalent standard as determined by the Departmental Research Committee and approved by the Faculty Board. Submission of a draft proposal to Departmental Research Committee and approval thereof is required in addition to the online application. The selection and allocation of postgraduate students depends on the availability of supervisors.

Selection criteria

Selection is based on academic merit and on approval by the Departmental Research Committee

HS5.4.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS5.4.5 Curriculum

A research thesis. The research component is 100%.

| Module name | Module code | | | |
|---|-------------|--|--|--|
| Semester one | | | | |
| Research Project and Thesis: Health Sciences (Environmental Health) | REH10X1 | | | |
| Semester two | | | | |
| Research Project and Thesis: Health Sciences (Environmental Health) | REH10X2 | | | |

HS5.5 PhD HEALTH SCIENCES: PUBLIC HEALTH (P9HS6Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years NQF level 10, 360 Credits

Research thesis 100%

HS5.5.1 Purpose

The purpose of this qualification is to provide qualifying students with advanced analytical, problem solving and reflective competencies as specialist in Public Health culminating in the production of a thesis and publications in Public Health.

HS5.5.2 Outcomes

- 1. The student will be able to apply high-level critical thinking, reflective and research skills in order to perform research in the specialised area of Environmental Health.
- 2. The student will be able to make an original contribution to the knowledge content of the discipline of Public Health through independent research.

HS5.5.3 Rules of access and admission requirements

A Master's Degree with an average of 65% in Public Health or an equivalent qualification at an equivalent standard as determined by the Departmental Research Committee and approved by the Faculty Board. Submission of a draft proposal to Departmental Research Committee and approval thereof is required in addition to the online application. The selection and allocation of postgraduate students depends on the availability of supervisors.

Selection criteria

Selection is based on academic merit and on approval by the Departmental Research Committee.

HS5.5.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg

HS5.5.5 Curriculum

A research thesis. The research component is 100%.

| Module name | Module code | |
|--|-------------|--|
| Semester one | | |
| Research Project and Thesis: Health Sciences (Public Health) | | |
| Semester two | | |
| Research Project and Thesis: Health Sciences (Public Health) | RPH10X2 | |

HS6.0 DEPARTMENT OF HUMAN ANATOMY AND PHYSIOLOGY

HS6.1 MASTER OF HEALTH SCIENCES: HUMAN PHYSIOLOGY (M9HA1Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF level 9; 180 Credits Research thesis 100%

HS6.1.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to perform independent scientific research and contribute to the knowledge of and in Human Physiology through the specific discipline of research.

HS6.1.2 Outcomes

At the end of the qualification, the student will be able to:

- 1. Reflect upon, identify, formulate, prepare and solve research problems related to Human Physiology.
- 2. Execute a research project at the appropriate level by applying related research methodologies and in the proper formulation and submission of a Master's dissertation.
- 3. Acquire learning research competencies and abilities including the critical assessment of scientific literature, the execution of research methodologies including data gathering, its evaluation and reporting and the reasonable and justifiable argument of conclusions and future research recommendations based on the research project undertaken.

HS6.1.3 Rules of access and admission requirements

An Honours qualification in Human Physiology (NQF Level 8) or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

Selection criteria

Selection will be based on:

- Consideration of a draft proposal after discussion with a potential identified supervisor
- Prior academic performance.

HS6.1.4 Pass requirements

Students are assessed via submission of a dissertation in line with the Senate Higher Degrees Policy and Postgraduate Administration Processes Policies of the University.

HS6.1.5 Curriculum

A research project and a thesis:

| Module name | Module code |
|---|-------------|
| Semester one | |
| Research Project and Dissertation: Health Sciences (Human Physiology) | DHA9XA1 |
| Semester two | • |
| Research Project and Dissertation: Health Sciences (Human Physiology) | DHA9XB1 |

HS6.2 MASTER OF HEALTH SCIENCES: HUMAN ANATOMY (M9AT1Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF level 9; 180 Credits Research thesis 100%

HS6.2.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to perform independent scientific research and contribute to the knowledge of and in Human Anatomy through the specific discipline of research.

HS6.2.2 Outcomes

At the end of the qualification, the student will be able to:

- 1. Reflect upon, identify, formulate, prepare and solve research problems related to Human Anatomy.
- 2. Execute a research project at the appropriate level by applying related research methodologies and in the proper formulation and submission of a Master's dissertation
- Acquire learning research competencies and abilities including the critical assessment of scientific literature, the execution of research methodologies including data gathering, its evaluation and reporting and the reasonable and justifiable argument of conclusions and future research recommendations based on the research project undertaken.

HS6.2.3 Rules of access and admission requirements

An honours qualification in Human Anatomy (NQF Level 8) or an equivalent qualification at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

Selection criteria

Selection will be based on:

- Consideration of a draft proposal after discussion with a potential identified supervisor
- Prior academic performance.

HS6.2.4 Pass requirements

Students are assessed via submission of a dissertation in line with the Senate Higher Degrees Policy and Postgraduate Administration Processes Policies of the University

HS6.2.5 Curriculum

A research project and a thesis:

| Module name | Module code |
|---|-------------|
| Semester one | |
| Research Project and Dissertation: Health Sciences (Human Anatomy) DAT9XA1 | |
| Semester two | • |
| Research Project and Dissertation: Health Sciences (Human Anatomy) | DAT9XB1 |

HS6.3 PhD HEALTH SCIENCES: HUMAN PHYSIOLOGY(P9H15Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years

NQF level 10, 360 Credits Research thesis 100%

HS6.3.1 Purpose

The primary purpose of this qualification is to provide the qualifying student with advanced critical, analytical, problem-solving and reflective competencies in order to make an original, novel contribution to the knowledge content of the Human Physiology through independent research.

HS6.3.2 Outcomes

At the end of the qualification, candidates should:

- 1. Have a thorough knowledge of the literature and a comprehensive understanding of the scientific techniques applicable to their research.
- 2. Be able to critically evaluate current research and implement current research techniques.
- 3. Be able to act autonomously in the creation, implementation and interpretation of research in their field.

HS6.3.3 Rules of access and admission requirements

The minimum admission requirement is the possession of an MSc in Human Physiology with a programme specific minimum level of competency on NQF Level 9, generating a minimum of 180 credits.

HS6.2.4 Pass requirements

- 1. Students are assessed via submission of a thesis in line with the Senate Higher Degrees Policy and Postgraduate Administration Processes Policies of the University.
- 2. The doctoral examination will be written and will deal with the content of a submitted thesis, as well as those subdivisions of the field of study on which the thesis is based, if requested.

3. It is expected of the candidate, in collaboration with the supervisor, to have prepared for publication two (2) manuscripts in a ready to submit format, in accordance with UJ policy and procedures.

HS6.2.5 Curriculum

A research project and a thesis:

| Module name | Module code | |
|---|-------------|--|
| Semester one | | |
| Research Project and Thesis: Health Sciences (Human Physiology) | | |
| Semester two | | |
| Research Project and Thesis: Health Sciences (Human Physiology) | RHP10X2 | |

HS6.4 PhD HEALTH SCIENCES: HUMAN ANATOMY(P9HS9Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years

NQF level 10, 360 Credits Research thesis 100%

HS6.4.1 Purpose

The primary purpose of this qualification is to provide the qualifying student with advanced critical, analytical, problem-solving and reflective competencies in order to make an original, novel contribution to the knowledge content of the Human Anatomy through independent research.

HS6.4.2 Outcomes

At the end of the qualification, candidates should:

- 1. Have a thorough knowledge of the literature and a comprehensive understanding of the scientific techniques applicable to their research.
- 2. Be able to critically evaluate current research and implement current research techniques.
- 3. Be able to act autonomously in the creation, implementation and interpretation of research in their field.

HS6.4.3 Rules of access and admission requirements

The minimum admission requirement is the possession of an MSc in Human Anatomy with a programme specific minimum level of competency on NQF Level 9, generating a minimum of 180 credits.

HS6.4.4 Pass requirements

- 1. Students are assessed via submission of a thesis in line with the Senate Higher Degrees Policy and Postgraduate Administration Processes Policies of the University.
- 2. The doctoral examination will be written and will deal with the content of a submitted thesis, as well as those subdivisions of the field of study on which the thesis is based, if requested.
- 3. It is expected of the candidate, in collaboration with the supervisor, to have prepared

for publication two (2) manuscripts in a ready to submit format, in accordance with UJ policy and procedures.

HS6.4.5 Curriculum

A research project and a thesis:

| Module name | Module code |
|--|-------------|
| Semester one | |
| Research Project and Thesis: Health Sciences (Human Anatomy) | |
| Semester two | |
| Research Project and Thesis: Health Sciences (Human Anatomy) | RHA10X2 |

HS7.0 <u>DEPARTMENT OF MEDICAL IMAGING AND RADIATION SCIENCES (MIRS)</u>

HS7.1 BACHELOR OF DIAGNOSTIC RADIOGRAPHY (B9M01Q)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

Work integrated learning (WIL) is incorporated into the employment contract with the respective clinical training centre.

HS7.1.1 Purpose

The purpose of this qualification is to develop a competent professional, who has thorough grounding in the knowledge and skills required for Diagnostic Radiography and who has gained experience in applying such knowledge and skills in accredited workplaces.

Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa (HPCSA) as a Diagnostic Radiographer.

HS7.1.2 Outcomes

After completion of the programme, the student will be able to:

- 1. Perform routine and specialized radiographic procedures to produce images of diagnostic quality.
- 2. Access, organize and present information applicable to the radiography context in order to record, retrieve and communicate patient data.
- 3. Evaluate the quality of routine and specialized radiographic images and perform image interpretation to identify normal and abnormal appearances.
- 4. Plan, develop and apply total quality management appropriate to the diagnostic radiography context.
- Perform safe and effective patient care in accordance with the patient's needs and departmental protocol to provide a quality service and to maintain the welfare of the patient.
- 6. Apply the principles of human rights, ethics and relevant medical law which ensure the well-being of the patient.
- 7. Apply the principles, specific knowledge, skills and values related to one of the chosen electives as listed.
- 8. Conduct research.

HS7.1.3 Rules of access and admission requirements

A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Faculty Status Committee, with the following Subjects:

- Mathematics with a Higher Grade D or Standard Grade C symbol.
- Physical Science with a Higher Grade D or Standard Grade C symbol.
- Biology with a Higher Grade C or Standard Grade B symbol or,
- Physiology with a Higher Grade C or Standard Grade B symbol.

A National Senior Certificate - APS Score with minimum requirements as shown below:

(Exclude Life Orientation when calculating APS)

| , | | | | / | |
|----------------|--|-------------|--------------------------|----------------------|---------------|
| Minimum APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences |
| 31 | 5 | 4 | Not accepted | 4 | 5 |

Selection criteria

Selection will be based on:

- Academic merits;
- Clinical placement in a Health Professional Council of South Africa accredited clinical training site.

HS7.1.4 Pass requirements

- 1. Students retain credits for all modules passed except where requirement 2 applies;
- If a student fails any module in any level of study, he/she forfeits the credits for the Diagnostic Clinical Practice Module for that level of study but retain credits for all other modules passed.
- 3. Students may enrol for a module in the following year of study provided that they have passed the prerequisite module/s.
- 4. Students may not register for module combinations that lead to timetable clashes. The Department will make the final decision as to the modules for which the student may register.
- 5. Students are promoted:
 - 5.1 to the second year of study if they have passed all the first-year modules.
 - 5.2 to the third year of study if they have passed all the second-year modules.
 - 5.3 to the fourth year of study if they have passed all the third-year modules.
- 6. To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of study.
- 7. Students must pass at least 3 out of the 7 modules in the first year of study in order to qualify for readmission to the first year of study.
- 8. A range of assessment strategies and weightings, as laid out in the relevant module's learning guide, explains the continuous assessment criteria specified for promotion to the next year of study.

HS7.1.5 Specific rules and regulations for Medical Imaging and Radiation Sciences students

1. Students must familiarize themselves with the internal rules and regulations of the

- Department of Medical Imaging and Radiation Sciences. These rules and regulations, as set out in the Departmental policy document, are binding.
- 2. The programme is not offered as a limited contact or distance learning programme. Students who elect to leave the country will be unable to continue with their studies.
- 3. All students are required to complete a minimum number of clinical hours / competencies as stipulated by the HPCSA at the time.

HS7.1.6 Curriculum

All modules are Continuous Evaluation modules.

| First year | | | |
|--|-------------------|--------------------|--|
| Module name | Prerequisite code | | |
| Year Modules | See Admission | | |
| Anatomy and Physiology 1 | ANP01Y1 | requirements | |
| Applied Physics | APP01Y1 | | |
| Diagnostic Clinical Practice 1 | DCP01Y1 | | |
| Diagnostic Practice 1 | DIP01Y1 | | |
| Imaging Technology 1 | IMT01Y1 | | |
| Professional Practice | PRP01Y1 | | |
| Pathology | PTY01Y1 | | |
| Second year | | · | |
| Module name | Module code | Prerequisite code | |
| Year modules | | | |
| Anatomy and Physiology 2 | ANP01Y2 | ANP01Y1 PTY01Y1 | |
| Diagnostic Clinical Practice 2 | ice 2 DCP01Y2 | | |
| Diagnostic Practice 2 | DIP01Y2 | | |
| Imaging Technology 2 | IMT01Y2 | IMT01Y1 APP01Y1 | |
| Professional Practice and Research Principles PRR01Y | | PRP01Y1 | |
| Third year | | | |
| Module name | Module code | Prerequisite code | |
| Year Modules | | | |
| Diagnostic Clinical Practice 3 | DCP01Y3 | DIP01Y2 DCP01Y2 | |

| DIP01Y3 | DIP01Y2 DCP01Y2 |
|-------------|--|
| MPP01Y3 | |
| REM01Y3 | PRR01Y2 |
| SDP01Y3 | DIP01Y2 DCP01Y2 |
| | |
| Module code | Prerequisite code |
| | |
| DCP01Y4 | DIP01Y3 DCP01Y3 |
| DIP01Y4 | DIP01Y3 DCP01Y3 |
| RGM01Y4 | MPP01Y3 |
| RPR01Y4 | REM01Y3 |
| SDP01Y4 | SDP01Y3 DIP01Y3 DCP01Y3 |
| lules | |
| EIH01Y4 | SDP01Y3 DIP01Y3 DCP01Y3 |
| | |
| IMT01Y4 | SDP01Y3 DIP01Y3 DCP01Y3 |
| | MPP01Y3 REM01Y3 SDP01Y3 Module code DCP01Y4 DIP01Y4 RGM01Y4 RPR01Y4 SDP01Y4 SDP01Y4 SIULES EIH01Y4 |

HS7.2 BACHELOR OF DIAGNOSTIC ULTRASOUND (B9M03Q)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

Work integrated learning (WIL) is incorporated into the employment contract with the respective clinical training centre.

HS7.2.1 Purpose

The purpose of the qualification is to develop a competent professional, who has a thorough knowledge and the skills required for the profession of Diagnostic Ultrasound and who has gained experience in applying such knowledge and skills in accredited workplaces. Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa (HPCSA) as a Sonographer.

HS7.2.2 Outcomes

After completion of the programme, the student will be able to:

- 1. Demonstrate the knowledge of natural and life sciences and pathology that enables application in the clinical field.
- 2. Assess and perform patient care in a manner which ensures that the patient's welfare is maintained.
- 3. Apply the principles of human rights, ethics and medical law which ensure the well-being of the patient.
- 4. Perform the sonographic protocols and procedures to produce optimum quality images in the specified areas of diagnostic ultrasound.
- 5. Critically assess the sonographic images and apply pattern recognition to determine aberrant appearances in keeping with pathology.
- 6. Apply the ultrasound specific measures which ensure that the health and safety of patients, self and colleagues are maintained.
- 7. Plan, develop and apply total quality management appropriate to the sonographic context.
- 8. Demonstrate research skills and foster a research climate in Ultrasound imaging.

HS7.2.3 Rules of access and admission requirements

A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Faculty Status Committee, with the following Subjects:

- Mathematics with a Higher Grade D or Standard Grade C symbol.
- Physical Science with a Higher Grade D or Standard Grade C symbol and
- Biology with a Higher Grade C or Standard Grade B symbol or
- Physiology with a Higher Grade C or Standard Grade B symbol.

A National Senior Certificate - APS Score with minimum requirements as shown below: (Exclude Life Orientation when calculating APS)

| Minimum APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences |
|----------------|--|-------------|--------------------------|----------------------|---------------|
| 31 | 5 | 4 | Not accepted | 4 | 5 |

Selection criteria

Selection will be based on:

- Academic merits.
- Clinical placement in a Health Professional Council of South Africa accredited clinical training site.

HS7.2.4 Pass requirements

- 1. Students retain credits for all modules passed except where requirement 2 applies;
- 2. If a student fails any module in any level of study, he/she forfeits the credits for the Diagnostic Ultrasound Clinical Practice Module for that level of study but retain credits for all other modules passed.
- 3. Students may enrol for a module in the following year of study provided that they have passed the prerequisite module/s.
- 4. Students may not register for module combinations that lead to timetable clashes. The Department will make the final decision as to the modules for which the student may register.
- 5. Students are promoted:
 - 5.1 to the second year of study if they have passed all the first-year modules.
 - 5.2 to the third year of study if they have passed all the second-year modules.
 - 5.3 to the fourth year of study if they have passed all the third-year modules.
- 6. To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of study.
- 7. Students must pass at least 3 out of the 7 modules in the first year of study in order to qualify for readmission to the first year of study.
- 8. A range of assessment strategies and weightings, as laid out in the relevant module's learning guide, explains the continuous assessment criteria specified for promotion to the next year of study.

HS7.2.5 Specific rules and regulations for Medical Imaging and Radiation Sciences students

- 1. Students must familiarize themselves with the internal rules and regulations of the Department of Medical Imaging and Radiation Sciences. These rules and regulations, as set out in the Departmental policy document, are binding.
- 2. The programme is not offered as a limited contact or distance learning programme. Students who elect to leave the country will be unable to continue with their studies.
- 3. All students are required to complete a minimum number of clinical hours / competencies as stipulated by the HPCSA at the time.

HS7.2.6 Curriculum

All modules are Continuous Evaluation modules.

| First year | | |
|--------------------------|-------------|-------------------|
| Module name | Module code | Prerequisite code |
| Year Modules | | See Admission |
| Anatomy and Physiology 1 | ANP01Y1 | requirements |
| Applied Physics | APP01Y1 | |
| Imaging Technology 1 | IMT02Y1 | |

| Professional Practice | PRP01Y1 | |
|--|-------------|-------------------------------|
| Pathology | PTY01Y1 | |
| Ultrasound Clinical Practice 1 | UCP01Y1 | |
| Ultrasound Practice 1 | USP01Y1 | |
| Second year | | |
| Module name | Module code | Prerequisite code |
| Year modules | | |
| Anatomy and Physiology 2 | ANP01Y2 | ANP01Y1 PTY01Y1 |
| Professional Practice and Research Principles | PRR01Y2 | PRP01Y1 USP01Y1 UCP01Y1 |
| Ultrasound Clinical Practice 2 | UCP01Y2 | USP01Y1 UCP01Y1 PRP01Y1 |
| Ultrasound Physics Instrumentation | UPI01Y2 | IMT02Y1 APP01Y1 |
| Ultrasound Practice 2 | USP01Y2 | USP01Y1 UCP01Y1 PRP01Y1 |
| Third year | | |
| Module name | Module code | Prerequisite code |
| Year Modules | | |
| Applied Psychology | APY01Y3 | PRR01Y2 |
| Management Principles and Practice | MPP01Y3 | |
| Research Methods | REM01Y3 | PRR01Y2 |
| Specialized Ultrasound | SUS01Y3 | USP01Y2 UPI01Y2 |
| Ultrasound Clinical Practice 3 | UCP01Y3 | USP01Y2 UCP01Y2 PRR01Y2 |
| Ultrasound Practice 3 | USP01Y3 | USP01Y2 UCP01Y2 PRR01Y2 |
| | l . | 1 |

| Fourth Year | | | | |
|--|-------------|-------------------------------|--|--|
| Module name | Module code | Prerequisite code | | |
| Year Modules | | | | |
| Radiographic Department Management Strategies | RGM01Y4 | MPP01Y3 | | |
| Research Project 4 | RPR01Y4 | REM01Y3 | | |
| Specialized Ultrasound | SUS01Y4 | USP01Y3 UCP01Y3 SUS01Y3 | | |
| Ultrasound Clinical Practice 4 | UCP01Y4 | USP01Y3 UCP01Y3 | | |
| Ultrasound Practice 4 | USP01Y4 | USP01Y3 UCP01Y3 | | |
| Choose one of the following elective mo | dules | ' | | |
| Education in Health | EIH01Y4 | USP01Y3 UCP01Y3 SUS01Y3 | | |
| OR | | | | |
| Imaging Informatics | IMT01Y4 | USP01Y3 UCP01Y3 SUS01Y3 | | |

HS7.3 BACHELOR OF NUCLEAR MEDICINE TECHNOLOGY (B9M02Q)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

Work integrated learning (WIL) is incorporated into the employment contract with the respective clinical training centre.

HS7.3.1 Purpose

The purpose of the qualification is to develop a competent professional nuclear medicine technologist who has thorough grounding in the knowledge and skills required for Nuclear Medicine Technology and who has gained experience in the application of such knowledge and skills in accredited workplaces.

Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa (HPCSA) as a Nuclear Medicine Technologist.

HS7.3.2 Outcomes

After completion of the programme, the student will be able to:

1. Apply principles of human rights, ethics and relevant medical law to ensure the well-

- being of the patient.
- 2. Perform a range of conventional and specialized nuclear medicine imaging procedures in order to facilitate diagnosis and treatment of the patient.
- 3. Operate and ensure quality functioning of all nuclear medicine instrumentation to provide the best diagnostic capability of the instruments.
- 4. Function in a type 'B' radiopharmacy laboratory to safely dispense radiopharmaceuticals for nuclear medicine imaging procedures.
- 5. Perform a range of in-vitro and in-vivo non-imaging nuclear medicine procedures in a type 'C' radiopharmacy laboratory.
- 6. Assure quality of all aspects of a nuclear medicine investigation and the service provided.
- 7. Plan, develop and apply total quality management appropriate to the nuclear medicine context.
- 8. Demonstrate research skills and foster a research climate in nuclear medicine.
- 9. Apply the principles, specific knowledge, skills and values related to the chosen elective subject.

HS7.3.3 Rules of access and admission requirements

A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Faculty Status Committee, with the following Subjects:

- Mathematics with a Higher Grade D or Standard Grade C symbol.
- Physical Science with a Higher Grade D or Standard Grade C symbol.
- Biology with a Higher Grade C or Standard Grade B symbol or,
- Physiology with a Higher Grade C or Standard Grade B symbol.

A National Senior Certificate - APS Score with minimum requirements as shown below:

| (Exclude Lif | <u>e Orientatio</u> | <u>on when calc</u> | culating APS | 3) | |
|----------------|--|---------------------|--------------------------|----------------------|---------------|
| Minimum APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences |
| 31 | 5 | 4 | Not accepted | 4 | 5 |

Selection criteria

Selection will be based on:

- · Academic merits.
- Clinical placement in a Health Professional Council of South Africa accredited clinical training site.

HS7.3.4 Pass requirements

- 1. Students retain credits for all modules passed except where requirement 2 applies;
- 2. If a student fails any module in any level of study, he/she forfeits the credits for the Nuclear Medicine Clinical Practice Module for that level of study but retain credits for all other modules passed.
- 3. Students may enrol for a module in the following year of study provided that they have passed the prerequisite module/s.
- 4. Students may not register for module combinations that lead to timetable clashes. The Department will make the final decision as to the modules for which the student may register.

- 5. Students are promoted:
 - 5.1 to the second year of study if they have passed all the first-year modules.
 - 5.2 to the third year of study if they have passed all the second-year modules.
 - 5.3 to the fourth year of study if they have passed all the third-year modules.
- 6. To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of study.
- 7. Students must pass at least 3 out of the 7 modules in the first year of study in order to qualify for readmission to the first year of study.
- 8. A range of assessment strategies and weightings, as laid out in the relevant module's learning guide, explains the continuous assessment criteria specified for promotion to the next year of study.

HS7.3.5 Specific rules and regulations for Medical Imaging and Radiation Sciences students

- 1. Students must familiarize themselves with the internal rules and regulations of the Department of Medical Imaging and Radiation Sciences. These rules and regulations, as set out in the Departmental policy document, are binding.
- 2. The programme is not offered as a limited contact or distance learning programme. Students who elect to leave the country will be unable to continue with their studies.
- 3. All students are required to complete a minimum number of clinical hours / competencies as stipulated by the HPCSA at the time.

HS7.3.6 Curriculum

All modules are Continuous Evaluation modules.

| - | | Prerequisite |
|--------------------------------------|-------------|-------------------------------|
| Module name | Module code | code |
| Year Modules | · | See Admission |
| Anatomy and Physiology 1 | ANP01Y1 | requirements |
| Applied Physics | APP01Y1 | |
| Nuclear Medicine Clinical Practice 1 | NCP01Y1 | |
| Nuclear Medicine Practice 1 | NMP01Y1 | |
| Professional Practice | PRP01Y1 | |
| Pathology | PTY01Y1 | |
| Radiopharmacy 1 | RPY01Y1 | |
| Second year | | |
| Module name | Module code | Prerequisite code |
| Year modules | | |
| Anatomy and Physiology 2 | ANP01Y2 | ANP01Y1 PTY01Y1 |
| Nuclear Medicine Clinical Practice 2 | NCP01Y2 | NMP01Y1 NCP01Y1 RPY01Y1 |

| Nuclear Medicine Instrumentation | NMI01Y2 | NMP01Y1 NCP01Y1 RPY01Y1 |
|--|-------------|-------------------------------|
| Nuclear Medicine Practice 2 | NMP01Y2 | NMP01Y1 NCP01Y1 RPY01Y1 |
| Professional Practice and Research Principles | PRR01Y2 | PRP01Y1 |
| Radiopharmacy 2 | RPY01Y2 | RPY01Y1 |
| Third year | | |
| Module name | Module code | Prerequisite code |
| Year Modules | | |
| Management Principles and Practice | MPP01Y3 | |
| Nuclear Medicine Clinical Practice 3 | NCP01Y3 | NMP01Y2 NCP01Y2 RPY01Y2 |
| Nuclear Medicine Practice 3 | NMP01Y3 | NMP01Y2 NCP01Y2 RPY01Y2 |
| Research Methods | REM01Y3 | PRR01Y2 |
| Radiopharmacy 3 | RPY01Y3 | RPY01Y2 NMI01Y2 |
| Therapeutics | THR01Y3 | RPY01Y2 NMI01Y2 |
| Fourth Year | · | |
| Module name | Module code | Prerequisite code |
| Year Modules | | |
| Nuclear Medicine Clinical Practice 4 | NCP01Y4 | NMP01Y3 NCP01Y3 RPY01Y3 |
| Nuclear Medicine Practice 4 | NMP01Y4 | NMP01Y3 NCP01Y3 RPY01Y3 |
| Radiographic Department Management Strategies | RGM01Y4 | MPP01Y3 |
| Research Project 4 | RPR01Y4 | REM01Y3 |
| Radiopharmacy 4 | RPY01Y4 | RPY01Y3 |

| Choose one of the following modules | | | | |
|---|---------|--------------------|--|--|
| Education in Health EIH01Y4 NMP01Y3 NCP01Y3 | | | | |
| OR | | | | |
| Imaging Informatics | IMT01Y4 | NMP01Y3 NCP01Y3 | | |

HS7.4 BACHELOR OF RADIATION THERAPY (B9M04Q)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

Work integrated learning (WIL) is incorporated into the employment contract with the respective clinical training centre.

HS7.4.1 Purpose

The purpose of the qualification is to develop a professional radiation therapist who is competent in the knowledge and skills required for Radiation Therapy and has gained experience in applying such knowledge and skills in accredited workplaces.

Successful completion of this qualification will entitle the student to register with the Health Professions Council of South Africa (HPCSA) as a Radiation Therapist.

HS7.4.2 Outcomes

After completion of the programme, the student will be able to:

- 1. Apply the principles of human rights, ethics and relevant medical law which ensure the well-being of the patient.
- 2. Demonstrate a critical understanding and application of quality assurance and radiation protection in a Radiation Therapy division.
- 3. Apply scientific knowledge and technical skills to perform radiation oncology laboratory techniques and procedures.
- 4. Perform radiotherapy procedures competently to ensure optimal radiation localization and immobilization for radiation treatment.
- 5. Perform radiotherapy procedures competently to ensure optimal treatment planning.
- 6. Apply scientific knowledge and professional skills to perform therapeutic procedures for accurate delivery of the radiation treatment prescribed.
- 7. Plan, develop and apply total quality management appropriate to the radiation therapy context.
- 8. Demonstrate research skills and foster a research climate in radiation therapy.
- 9. Apply the principles, specific knowledge, skills and values related to the chosen elective subject.

HS7.4.3 Rules of access and admission requirements

A Senior Certificate or an equivalent qualification at an equivalent standard as determined by a Faculty Status Committee, with the following Subjects:

- Mathematics with a Higher Grade D or Standard Grade C symbol.
- Physical Science with a Higher Grade D or Standard Grade C symbol.
- Biology with a Higher Grade C or Standard Grade B symbol or,
- Physiology with a Higher Grade C or Standard Grade B symbol.

A National Senior Certificate - APS Score with minimum requirements as shown below:

(Exclude Life Orientation when calculating APS)

| Minimum APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences |
|----------------|--|-------------|--------------------------|----------------------|---------------|
| 31 | 5 | 4 | Not accepted | 4 | 5 |

Selection criteria

Selection will be based on:

- Academic merits.
- Clinical placement in a Health Professional Council of South Africa accredited clinical training site.

HS7.4.4 Pass requirements

- 1. Students retain credits for all modules passed except where requirement 2 applies;
- 2. If a student fails any module in any level of study, he/she forfeits the credits for the Radiation Therapy Clinical Practice Module for that level of study but retain credits for all other modules passed.
- 3. Students may enrol for a module in the following year of study provided that they have passed the prerequisite module/s.
- 4. Students may not register for module combinations that lead to timetable clashes. The Department will make the final decision as to the modules for which the student may register.
- 5. Students are promoted:
 - 5.1 to the second year of study if they have passed all the first-year modules.
 - 5.2 to the third year of study if they have passed all the second-year modules.
 - 5.3 to the fourth year of study if they have passed all the third-year modules.
- 6. To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of study.
- 7. Students must pass at least 3 out of the 7 modules in the first year of study in order to qualify for readmission to the first year of study.
- 8. A range of assessment strategies and weightings, as laid out in the relevant module's learning guide, explains the continuous assessment criteria specified for promotion to the next year of study.

HS7.4.5 Specific rules and regulations for Medical Imaging and Radiation Sciences students

- 1. Students must familiarize themselves with the internal rules and regulations of the Department of Medical Imaging and Radiation Sciences. These rules and regulations, as set out in the Departmental policy document, are binding.
- 2. The programme is not offered as a limited contact or distance learning programme. Students who elect to leave the country will be unable to continue with their studies.
- 3. All students are required to complete a minimum number of clinical hours/competencies as stipulated by the HPCSA at the time.

HS7.4.6 Curriculum

All modules are Continuous Evaluation modules.

| Module code | Prerequisite code | | | |
|--------------|--|--|--|--|
| Year Modules | | | | |
| ANP01Y1 | requirements | | | |
| APP01Y1 | | | | |
| PRP01Y1 | | | | |
| PTY01Y1 | | | | |
| RTC01Y1 | | | | |
| RTP01Y1 | | | | |
| TPD01Y1 | | | | |
| | | | | |
| Module code | Prerequisite code | | | |
| | • | | | |
| ANP01Y2 | ANP01Y1 PTY01Y1 | | | |
| PRR01Y2 | PRP01Y1 | | | |
| RTC01Y2 | RTP01Y1 RTC01Y1 | | | |
| RTP01Y2 | RTP01Y1 RTC01Y1 | | | |
| TPD01Y2 | TPD01Y1 | | | |
| | | | | |
| Module code | Prerequisite code | | | |
| | | | | |
| APY01Y3 | PRR01Y2 | | | |
| MPP01Y3 | | | | |
| REM01Y3 | PRR01Y2 | | | |
| | ANP01Y1 APP01Y1 PRP01Y1 PTY01Y1 RTC01Y1 RTP01Y1 TPD01Y1 Module code ANP01Y2 PRR01Y2 RTC01Y2 RTP01Y2 TPD01Y2 Module code APY01Y3 MPP01Y3 | | | |

| 3 | | |
|--|-------------|--------------------|
| Radiation Therapy Clinical 3 | RTC01Y3 | RTP01Y2 RTC01Y2 |
| Radiation Therapy Practice 3 | RTP01Y3 | RTP01Y2 RTC01Y2 |
| Treatment Planning & Dosimetry 4 | TPD01Y3 | TPD01Y2 |
| Fourth Year | | |
| Module name | Module code | Prerequisite code |
| Year Modules | | |
| Radiographic Department Management Strategies | RGM01Y4 | MPP01Y3 |
| Research Project 4 | RPR01Y4 | REM01Y3 |
| Radiation Therapy Clinical 4 | RTC01Y4 | RTP01Y3 RTC01Y3 |
| Radiation Therapy Practice 4 | RTP01Y4 | RTP01Y3 RTC01Y3 |
| Treatment Planning & Dosimetry 4 | TPD01Y4 | TPD01Y3 |
| Choose one of the following elective mo | odules | |
| Education in Health | EIH01Y4 | RTP01Y3 RTC01Y3 |
| OR | | |
| Imaging Informatics | IMT01Y4 | RTP01Y3 RTC01Y3 |
| | · | · |

HS7.5 MASTER OF MEDICAL IMAGING AND RADIATION SCIENCES (M9MI1Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF level 9

Research thesis 100%

HS7.5.1 Purpose

The purpose of the Master of Medical Imaging and Radiation Sciences is to enable successful learners to make a contribution to a chosen field of radiography through independent research, using advanced problem-solving skills and critical, reflective thinking. The learner will report the findings in a manner that meets the accepted criteria and ethical principles of the profession. The research problem, its justification, process and outcome will be reported in a dissertation that complies with the generally accepted norms for research at a Master's level. In this way, the learner will make a contribution to the existing body of knowledge for radiography ranging from fundamental concepts to advanced theoretical or applied knowledge that will develop and advance the radiography profession.

HS7.5.2 Outcomes

The students will be able to:

- 1. Identify, formulate, prepare and solve research problems.
- 2. Execute the research project at the appropriate level.
- 3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
- 4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
- 5. Report research findings at the appropriate level.
- 6. Make conclusions, suggestions and recommendations based on the data collected that are reasonable and justifiable.

HS7.5.3 Rules of access and admission requirements

The minimum requirement is a Radiography related qualification at NQF level 8 or equivalent. Applications from person with an equivalent qualification will be considered by a constituted status committee in line with the University's and faculty's regulations.

Selection criteria

The selection of Master's students will be done in accordance with rules and regulations of the Higher Degrees Committee of the University of Johannesburg as stipulated for postgraduate programmes. Selection includes an approval of the student's research concept by the Department Research Committee which will grant the student permission to register and then develop a research proposal.

HS7.5.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS7.5.5 Curriculum

A research project and a thesis:

| Module name | Module code | | | |
|--|-------------|--|--|--|
| Semester one | | | | |
| Research Project and Dissertation: Health Sciences (Medical Imaging and Radiation) | DMI9XA1 | | | |
| Semester two | | | | |
| Research Project and Dissertation: Health Sciences (Medical Imaging and Radiation) | DMI9XB1 | | | |

HS7.6 PhD HEALTH SCIENCES: MEDICAL IMAGING AND RADIATION SCIENCES (P9HS8Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years

NQF level 10, 360 Credits Research thesis 100%

HS7.6.1 Purpose

The purpose of the PhD (Health Sciences) is to promote the career advancement of students in the area of Health Sciences by enabling students to conduct independent, novel research within a specific discipline or in a multidisciplinary manner in Health Sciences that will contribute to the knowledge and practice in the area of Health Sciences.

The defining characteristic of this programme is that the candidate is required to demonstrate high level research capability and to make a significant and original academic contribution at the frontiers of health science. The research output must be of a quality to satisfy peer review and merit publication. It is intended that the student will undertake original research. The student who successfully completes this qualification will be able to apply higher level problem solving skills and critical, reflective thinking at the most advanced academic levels in the Medical Imaging and Radiation Sciences (MIRS) domain.

HS7.6.2 Outcomes

- 1. Demonstrate a systematic understanding of the domain of MIRS and a mastery of the skills and methods of research associated with the domain of MIRS.
- 2. Conceive, design, implement and disseminate a substantial process of research with scholarly integrity.
- 3. Make a contribution through original research that extends the frontier of knowledge by developing a substantial body of work in an area of MIRS, some of which merits national or international refereed publication.

HS7.6.3 Rules of access and admission requirements

The minimum admission requirement is a master's degree in MIRS or Radiography qualification or equivalent. Selection is based on approval by the Faculty's Higher Degrees Committee.

Selection criteria

Applications from persons with an equivalent qualification will be considered by a constituted status committee in line with the University's and Faculty's regulations.

Selection includes an approval of the student's research concept by the Department Research Committee which will grant the student permission to register and then develop a research proposal.

The selection and allocation of post-graduate students depends on the availability of supervisors.

HS7.6.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

Certification of compliance with the requirements of the qualification is in accordance with the Certification Policy of the University, with due regard to the responsibility of the students, supervisors, relevant faculty administration officer, the Executive Dean of the faculty and the Registrar.

HS7.6.5 Curriculum

A research thesis. The research component is 100%.

| Module name | Module code | |
|---|-------------|--|
| Semester one | | |
| Research Project and Thesis: Health Sciences (Medical Imaging and Radiation Sciences) | RMI10X1 | |
| Semester two | • | |
| Research Project and Thesis: Health Sciences (Medical Imaging and Radiation Sciences) | | |

HS8.0 DEPARTMENT OF NURSING

HS8.1 BACHELOR OF NURSING (B9N02Q)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

HS8.1.1 Purpose

The purpose of the Bachelor of Nursing is to produce professional graduates competent in the knowledge and skills required for managing and providing an integrated, holistic, scientifically based nursing and midwifery health care service to society. The aim is to develop reflective, caring practitioners capable of integrating principles, theory, proven techniques and relevant clinical skills in the delivery of a service, focusing on the promotion of health, prevention, diagnosis, treatment and rehabilitation of nursing and midwifery related problems. On completion of this programme, graduates will be able to register with SANC as a professional nurse and midwife, entitling them to practice independently and within a multidisciplinary team in the private or public health sector or in the education or research sector.

HS8.1.2 Outcome

- 1. Apply and execute the scientific principles of comprehensive nursing and midwifery care as a professional nurse and midwife.
- 2. Apply and justify the principle of research and science-based problem-solving.

HS8.1.3 Rules of access and admission requirements

At entrance level, the prospective student should hold a Further Education Certificate (level 4), with full exemption.

Owing to the limited number of clinical learning facilities, the following two additional selection criteria shall also apply:

A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

| Exclude Life | Orientation | when calculating | APS) |
|--------------|-------------|------------------|------|
| | | | |

| Minimum APS | Language of teaching and Learning | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences |
|----------------|---|-------------|--------------------------|----------------------|---------------|
| 30 | 5 | 4 | Not accepted | 4 | 4 |

Selection criteria for this programme.

Selection will be based on:

- Academic merit; APS score
- English proficiency

HS8.1.4 Pass requirements

- 1. Students may enrol for a module in the following year, provided that:
 - (a) They have passed the prerequisites modules.
 - (b) The module selection does not lead to timetable clashes.
- 2. First year students must pass a minimum of 60% of the first-year modules as well as the prerequisites to proceed to the next level. This includes both the theoretical and clinical modules.
- 3. 100% attendance of all class and clinical practicals is compulsory.
- 4. Students may not register for the same module for a third time without permission from the Head of Department and Executive Dean.
- 5. Students have a maximum of six years to complete the qualification.

HS8.1.5 Clinical Practice (Work Integrated Learning in an accredited clinical institution)

- 1. Students should comply with the clinical/practical formative and summative assessment requirements in order to found competent in clinical skills.
- 2. Be registered as a Student Nurse with South African Nursing Council (SANC)
- Students must by the end of each year complete the number of hours as regulated by the SANC for clinical practice which are detailed in the study guides and Bachelor of Nursing policy.

HS8.1.6 Curriculum

| First year | | | |
|--|-------------|-------------------|--|
| Module name | Module code | Prerequisite code | |
| Semester one | | | |
| Fundamental Nursing Science 1A | FNS01A1 | | |
| Anatomy 1A | ANT01A1 | | |
| Physiology 1A | PHS01A1 | | |
| Psychology 1A | PSY1AA1 | | |
| Sociology 1A | SOC1AA1 | | |
| Semester two | | | |
| Fundamental Nursing Science 1B | FNS01B1 | | |
| Pharmacology 1 | PHM01B1 | | |
| Anatomy 1B | ANT01B1 | | |
| Physiology 1B | PHS01B1 | | |
| Year modules | | • | |
| Fundamental Nursing Science Clinical Practice 1C | FNC01Y1 | | |

| Second year | | |
|--|-------------|--|
| Module name | Module code | Prerequisite code |
| Semester one | | |
| General Nursing Science 1A | GNS01A2 | FNS01B1 PHS01B1 ANT01B1 |
| Mental Health Nursing Science 1 | MHS01A2 | |
| Mental Health Nursing Science Clinical Practice 1 | MHC01A2 | |
| Psychology 2A: Developmental Psych | PSY2AA2 | PSY1AA1 |
| Sociology 2A | SOC2AA2 | SOC1AA1 |
| Physiology 2A | PHS01A2 | PHS01B1 |
| Semester two | | |
| General Nursing Science 1B | GNS01B2 | |
| Physiology 2B | PHS01B2 | PHS01A2 |
| Year modules | | |
| General Nursing Science Clinical Practice 1C | GNC01Y2 | FNS01A1 FNC01Y1 FNS01B1 PHS01A1 PHS01B1 |
| Third year | • | • |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| General Nursing Science 2A | GNS01A3 | All 1 st and 2 nd Year Modules. |
| Midwifery Nursing Science 1A | MNS01A3 | |
| Semester two | • | |
| General Nursing Science 2B | GNS01B3 | |
| Midwifery Nursing Science 1B | MNS01B3 | |

| Year modules | | |
|--|--------------------------------------|-------------------|
| General Nursing Science Clinical Practice 2C | GNC01Y3 | |
| Midwifery Nursing Science Clinical Practice 1C | MNC01Y3 | |
| Research Methodology | RSM01Y3 | |
| Fourth year | | |
| Module name | Module code | Prerequisite code |
| Semester one | All 3 rd Year Modules. | |
| General Nursing Science 3A | GNS01A4 | |
| Midwifery Nursing Science 2A | MNS01A4 | |
| Semester two | | |
| General Nursing Science 3B | GNS01B4 | |
| Midwifery Nursing Science 2B | MNS01B4 | |
| Year modules | | |
| General Nursing Science Clinical Practice 3C | GNC01Y4 | |
| Midwifery Nursing Science Clinical Practice 2C | MNC01Y4 | |
| Research Project | RSP01Y4 | |

HS8.2 POSTGRADUATE DIPLOMA IN MIDWIFERY (E9MW1Q)

Duration of programme Part-Time: 2 years NQF Level 8, 120 Credits

HS8.2.1 Purpose

The purpose of Postgraduate Diploma in Midwifery is to strengthen and deepen students' knowledge and skills in the field of midwifery, required to undertake advanced reflection and development by means of critical thinking and clinical decision making, practice and research methods. The aim is to empower midwife specialists with key competencies i.e. knowledge, skills, attitudes and values. On completion of this programme, graduates will be able to register with the South African Nursing Council (SANC) midwife specialists, entitling them to work independently within the multidisciplinary team to provide promotive, preventive, curative and rehabilitative services to individuals, families, groups, and communities.

HS8.2.2 Outcome

- 1. Apply competencies to practice as an independent midwife specialist in midwifery clinical area, public and private sector.
- 2. Articulate vertically to any relevant degree at NQF level 9, for an example: Master's in midwifery.

HS8.2.3 Rules of access and admission requirements

Students are admitted in accordance with the national prescribed admittance criteria as provided by the Higher Education Qualifications Framework (HEQF), and institutional policies which include the Academic Regulations Policy and the Policy on Admission and Selection of the University of Johannesburg. The latter policy states that academics involved in selection and admission "considers the need to redress past inequalities, aims to provide equity, quality and academic excellence. The UJ Academic Regulations Policy instructs academics to ensure that admission is subject to the student equity profile.

Minimum Admission Requirements

- 1. A Bachelor's Degree in Nursing (R.174), alternatively.
- 2. A Bachelor's Degree in Nursing (R.425)
- 3. A Diploma in Nursing: General Nurse (R.171) with Advanced Diploma in Midwifery (R.1497).
- 4. Minimum of two (2) years' experiences, inclusive of a year of community service, as a Professional Nurse or General Nurse and Midwife.
- 5. Proof of registration with the SANC as a Professional Nurse or General Nurse and Midwife.
- 6. Proof of employment, detailing midwifery experience in years.
- 7. Approval from your Nursing Service Manager (NSM) to register for the programme and rotate through midwifery/maternity units.
- 8. The prospective student should remain employed at the institution where the permission has been granted by the NSM for the duration of the programme period.

Programme selection requirements

- 1. Signed agreement from NSM and/or preceptor to assist with the practical component.
- 2. Signed NSM agreement to move candidate to a clinical training facility approved and accredited by SANC for University of Johannesburg.

- 3. Minimum two (2) years midwifery clinical experience.4. Professional indemnity.
- 5. Letter of permission from the clinical preceptor pledging the clinical academic support.

Curriculum HS8.2.4

| First year | | | |
|---------------------------------------|-------------|-------------------|--|
| Module name | Module code | Prerequisite code | |
| Semester one | _ | | |
| Ethical Legal Professional Frameworks | ELP8X01 | | |
| Semester two | | | |
| Normal and abnormal pregnancy | NAP8X01 | | |
| Year Modules | | | |
| Clinical Practice in midwifery 1 | CPM8XY1 | | |
| Research | REN8XY1 | | |
| Second year | | | |
| Module name | Module code | Prerequisite code | |
| Semester one | | | |
| Normal and Abnormal Labour | NAL8X02 | | |
| Semester Two | | | |
| Postnatal Care | PSC8X02 | | |
| The Neonate | NEO8X02 | | |
| Year modules | | | |
| Clinical Practice in Midwifery 2 | CPM8XY2 | | |

HS8.3 POSTGRADUATE DIPLOMA IN CRITICAL CARE NURSING (ADULT) (E9IC1Q)

Duration of programme Part-Time: 2 years NQF Level 8, 130 Credits

HS8.3.1 Purpose

The purpose of Postgraduate Diploma in Critical Care Nursing (Adult) is to strengthen and deepen students' knowledge and expertise in adult critical care as a specialty of the nursing profession. It is designed to develop the student's skills based on current thinking, practice, and research methods in the field of adult critical care nursing. The aim is to empower the critical care nursing specialists with key competencies i.e.: knowledge, skills, attitudes, and values. On completion of this programme, graduates will be able to register with the South African Nursing Council (SANC) as critical care nursing specialists, entitling them to work independently within the multidisciplinary team to undertake professional and highly skilled work in adult critical care. This includes prevention of diseases, injuries, complications, screening, appropriate management, and prompt referral of patients with specific and complex health problems in the adult critical care settings.

HS8.3.2 Outcome

- 1. Apply competencies to practice as an independent specialist in adult critical care setting, public and private sector.
- 2. Articulate vertically to any relevant degree at NQF level 9, for an example: Master's in Medical and Surgical Nursing Science.

HS8.3.3 Rules of access and admission requirements

Students are admitted in accordance with the national prescribed admittance criteria as provided by the Higher Education Qualifications Framework (HEQF), and institutional policies which include the Academic Regulations Policy and the Policy on Admission and Selection of the University of Johannesburg (UJ). The latter policy states that academics involved in selection and admission "considers the need to redress past inequalities, aims to provide equity, quality and academic excellence..." The UJ Academic Regulations Policy instructs academics to ensure that admission is subject to the student equity profile.

Minimum Admission Requirements

- 1. A Bachelor's Degree in Nursing (R.174), alternatively
- 2. A Bachelor's Degree in Nursing (R.425)
- 3. A Diploma in Nursing: General Nurse (R.171) with Advanced Diploma in Midwifery (R.1497).
- 4. Minimum of two (2) years' experience, (inclusive of a year of community service) after registration with the South African Nursing Council (SANC) as a Professional Nurse or General Nurse and Midwife.
- 5. A minimum of two (2) years of post-basic clinical experience in adult critical care.
- 6. Proof of current registration with the SANC as a Professional Nurse or General Nurse and Midwife.
- 7. Proof of employment, detailing adult critical care experience in years.
- 8. Approval from your Nursing Service Manager (NSM) to register for the programme and rotate through adult critical care health settings.
- 9. The prospective student should remain employed at the institution where the permission has been granted by the NSM for the duration of the programme period.

Programme selection requirements

- 1. Signed agreement from NSM and/or preceptor to assist with the practical component.
- 2. Signed NSM agreement to move candidate to a clinical training facility approved and accredited by SANC for University of Johannesburg.
- 3. Minimum of two (2) years of critical care nursing (adult) experience.
- 4. Professional indemnity.
- 5. Letter of permission from the clinical preceptor pledging the clinical academic support.

HS8.3.4 Curriculum

| First year | | |
|---|-------------|-------------------|
| Module name | Module code | Prerequisite Code |
| Semester one | | |
| Ethical Legal Professional Frameworks | ELP8X01 | |
| Semester two | | |
| Pulmonology and Specific Pulmonary Conditions | PSP8X01 | |
| Year modules | | |
| Clinical practice in adult critical care 1 | CPA8XY1 | |
| Research | REN8XY1 | |
| Cardiology and Cardiothoracic surgery | CCS8XY1 | |
| Second year | | <u> </u> |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Nephrology | NEP8X02 | |
| Neurology and Neurosurgery | NNS8X02 | |
| Semester two | | |
| General Surgery, Sepsis and Endocrinology | SSE8X02 | |
| Year modules | | |
| Clinical Practice in Adult Critical Care 2 | CPA8XY2 | |

HS8.4 POSTGRADUATE DIPLOMA IN NURSING EDUCATION (E9ED1Q)

Duration of programme Part-Time: 2 years NQF Level 8, 120 Credits

HS8.4.1 Purpose

The purpose of Postgraduate Diploma in Nursing Education is to strengthen and deepen students' knowledge and skills in the field of nursing education. It is designed to develop student's skills based on current thinking, practice, and research methods in the field of nursing education. The aim is to empower nursing education specialists with high level of theoretical engagement and intellectual independence to acquire the ability to relate knowledge to a range of contexts, to undertake professional and highly skilled teaching ability in nursing education. On completion of this programme, graduates will be able to register with the South African Nursing Council (SANC) as nursing education specialists, entitling them to work independently within the multidisciplinary team.

HS8.4.2 Outcome

- 1. Apply competencies to practice as an independent nursing education specialist in public and private sector.
- 2. Articulate vertically to any relevant degree at NQF Level 9, for an example: a master's in nursing education.

HS8.4.3 Rules of access and admission requirements

Students are admitted in accordance with the national prescribed admittance criteria as provided by the Higher Education Qualifications Framework (HEQF), and institutional policies which include the Academic Regulations Policy and the Policy on Admission and Selection of the University of Johannesburg. The latter policy states that academics involved in selection and admission "considers the need to redress past inequalities, aims to provide equity, quality and academic excellence..." The UJ Academic Regulations Policy instructs academics to ensure that admission is subject to the student equity profile.

Minimum Admission Requirements

- 1. A Bachelor's Degree in Nursing (R.174), alternatively
- 2. A Bachelor's Degree in Nursing (R.425)
- 3. A Diploma in Nursing: General Nurse (R.171) with Advanced Diploma in Midwifery (R.1497).
- 4. A minimum of two (2) years' experience, (inclusive of a year of community service), after registration by the South African Nursing Council as a Professional Nurse or General Nurse and Midwife.
- 5. Proof of registration with the SANC as a Professional Nurse or General Nurse and Midwife.
- 6. Approval from your Nursing Service Manager (NSM) to register for the programme.

HS8.4.4 Curriculum

| First year | | |
|--|-------------|-------------------|
| Module name | Module code | Prerequisite Code |
| Semester one | | |
| Ethical Legal Professional frameworks | ELP8X01 | |
| Semester two | | |
| Curriculum orientation and design | COG8X01 | |
| Didactics | DID8X01 | |
| Year modules | • | |
| Research | REN8XY1 | |
| Second year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Teaching and learning strategies and media | TLS8X02 | |
| Assessment and evaluation of learning | AEL8X02 | |
| Semester two | | |
| Contemporary dynamics in Nursing Education | CDN8X02 | |
| Year modules | | |
| Practice in Nursing Education | PNE8XY2 | |

HS8.5 POSTGRADUATE DIPLOMA IN PRIMARY CARE NURSING (E9PC1Q)

Duration of programme Part-Time: 2 years NQF Level 8. 132 Credits

HS8.5.1 Purpose

The purpose of Postgraduate Diploma in Primary Care Nursing is to strengthen and deepen students' knowledge and expertise in primary care nursing as a specialty of the nursing profession. It is designed to develop the student's skills based on current thinking, practice, and research methods in the field of primary care nursing. The aim is to empower the primary care nursing specialists with key competencies i.e.: knowledge, skills, attitudes, and values. On completion of this programme, graduates will be able to register with the South African Nursing Council (SANC) as primary care nursing specialists, entitling them to work independently within the multidisciplinary team to undertake professional and highly skilled work in primary nursing care. This includes prevention of diseases, injuries, complications, screening, appropriate management, and prompt referral of patients with specific and complex health problems in the primary nursing care settings.

HS8.5.2 Outcome

- 1. Apply competencies to practice as an independent specialist in primary care nursing setting, public and private sector.
- 2. Articulate vertically to any relevant degree at NQF level 9, for an example: Master's in Primary Health Care.

HS8.5.3 Rules of access and admission requirements

Students are admitted in accordance with the national prescribed admittance criteria as provided by the Higher Education Qualifications Framework (HEQF), and institutional policies which include the Academic Regulations Policy and the Policy on Admission and Selection of the University of Johannesburg (UJ). The latter policy states that academics involved in selection and admission "considers the need to redress past inequalities, aims to provide equity, quality and academic excellence..." The UJ Academic Regulations Policy instructs academics to ensure that admission is subject to the student equity profile.

Minimum Admission Requirements

- 1. A Bachelor's Degree in Nursing (R.174), alternatively
- 2. A Bachelor's Degree in Nursing (R.425)
- 3. A Diploma in Nursing: General Nurse (R.171) with Advanced Diploma in Midwifery (R.1497).
- 4. Minimum of two (2) years' experience, (inclusive of a year of community service) after registration with the South African Nursing Council (SANC) as a Professional Nurse or General Nurse and Midwife.
- 5. A minimum of two (2) years of post-basic clinical experience in Primary Health Care.
- 6. Proof of current registration with the SANC as a Professional Nurse or General Nurse and Midwife.
- 7. Proof of employment, detailing primary health care experience in years.
- 8. Approval from your Nursing Service Manager (NSM) to register for the programme and rotate through primary health care settings.
- 9. The prospective student should remain employed at the institution where the permission has been granted by the NSM for the duration of the programme

Programme selection requirements

- 1. Signed agreement from NSM and/or preceptor to assist with the practical component.
- 2. Signed NSM agreement to move candidate to a clinical training facility approved and accredited by SANC for University of Johannesburg.
- 3. Minimum of two (2) years of primary health care experience.
- 4. Professional indemnity.
- 5. Letter of permission from the clinical preceptor pledging the clinical academic support.

HS8.5.4 Curriculum

| First year | | |
|--|-------------|-------------------|
| Module name | Module code | Prerequisite Code |
| Semester one | | |
| Ethical Legal Professional Frameworks | ELP8X01 | |
| ENT, Eye and Skin System | ENT8X01 | |
| Semester two | | |
| Respiratory and Cardiovascular systems | RCS8X01 | |
| Year modules | | |
| Clinical Practice in Primary Care Nursing | CPP8XY1 | |
| Research | REN8XY1 | |
| Second year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| HIV, STI and Genito-Urinary System | HSG8X02 | |
| Gastrointestinal System and Endocrine System | GSE8X02 | |
| Semester two | | |
| Musculo-Skeletal & Central Nervous System | MSC8X02 | |
| Year modules | | |
| Clinical Practice in Primary Care Nursing 2 | CPP8XY2 | |

HS8.6 POSTGRADUATE DIPLOMA IN HEALTH SERVICES MANAGEMENT (E9HS1Q)

Duration of programme Part-Time: 2 years NQF Level 8, 130 Credits

HS8.6.1 Purpose

The purpose of Postgraduate Diploma in Health Services Management is to strengthen and deepen students' knowledge and skills in the field of health services management. It is designed to develop student's skills based on current thinking, practice, and research methods in the field of health services management. The aim is to empower health services management specialists with high level of theoretical engagement and intellectual independence to acquire the ability to relate knowledge to a range of contexts, to undertake professional and highly skilled teaching ability in health services management. On completion of this programme, graduates will be able to register with the South African Nursing Council (SANC) as health services management specialists, entitling them to work independently within the multidisciplinary team.

HS8.6.2 Outcome

- 1. Apply competencies to practice as an independent health services management specialist in public and private sector.
- 2. Articulate vertically to any relevant degree at NQF Level 9, for an example: a master's in health services management.

HS8.6.3 Rules of access and admission requirements

Students are admitted in accordance with the national prescribed admittance criteria as provided by the Higher Education Qualifications Framework (HEQF), and institutional policies which include the Academic Regulations Policy and the Policy on Admission and Selection of the University of Johannesburg. The latter policy states that academics involved in selection and admission "considers the need to redress past inequalities, aims to provide equity, quality and academic excellence..." The UJ Academic Regulations Policy instructs academics to ensure that admission is subject to the student equity profile.

Minimum Admission Requirements

- 1. A Bachelor's Degree in Nursing (R.174), alternatively
- 2. A Bachelor's Degree in Nursing (R.425)
- 3. A Diploma in Nursing: General Nurse (R.171) with Advanced Diploma in Midwifery (R.1497).
- 4. A minimum of two (2) years' experience, (inclusive of a year of community service), after registration by the South African Nursing Council as a Professional Nurse or General Nurse and Midwife.
- 5. Proof of registration with the SANC as a Professional Nurse or General Nurse and Midwife.
- 6. Approval from your Nursing Service Manager (NSM) to register for the programme.

HS8.6.4 Curriculum

| First year | | |
|---------------------------------------|-------------|-------------------|
| Module name | Module code | Prerequisite Code |
| Semester one | | |
| Ethical Legal Professional Frameworks | ELP8X01 | |
| Semester two | | |
| Health Services Management | HSM8X01 | |
| Leadership Development | LDQ8X01 | |
| Year modules | | |
| Research | REN8XY1 | |
| Clinical Practice | CPH8XY1 | |
| Second year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | <u> </u> |
| Health Services Management | CHM8X02 | |
| Health Services Management Practices | CHP8X02 | |
| Semester 2 | | |
| Resource Management | RMN8X02 | |

HS8.7 POSTGRADUATE DIPLOMA IN OCCUPATIONAL HEALTH NURSING (E9OC1Q)

Duration of programme Part-Time: 2 years

NQF Level 8, 128 Credits

HS8.7.1 Purpose

The purpose of Postgraduate Diploma in Occupational Health Nursing is to strengthen and deepen students' knowledge and skills in the field of occupational health nursing. It is required to undertake advanced reflection and development by means of critical thinking and clinical decision making, practice and research methods. The aim is to empower occupational health specialists with key competencies i.e., knowledge, skills, attitudes and values. On completion of this programme, graduates will be able to register with the South African Nursing Council (SANC) occupational health specialists, entitling them to work independently within the multidisciplinary team to provide promotive, preventive, curative and rehabilitative services to individuals, families, groups, and communities.

HS8.7.2 Outcome

- 1. Apply competencies to practice as an independent occupational health specialist in occupational clinical area, public and private sector.
- 2. Articulate vertically to any relevant degree at NQF level 9, for an example: Master's in occupational health nursing.

HS8.7.3 Rules of access and admission requirements

Students are admitted in accordance with the national prescribed admittance criteria as provided by the Higher Education Qualifications Framework (HEQF), and institutional policies which include the Academic Regulations Policy and the Policy on Admission and Selection of the University of Johannesburg. The latter policy states that academics involved in selection and admission "considers the need to redress past inequalities, aims to provide equity, quality and academic excellence. The UJ Academic Regulations Policy instructs academics to ensure that admission is subject to the student equity profile.

Minimum Admission Requirements

- A Bachelor's Degree in Nursing (R.174), alternatively.
- A Bachelor's Degree in Nursing (R.425)
- A Diploma in Nursing: General Nurse (R.171) with Advanced Diploma in Midwifery (R.1497).
- 4 Year Diploma in Nursing and Midwifery offered under Regulation 425 of February 1985 as amended.
- A Diploma in Nursing: General Nurse (R.171) with Advanced Diploma in Midwifery (R.1497).
- Year Diploma (Bridging Course) Leading to registration as General or Psychiatric Nurse offered under Regulation 683 of 14 April 1989 as amended, followed by 1year Diploma in Midwifery offered under Regulation 254 of 14 February 1975 as amended.
- Minimum of two (2) years' experiences, inclusive of a year of community service, after registration by the South African Nursing Council as a Professional Nurse or General Nurse and Midwife.
- Proof of registration with the SANC as a Professional Nurse or General Nurse and Midwife.
- Approval from your Nursing Service Manager (NSM) to register for the programme.

Programme selection requirements

- Signed agreement from NSM and/or preceptor to assist with the practical component.
- Signed NSM agreement to move candidate to a clinical training facility approved and accredited by SANC for University of Johannesburg.
- Minimum two (2) years occupational health nursing clinical experience.
- Professional indemnity.
- Letter of permission from the clinical preceptor pledging the clinical academic support.

HS8.7.4 Curriculum

| First year | | |
|--|-------------|-------------------|
| Module name | Module code | Prerequisite Code |
| Semester one | | |
| Ethical Legal Professional Frameworks | ELP8X01 | |
| Research A | REN8XA1 | |
| Emergency Preparedness and Response | ERP8X01 | |
| Clinical Practice in Occupational Health | CPO8XA1 | |

| 1A | | |
|---|-------------|-------------------|
| Semester two | 1 | |
| Health Risk Assessment | HRA8X01 | |
| Clinical Practice in Occupational Health 1B | CPO8XB1 | |
| Workplace Health Promotion and Practice | WHP8X01 | |
| Research B | REN8XB1 | |
| Second year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Chronic Communicable Disease & Employee Man | CDC8X02 | |
| Clinical Practice in Occupational Health 2A | CPO8XA2 | |
| Semester Two | | |
| Semester I wo | | |
| Contemporary Occupational Health | COH8X02 | |

HS8.8 MASTER OF NURSING SCIENCE IN COMMUNITY NURSING SCIENCE (M9N02Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF Level 9, 180 Credits (HEQF aligned)

Research dissertation 100%

HS8.8.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS8.8.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS8.8.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelor's degree with a minimum of 480 approved credits at NQF level 8 or a post graduate diploma at NQF level 8.

Additional selection criteria

- 1. A minimum of 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
- 2. Proof of registration as a general and community health nurse with the SANC.
- 3. A candidate must be appointed in an approved full-time or part-time post as a nursing practitioner for the duration of the programme if necessitated by the research topic.

Specific selection criterion

Registration at SANC as a community nurse.

HS8.8.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS8.8.5 Curriculum

A dissertation on an approved topic

| Module name | Module code | |
|---|-------------|--|
| Semester one | | |
| Dissertation: Community Health Semester 1 | NCH9X01 | |
| Semester two | | |
| Dissertation: Community Health Semester 2 | NCH9X02 | |

HS8.9 MASTER OF NURSING SCIENCE IN COMMUNITY NURSING SCIENCE: OCCUPATIONAL HEALTH NURSING SCIENCE (M9N04Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF Level 9, 180 Credits (HEQF aligned)

Research dissertation 100%

HS8.9.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS8.9.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS8.9.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelor's degree with a minimum of 480 approved credits at level 8 or a post graduate diploma at NQF level 8.

Additional selection criteria

- 1. A minimum 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
- 2. Proof of registration as a general and occupational health nurse with the SANC.
- 3. A candidate must be appointed in an approved full-time or part-time post as a nursing practitioner for the duration of the programme if necessitated by the research topic.

Specific selection criterion

Registration as SANC as an occupational health nurse.

HS8.9.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS8.9.5 Curriculum

A dissertation on an approved topic

| Module name | Module code |
|---|-------------|
| Semester one | |
| Dissertation: Occupational Health Nursing Science Semester 1 | NOH9X01 |
| Semester two | |
| Dissertation: Occupational Health Nursing Science Semester 2 | NOH9X02 |

HS8.10 MASTER OF NURSING SCIENCE IN COMMUNITY NURSING SCIENCE:

PRIMARY HEALTH CARE (M9N06Q)

Duration of programme

Full-time: Minimum 1 year and maximum 2 years Part-time: Minimum 1 year and maximum 3 years

NQF Level 9, 180 Credits (HEQF aligned)

Research dissertation 100%

HS8.10.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS8.10.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS8.10.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelor's degree with a

minimum of 480 approved credits at level 8 or a post graduate diploma at NQF level 8.

Additional Selection criteria

- 1. A minimum 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
- 2. Proof of registration at the SANC as a General and primary health care nurse.
- 3. A candidate must be appointed in an approved full-time or part-time post as a nursing practitioner for the duration of the programme if necessitated by the research topic.

Specific selection criteria

Registration at SANC as a community health nurse and primary health care nurse.

HS8.10.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS8.10.5 Curriculum

A dissertation on an approved topic

| Module name | Module code | |
|--|-------------|--|
| Semester one | | |
| Dissertation: Primary Health Care Semester 1 | NPH9X01 | |
| Semester two | • | |
| Dissertation: Primary Health Care Semester 2 | NPH9X02 | |

HS8.11 MASTER OF NURSING SCIENCE IN MEDICAL AND SURGICAL NURSING: CRITICAL **CARE GENERAL (M9N08Q)**

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years NQF Level 9, 180 Credits (HEQF aligned)

Research dissertation 100%

HS8.11.1 **Purpose**

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS8.11.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS8.11.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelor's degree with a minimum of 480 approved credits at level 8 or a post graduate diploma at NQF level 8.

Additional selection criteria

- 1. A minimum of 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
- 2. Proof of registration as a general and critical care nurse with the SANC.
- 3. A candidate must be appointed in an approved full-time or part-time post as a nursing practitioner for the duration of the programme if necessitated by the research topic.

HS8.11.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS8.11.5 Curriculum

A dissertation on an approved topic

| Module name | Module code | |
|--|-------------|--|
| Semester one | | |
| Dissertation: Critical Care Semester 1 | NMD9X01 | |
| Semester two | | |
| Dissertation: Critical Care Semester 2 | NMD9X02 | |

HS8.12 MASTER OF NURSING SCIENCE IN MIDWIFERY AND NEONATAL NURSING SCIENCE (M9N11Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years NQF Level 9, 180 Credits (HEQF aligned)

Research dissertation 100%

HS8.12.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS8.12.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS8.12.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelor's degree with a minimum of 480 approved credits at level 8 or a post graduate diploma at NQF level 8.

Additional selection criteria

- 1. A minimum of 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
- 2. Proof of registration as a general nurse and midwife with the SANC.
- 3. A candidate must be appointed in an approved full-time or part-time post as a nursing practitioner for the duration of the programme if necessitated by the research topic.

HS8.12.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS8.12.5 Curriculum

A dissertation on an approved topic

| Module name | Module code |
|---|-------------|
| Semester one | |
| Dissertation: Midwifery and Neonatal Semester 1 | NMM9X01 |
| Semester two | • |
| Dissertation: Midwifery and Neonatal Semester 2 | NMM9X02 |

HS8.13 MASTER OF NURSING SCIENCE IN ETHOS AND PROFESSIONAL

PRACTICE (M9N14Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF Level 9, 180 Credits (HEQF aligned)

Research dissertation 100%

HS8.13.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS8.13.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS8.13.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelor's degree with a minimum of 480 approved credits at level 8 or a post graduate diploma at NQF level 8.

Additional selection criteria

- 1. A minimum of 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
- 2. Proof of registration as a general nurse with the SANC.
- 3. A candidate must be appointed in an approved full-time or part-time post as a

nursing practitioner for the duration of the programme if necessitated by the research topic.

HS8.13.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS8.13.5 Curriculum

A dissertation on an approved topic

| Module name | Module code |
|--|-------------|
| Semester one | |
| Dissertation: Ethos and Professional Practice Semester 1 | NEP9X01 |
| Semester two | |
| Dissertation: Ethos and Professional Practice Semester 2 | NEP9X02 |

HS8.14 MASTER OF NURSING SCIENCE IN NURSING EDUCATION (M9N16Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years NQF Level 9, 180 Credits (HEQF aligned)

Research dissertation 100%

HS8.14.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS8.14.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS8.14.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelor's degree with a minimum of 480 approved credits at level 8 or a post graduate diploma at NQF level 8.

Additional selection criteria

- 1. A minimum of 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree. Passed nursing education at level 3 (NQF 8).
- 2. Proof of registration as a general nurse and nurse educator with the SANC.
- 3. A candidate must be appointed in an approved full-time or part-time post as a nursing practitioner for the duration of the programme if necessitated by the research topic.

HS8.14.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS8.14.5 Curriculum

A dissertation on an approved topic

| Module name | Module code |
|--|-------------|
| Semester one | |
| Dissertation: Nursing Education Semester 1 | NED9X01 |
| Semester two | |
| Dissertation: Nursing Education Semester 2 | NED9X02 |

HS8.15 MASTER OF NURSING SCIENCE IN NURSING ADMINISTRATION

(M9N15Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF Level 9, 180 Credits (HEQF aligned)

Research dissertation 100%

HS8.15.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/midwifery/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS8.15.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS8.15.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelor's degree with a minimum of 480 approved credits at level 8 or a post graduate diploma at NQF level 8.

Additional selection criteria

- 1. A minimum of 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree. Passed nursing management at a level 3 (NQF 8).
- 2. Proof of registration as a general nurse and nurse manager with the SANC.
- 3. A candidate must be appointed in an approved full-time or part-time post as a nursing practitioner for the duration of the programme if necessitated by the research topic.

HS8.15.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS8.15.5 Curriculum

A dissertation on an approved topic

| Module name | Module code | | | |
|---|-------------|--|--|--|
| Semester one | | | | |
| Dissertation: Professional Nursing Administration Semester 1 | NSM9X01 | | | |
| Semester two | | | | |
| Dissertation: Professional Nursing Administration Semester 2 | NSM9X02 | | | |

HS8.16 MASTER OF NURSING SCIENCE IN PSYCHIATRIC MENTAL HEALTH NURSING (M9N18Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF Level 9, 180 Credits (HEQF aligned)

Research dissertation 100%

HS8.16.1 Purpose

The primary purpose of this qualification is to develop the intellectual and practical competencies of the qualifying student and to facilitate her/his professional values to promote the health of the individual, family, group and community as a specialist, leader and consultant in and as a member of the nursing/psychiatric/health team through her/his research, professional and clinical abilities. This qualification serves as a basis for advanced learning.

HS8.16.2 Outcome

Practice as an advanced clinical nurse specialist, leader, consultant and researcher.

HS8.16.3 Rules of access and admission requirements

At entrance level, the prospective student should have a Bachelor's degree with a minimum of 480 approved credits at level 8 or a post graduate diploma at NQF level 8.

Additional selection criteria

- 1. A minimum of 65% in the core modules in the undergraduate qualification in which the student intends to obtain the master's degree.
- 2. Proof of registration as a general nurse and post-basic psychiatric nurse with the SANC.
- A candidate must be appointed in an approved full-time or part-time post as a nursing practitioner for the duration of the programme if necessitated by the research topic.

HS8.16.4 Pass requirements

The general regulations for master's degrees are applicable to this qualification.

HS8.16.5 Curriculum

A dissertation on an approved topic

| Module name | Module code |
|---|-------------|
| Semester one | |
| Dissertation: Psychiatric Nursing Science: Semester 1 | NPD9X01 |
| Semester two | • |
| Dissertation: Psychiatric Nursing Science: Semester 2 | NPD9X02 |

HS8.17 DOCTOR OF NURSING SCIENCE

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years

NQF Level 10, 360 Credits Research thesis 100%

With specialisation choices in the following:

- 1. Community Nursing Science (P9N01Q)
- 2. Medical and Surgical Nursing Science: Critical Care Nursing (General): (P9N06Q)
- 3. Maternal and Child Nursing Science: Neonatal Nursing Science (P9N05Q)
- 4. Professional Nursing Science: Nursing Education (P9N14Q)
- 5. Psychiatric Mental Health Nursing Science (P9N02Q)
- 6. Professional Nursing Science (P9N03Q)
- 7. Community Health Nursing Science: Primary Health Care (P9N08Q)

HS8.17.1 Purpose

The primary purpose of this qualification is to provide the qualifying student with advanced critical, analytical, problem-solving and reflective competencies as a nursing specialist to act as a leader and consultant in health services and to make an original contribution to the knowledge content of the discipline through independent research. The qualifying student should display insight into the module discipline, as well as into research. This should include competence in the oral and written communication of the research process and findings.

HS8.17.2 Outcome

- 1. Expertise and critical knowledge in an area at the forefront of the field discipline or practice.
- 2. The ability to conceptualise new research initiatives and create new knowledge or practice.

Additional Selection Criteria:

1. Community Health Nursing Science: (P9N01Q)

- 1.1. An appropriate master's degree qualification in Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme.
- 1.2. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as

1.3. Registration as a Community Health Nurse with SANC.

2. Medical and Surgical Nursing Science: Critical Care Nursing (General): (P9N06Q)

- 2.1. An appropriate master's degree qualification in Advanced Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme.
- 2.2. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.
- 2.3. Registration as a Critical Care Nurse with SANC.

3. Maternal and Child Nursing Science: Neonatal Nursing Science: (P9N05Q)

- 3.1. An appropriate master's degree qualification in Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme.
- 3.2. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.
- 3.3. Registered as an Advance Midwife and Neonatal Nurse with SANC.

4. Professional Nursing Science: Nursing Education: (P9N14Q)

- 4.1 An appropriate master's degree qualification in Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme.
- 4.2 Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.
- 4.3 Registration as a Post Basic Nurse Educator with SANC.

5. Psychiatric Mental Health Nursing Science: (P9N02Q)

- 5.1. An appropriate master's degree qualification in Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme.
- 5.2. Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by die Faculty Higher Degrees Committee of the University.
- 5.3 Registration as a Psychiatric Nurse with SANC.

6. Professional Nursing Science: (P9N03Q)

- 6.1 An appropriate master's degree qualification in Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained a minimum of 65% in the completed master's degree programme.
- 6.2 Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by the Faculty Higher Degrees Committee of the University.

7. Community Health Nursing Science: Primary Health Care: (P9N08Q)

7.1 An appropriate master's degree qualification in Nursing Science/Professional Practice. A student intending to enrol for a doctorate degree must have obtained

- a minimum of 65% in the completed master's degree programme.
- 7.2 Requirements for continued registration (usually during the second and third year of study): the student must demonstrate satisfactory progress with the thesis, as required by the Faculty Higher Degrees Committee of the University.
- 7.3 Registration as a Primary Health Care Nurse with SANC.

HS8.17.3 Rules of access and admission requirements

- 1. At entrance level, the prospective student should have a minimum of 180 approved credits at level 9.
- 2. The prospective student should have obtained a minimum of 65% in the completed master's degree programme.
- 3. Registration at SANC as a Nurse in the field that the speciality has been chosen if necessitated by the research topic.
- 4. PhD orientation programme will be by invitation and will not be compulsory for the selection to the programme. The programme adds value to the knowledge acquisition.

HS8.17.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS8.17.5 Curriculum

A research thesis. The research component is 100%.

HS9.0 DEPARTMENT OF OPTOMETRY

HS9.1 BACHELOR OF OPTOMETRY (B9002Q)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

HS9.1.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:

- 1. Perform visual examinations and relevant procedures included in the scope of Optometry (as stipulated by the Professional Board of Optometry and Dispensing Opticians) in the clinical environment as an optometrist.
- 2. Independently apply promotive, diagnostic and treatment strategies in a costeffective manner appropriate to the needs of the community.
- 3. Use critical reasoning for holistic optometric management strategies in the diagnosis.
- 4. Establish a foundation for research and life skills for lifelong learning.

HS9.1.2 Outcomes

- 1. Apply thorough competency in professional and clinical responsibilities, scientific optometric skills, optical and allied technologies to ascertain the accuracy of the prescription of the eye care products to visually compromised people.
- 2. Apply scientific health care skills and optometric technologies in the interactive consultation of patient history while adhering to appropriate medico-legal ethics, health and safety regulations and codes of conduct.
- 3. Apply scientific health care skills and optometric technologies in the examination of eye and eye related conditions within the context of health services appropriate to the needs of the community, while adhering to appropriate medico-legal ethics, health and safety regulations and codes of conduct.
- 4. Interact consultatively in the diagnosis of eye and eye related conditions and delivery of eye care products, therapy and medication to visually compromised people, with knowledge of minimum standards of optometric care.
- 5. Interact consultatively in the management and delivery of eye care products, therapy and medication to visually compromised people, with knowledge of minimum standards of optometric care.
- 6. Record and maintain legible, secure data and patient information while adhering to appropriate medico-legal ethics, health and safety regulations and codes of conduct stated in the patient charter.
- 7. Manage and administer human, technical and other resources to ensure optimal diagnosis, prescription and delivery of eye and visual care products or services.
- 8. Apply self-reflective learning strategies to continually improve the optometrically related service within health care services appropriate to the specific needs of the patient/client to ensure professional contribution to the needs of the society.

HS9.1.3 Rules of access and admission requirements

Please note:

The admission requirements stated below are the minimum requirements to be considered for selection. Even if all minimum requirements are met, due to selection being based on academic excellence and limited number of places available in the program, acceptance into the program is not assured.

- 1. Language requirements.
- 2. Students who register at UJ for the first time for the Bachelor of Optometry degree

presented through the medium of English must have obtained one of the following results (as the minimum) in their final Grade 12 examination: C symbol for English first Language, HG C symbol for English second Language, HG B symbol for English, SG.

- 3. Grade 12 Mathematics HG at least 60% (C Symbol).
- 4. Grade 12 Science HG at least 60% (C Symbol).
- 5. Grade 12 Biology HG at least 60% (C Symbol). Biology may be substituted with Grade 12 Physiology HG at least 60% (C Symbol).
- 6. Six (6) subjects will be considered.

A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

| 31 | 2 لو | 5 | Not accepted | 5 | 5 |
|---|--|-------------|--------------------------|----------------------|--------------|
| Minimum APS | anguage of eaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | ife Sciences |
| (Exclude Life Orientation when calculating APS) | | | | | |

Selection criteria

The Department of Optometry at the University of Johannesburg admits a limited number of students per academic year in line with the enrolment target of the University. The decision to limit numbers is based on available facilities in the Optometry Department, number of students qualifying nationally from other academic institutions as well as compliance with the rules and regulations of the Professional Board of Optometry and Dispensing Opticians. For these reasons, and the high academic demand of the course it is necessary to apply an academic selection process. The selection process targets the most successful students for this course.

Selection is based purely on academic results. Please read together with **HS9.1.3** regarding rules of access. Selection is done by the Student Enrolment Centre (SEC).

Provisional acceptance is based on Grade 11 final marks. Students must however attain the minimum requirements as in **HS9.1.3** in order to maintain their selection.

Students applying from other Higher Education Institutions and students with other degrees will also be considered. The selection is based on academic performance and an average of 65% for all modules passed is required for consideration. Students applying from other Higher Education Institutions should be in good standing with that Institution and comply with the minimum requirements of that of a Grade 12 applicant. Selection takes place based on first semester academic results. If students do not maintain similar academic performance, selection will be forfeited.

The Department reserves the right to admit a student that may not meet the stipulated requirements as set out. Furthermore, admission is at the discretion of the Department.

As soon as selection and provisional acceptance are completed, students will be notified by the Student Enrolment Centre. Students that are not accepted will be referred to their second choices indicated on the application form.

Decisions taken are final and no exceptions will be made. No late applications will be

HS9.1.4 Pass requirements

- 1. The Academic Rules and Regulations of the University of Johannesburg should be read in conjunction with the additional requirements for the program in particular AR5.11.1 and AR5.11.4.
- 2. Class attendance is guided by **AR5.11.1** which states that "Students are expected to attend each class unless they have a legitimate reason, and where appropriate, the necessary evidence thereof, for being absent. **AR5.11.4** states that "Students are expected to attend a minimum of 80% of tutorials.
- 3. In order to continue to the second academic year in Optometry, a student must pass all the prescribed modules for the first academic year of study.
- 4. Students repeating part of the second year, but with credits in Optometry 1 and Dispensing Optometry 1 theory must still attend all practical sessions in these subjects in order to retain their credits. Students repeating part of the third year, but with credits in Optometry 2 and Dispensing Optometry 2 theory, must attend all practical sessions in these subjects in order to retain their credits.
- 5. Diagnostic Drug Proficiency: All fourth year students in Optometry have to prove their competency in the practical administration of diagnostic drugs and the use of related diagnostic instruments. The required pass mark in this proficiency examination is 75%.
- 6. Clinical rotations to community clinics, public hospitals and the primary healthcare train (Phelophepa) are compulsory.
- 7. All modules must be completed successfully, number of patients and clinic hours as prescribed by the Professional Board of Optometry and Dispensing Opticians completed and a research project report submitted, in order to successfully complete the program.
- 8. The maximum time to complete the Bachelor in Optometry degree is 6 years.
- A possible fifth academic year may be required for therapeutics and/or community service. On graduating and after completing the required exit level outcomes for the degree, learners must apply to the HPCSA for full registration to practice as an Optometrist.

HS9.1.5 Curriculum

| First year | | | | |
|------------------|-------------|-------------------|--|--|
| Module name | Module code | Prerequisite code | | |
| Semester one | | | | |
| Chemistry 1C | CEM1CA1 | | | |
| Physics 1C | PHY1CA1 | | | |
| Human Anatomy 1A | HAN01A1 | | | |
| Psychology 1A | PSY1AA1 | | | |
| Mathematics 1A | MAT01A1 | | | |
| Semester two | | | | |
| Physics 1D | PHY1DB1 | PHY1CA1 | | |
| Human Anatomy 1B | HAN01B1 | HAN01A1 | | |

| Psychology 1B | PSY1BB1 | PSY1AA1 |
|---------------------------------|-------------|--|
| Year Module | • | • |
| Introduction to Optometry | OPI00Y1 | |
| Second year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Human Physiology 2A | HPH02A2 | HAN01A1 HAN01B1 |
| Microbiology 2A | MCB01A2 | |
| Statistical Methods 1A | SMT01A1 | |
| Semester two | | |
| Human Physiology 2B | HPH02B2 | HAN01A1 HAN01B1 HPH02A2 |
| Biochemistry 1B | BIC01B1 | |
| Year modules | 1 | |
| Ophthalmic Optics | OOP00Y2 | PHY1CA1 MAT01A1 PHY1DB1 OPI00Y1 |
| Dispensing Optometry 1 | DOP00Y2 | PHY1CA1 MAT01A1 PHY1DB1 |
| Optics | OPO00Y2 | PHY1CA1 MAT01A1 PHY1DB1 |
| Optometry 1 Practical | OPP00Y2 | PHY1CA1 MAT01A1 OPI00Y1 PHY1DB1 |
| Optometry 1 Theory | OPT00Y2 | PHY1CA1 MAT01A1 OPI00Y1 PHY1DB1 |
| General Pathology for Optometry | OPA00Y2 | HAN01A1 HAN01B1 CEM1CA1 |

| Third year | | | |
|----------------------------------|-------------|--|--|
| Module name | Module code | Prerequisite code | |
| Semester one | | | |
| Ocular Anatomy and Physiology 3A | OAF03A3 | HAN01A1 HAN01B1 HPH02A2 HPH02B2 OPA00Y2 | |
| Semester two | | | |
| Ocular Anatomy and Physiology 3B | OAF03B3 | HAN01A1 HAN01B1 HPH02A2 HPH02B2 OPA00Y2 OAF03A3 | |
| Year modules | | | |
| Binocular Vision 1 | BVI00Y3 | OPP00Y2 OPT00Y2 | |
| Contact Lenses 1 | CTL00Y3 | OPP00Y2 OPT00Y2 BIC01B1 OPO00Y2 OOP00Y2 MCB01A2 | |
| Optometry 2 Practical | OPP00Y3 | OPP00Y2 OPT00Y2 DOP00Y2 | |
| Optometry 2 Theory | OPT00Y3 | OPP00Y2 OPT00Y2 DOP00Y2 OPO00Y2 | |
| Dispensing Optometry 2 | DOP00Y3 | DOP00Y2 OPP00Y2 OPT00Y2 | |
| Paediatric Optometry 1 | PED00Y3 | OPP00Y2 OPT00Y2 PSY1AA1 PSY1BB1 | |
| General and Ocular Pharmacology | OPH00Y3 | OPA00Y2 HAN01A1 HAN01B1 HPH02A2 HPH02B2 MCB01A2 | |

| Ocular Pathology 1 | OPA00Y3 | OPA00Y2 OPP00Y2 OPT00Y2 MCB01A2 HPH02A2 HPH02B2 |
|---|-------------|--|
| Fourth year | | |
| Module name | Module code | Prerequisite code |
| Year modules | | |
| Binocular Vision 2 | BVI00Y4 | BVI00Y3 OPP00Y3 OPT00Y3 |
| Contact Lenses 2 | CTL00Y4 | CTL00Y3 OPP00Y3 OPT00Y3 OPH00Y3 OPA00Y3 |
| Low Vision 1 | LVI00Y4 | OPP00Y3 OPT00Y3 OPA00Y3 |
| Ocular Pathology 2 | OPA00Y4 | OPA00Y3 OPH00Y3 OPP00Y3 OPT00Y3 |
| Paediatric Optometry 2 | PED00Y4 | PED00Y3 BVI00Y3 OPP00Y3 OPT00Y3 |
| Optometric Clinical Practice | OCP00Y4 | |
| Optometry 3 Research Methods | OPP00Y4 | OPP00Y3 OPT00Y3 |
| Optometry 3 Theory | OPT00Y4 | OPP00Y3 OPT00Y3 BVI00Y3 PED00Y3 CTL00Y3 |
| Community and Environmental Optometry | COB01Y4 | OPP00Y3 OPT00Y3 |
| Business Practice, Ethics and Jurisprudence | COB02Y4 | OPP00Y3 OPT00Y3 |

HS9.2 MASTER OF HEALTH SCIENCES (OPTOMETRY) (M9OT1Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF Level 9, 180 Credits (HEQF aligned)

Research dissertation 100%

HS9.2.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:

- 1. Perform independent scientific research with an original component.
- 2. Contribute to knowledge of and insight into optometry as well as the specific discipline of research.
- 3. Display skills in related research methodologies and in proper formulation through a Master's dissertation.
- 4. Only a Research Masters can be done.

HS9.2.2 Outcomes

The students will be able to:

- 1. Identify, formulate, prepare and solve research problems.
- 2. Execute the research project at the appropriate level.
- 3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
- 4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
- 5. Report research findings at the appropriate level.
- 6. Make conclusions, suggestions and recommendations based on the data collected that are reasonable and justifiable.

HS9.2.3 Rules of access and admission requirements

A Bachelor's degree in Optometry (or equivalent).

HS9.2.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS9.2.5 Curriculum

A research dissertation on an approved topic:

| Module name | Module code |
|------------------------------------|-------------|
| Semester one | <u> </u> |
| Dissertation: Optometry Semester 1 | DOT9XA1 |
| Semester two | <u> </u> |
| Dissertation: Optometry Semester 2 | DOT9XB1 |

HS9.3 PhD HEALTH SCIENCES: OPTOMETRY (P9HS4Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years

NQF Level 10, 360 Credits Research thesis 100%

HS9.3.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:

- 1. Perform independent, original and creative scientific research.
- 2. Contribute significant knowledge to and insight into optometry as well as the specific discipline of research.
- 3. Display skills in related research methodologies and in proper formulation through a doctoral dissertation.
- 4. Reflect upon decision-making, self-directedness and contributions to optometric science.
- 5. Only a Research Doctorate can be done.

HS9.3.2 Outcomes

The student will be able to:

- 1. Identify and/or create an original research problem.
- 2. Design, construct and execute a research project at the highest level.
- 3. Collect appropriate data in a precise and logical manner and evaluate and judge the information obtained.
- 4. Acquire learning abilities in the research context including the assessment of scientific literature, construction of a research project, execution of project, analysis of data and producing sound scientific arguments.
- 5. Make relevant conclusions based on the data collected that are reasonable and justified.

HS9.3.3 Rules of access and admission requirements

A relevant Master's degree.

Refer to the Academic Regulations of the University of Johannesburg.

HS9.3.4 Pass requirements

- 1. In conjunction with the research supervisor/s, the Department of Optometry Research Committee shall appoint for each thesis three examiners, who shall be responsible for external examination.
- 2. A minimum of one of the external examiners shall be based external to the country.

HS9.3.5 Curriculum

- A student for a Doctoral degree shall be required to pursue an approved programme of research on some subject falling within the scope of the studies represented in the Department of Optometry.
- 2. Such programme shall make a distinct contribution to the knowledge or understanding of the subject and afford evidence of originality shown either by the discovery of new facts and/or by the exercise of independent critical power.

A research thesis. The research component is 100%.

| Module name | Module code |
|--|-------------|
| Semester one | |
| Research Project and Thesis: Health Sciences (Optometry) | RPO10X1 |
| Semester two | |
| Research Project and Thesis: Health Sciences (Optometry) | RPO10X2 |

HS10.0 DEPARTMENT OF PODIATRY

HS10.1 BACHELOR OF HEALTH SCIENCES IN PODIATRY (B9P01Q)

Duration of programme

Full-time: Minimum 4 years and Maximum 6 years

NQF Level 8, 480 Credits

HS10.1.1 Purpose

The purpose of the qualification is to produce professional podiatry graduates competent in the knowledge and skills required for managing and providing an integrated, holistic scientifically based podiatric health care service to all sectors of society. The qualification develops reflective, caring practitioners capable of integrating principles, theory, proven techniques, and relevant clinical skills in the delivery of a service focusing on promotion of foot health, prevention, diagnosis, treatment and rehabilitation of foot and lower limb related problems. Skills developed in scientific enquiry, critical thinking and problem-solving enable graduates to conduct research, undertake further study and become life-long learners. Graduates register with the HPCSA entitling them to practice independently and within a multidisciplinary team in the private or public health sector or in education, research, occupational health, and corporate sector.

HS10.1.2 Outcomes

- **ELO 1** Demonstrate competency in the performance of routine and specialised podiatric skills and techniques to clinically assess, diagnose, treat and manage conditions and/or pathologies affecting the foot and lower limb.
- **ELO 2** Apply the principles, proven techniques and specialised skills required for the delivery and promotion of foot health and the prevention and rehabilitation of the foot and lower limb problems.
- **ELO 3** Recognise and appraise the signs and symptoms of systemic conditions that impact on the foot and lower limb for the purpose of treatment, referral and subsequent management.
- **ELO 4** Manage a clinical practice and deliver evidence based podiatric services within the public or private healthcare environment effectively, demonstrating professionalism and an entrepreneurial ability.
- **ELO 5** Demonstrate the application of pertinent knowledge of the psycho-social, biological and basic sciences to podiatric practice.
- **ELO 6** Apply knowledge of Health and Safety regulations; Code/s of Practice; Ethics; Human Rights and Medical Law in the optimal performance of podiatric practice.
- **ELO 7** Develop research skills and conduct research within a podiatric context in order to contribute to the development of the profession, continue with lifelong learning and become a reflective practitioner.

HS10.1.3 Rules of access and admission requirements

A Senior Certificate with Matriculation exemption, or an equivalent qualification at an equivalent standard as determined by a Status Committee, with the following:

- 1. English with at least a Higher Grade D or Standard Grade C symbol and,
- 2. Two of the following compulsory subjects:
 - 2.1 Biology with at least a Higher Grade D or Standard Grade C symbol.
 - 2.2 Physical Science with at least a Higher Grade D or Standard Grade C symbol.
 - 2.3 Mathematics with at least a Higher Grade D or Standard Grade C symbol.

A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

| (Exclude Life Orientation when calculating APS) | | | | | |
|---|--|-------------|--------------------------|----------------------|---------------|
| Minimum APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy | Physical Sciences | Life Sciences |
| 28 | 5 | 4 | Not accepted | 4 | 4 |

HS10.1.4 Specific rules and regulations for Podiatry students

- 1. Students must familiarize themselves with the internal rules and regulations of the Department. These rules and regulations, are set out in the Department's Clinical Conduct Guidelines, are binding.
- The programme is not offered as a part time or distance- learning programme. Students who are in full time employment will be unable to continue with their studies.
- 3. All students (even if not registered for Clinical Practice within that academic year) are required to see a minimum number of patients each year as determined by the department whilst they are registered. This is a requirement to ensure that clinical competencies are retained.
- 4. Final (4th) year students who fail any module or fail to complete their research project are required to register for Clinical Practice Practical module the following year even if they have passed this module to ensure that clinical competencies are retained as per HPCSA requirements.
- 5. All registered students are required to attend clinics as rostered and must provide reasons in writing for non-attendance of clinics. If a student fails to attend a rostered clinic, he/she must plan with the year coordinator for make-up clinic shift.
- 6. Students are required to adhere to the requirements of the department relating to personal appearance and dress code during clinics.

Clinical practice (Work integrated learning)

- 1. Students must, by the end of each year, complete the clinical hour requirements which are detailed in the Clinical Practice Practical 1, 2, 3 and 4 Learner Guides.
- 2. Clinical practice practical/placement is integrated into the academic programme and developed in conjunction with the mutual assistance of clinical training partners, for this reason, clinical rosters cannot be personalized.
- 3. Attendance of all rostered clinics, clinical workshops and practicals is compulsory and failure to comply will lead to disciplinary action.
- 4. During the four-year of study, students must perform clinical work in the University of Johannesburg Podiatry clinic and at other clinical training sites around Gauteng.

HS10.1.5 Pass requirements

- 1. Students are promoted:
 - 1.1 To full second-year status if they have passed all the first-year modules.
 - 1.2 To full third-year status if they have passed all the second-year modules.
 - 1.3 To the fourth year of study if they have passed all third-year modules.
- 2. Clinical Practice modules credits are retained provided that both the theory and practical modules are passed during the same academic year. Students who fail either the theory or the practical component of Clinical Practice cannot retain credits for the passed component and will be required to re-register for both the theory and practical modules the following year. Students retain credits for all other modules passed.
- 3. Due to the integrated nature of the theory and practical modules, 80% attendances of all theoretical classes are mandatory. Students will have to provide reasons in writing for non-attendance of classes.
- 4. Students may register for a module in the following year, provided that:
 - 4.1 The prerequisite modules were passed.
 - 4.2 The module selection does not lead to timetable clashes.
 - 4.3 The module is not a clinical/practical module.
- 5. In order to gain re-admission to the programme first year students must pass a minimum of 60% (i.e., 5 of the 7) of first year modules.
- 6. Students may not register for the same module for a third time without permission from the Head of Department and Executive Dean.
- 7. 100% attendance of and participation in, the practical and experiential components are compulsory. If students fail to comply with this requirement, they will fail the practical.
- 8. Students have a maximum of 6 years to complete the four-year degree.

HS10.1.6 Curriculum

| First year | | | | |
|------------------------------|-------------|-------------------|--|--|
| Module name | Module code | Prerequisite code | | |
| Semester one | | | | |
| Basic Science: Physics | PHB1AA1 | | | |
| Semester two | · | • | | |
| Basic Science: Chemistry | CHB1BB1 | | | |
| Year modules | | | | |
| Anatomy and Physiology | ANTPHY1 | | | |
| Clinical Practice 1 Practice | CLPPHY1 | | | |
| Human Sciences | HUMSHY1 | | | |
| Medical Sciences | MEDSHY1 | | | |
| Podiatric Medicine 1 Theory | PDMTHY1 | | | |

| Second year | | |
|----------------------------------|-------------|-------------------------------|
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Podiatric Anatomy 2 (Theory) | PDATHA2 | ANTPHY1 |
| Podiatric Anatomy 2 (Practical) | PDAPHA2 | ANTPHY1 |
| Year Modules | | |
| Clinical Practice 2 (Theory) | CLPTHY2 | PDMTHY1 CLPPHY1 MEDSHY1 |
| Clinical Practice 2 (Practice) | CLPPHY2 | PDMTHY1 CLPPHY1 MEDSHY1 |
| Podiatric Orthotics 2 (Theory) | PDOTHY2 | PDMTHY1 CLPPHY1 |
| Podiatric Orthotics 2 (Practice) | PDOPHY2 | PDMTHY1 CLPPHY1 |
| Podiatric Medicine 2 | PDMTHY2 | PDMTHY1 CLPPHY1 MEDSHY1 |
| Physiology 2 | PHYGHY2 | ANTPHY1 PDMTHY1 CLPPHY1 |
| Third year | , | -1 |
| Module name | Module code | Prerequisite code |
| Year Modules | , | |
| Clinical Practice 3 (Theory) | CLPTHY3 | CLPTHY2 PDOTHY2 PHYGHY2 |
| Clinical Practice 3 (Practice) | CLPPHY3 | CLPPHY2 PDOPHY2 PDMTHY2 |
| Introduction to Pharmacology | INTPHY3 | CLPTHY2 PDMTHY2 PHYGHY2 |
| Pathology and Medicine | PATMHY3 | CLPTHY2 PDMTHY2 PHYGHY2 |

| Podiatric Medicine 3 | PDMNHY3 | CLPTHY2 PDMTHY2 PDOTHY2 |
|---------------------------------|-------------|---|
| Podiatric Surgery | PODSHY3 | PDMTHY2 PDOTHY2 CLPTHY2 |
| Research Methodology | REMPHY3 | |
| Fourth year | · | • |
| Module name | Module code | Prerequisite code |
| Semester one | , | |
| Private Practice Management | PPMPHA4 | CLPTHY3 CLPPHY3 |
| Semester two | | |
| Health Management Systems | HMSPHB4 | CLPTHY3 CLPPHY3 |
| Year Modules | | |
| Applied Pharmacology | APPHSY4 | INTPHY3 CLPTHY3 PDMNHY3 PATMHY3 |
| Clinical Practice 4 (Practical) | CLPHSY4 | CLPTHY3 CLPPHY3 INTPHY3 PATMHY3 PDMNHY3 |
| Clinical Practice 4 (Theory) | CLPTHY4 | CLPTHY3 CLPPHY3 INTPHY3 PATMHY3 PDMNHY3 |
| Pod Med: 4 Podogeriatrics | PDMGHY4 | CLPTHY3 CLPPHY3 INTPHY3 PATMHY3 PDMNHY3 |
| Pod Med: Podopaediatrics | PDMPHY4 | CLPTHY3 CLPPHY3 INTPHY3 PATMHY3 PDMNHY3 |
| Pod Med: Sports Medicine | PDMSHY4 | CLPTHY3 CLPPHY3 INTPHY3 PATMHY3 |

| Research Project and Dissertation | REPPHY4 | REMPHY3 |
|-----------------------------------|---------|---------|
|-----------------------------------|---------|---------|

HS10.2 MASTER OF HEALTH SCIENCES: PODIATRY (M9PD1Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF level 9

Research dissertation 100%

HS10.2.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:

- 1. Perform independent scientific research with an original component.
- 2. Contribute to knowledge of and insight into podiatry as well as the specific discipline of research.
- 3. Display skills in related research methodologies and in proper formulation through a Master's dissertation.
- 4. Reflect upon decision-making, self-directedness and contributions to podiatric science.

HS10.2.2 Outcomes

The student will be able to:

- 1. Identify, formulate, prepare and solve research problems.
- 2. Execute the research project at the appropriate level.
- 3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
- 4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
- 5. Report research findings at the appropriate level.
- 6. Make conclusions, suggestions and recommendations based on the data collected that are reasonable and justifiable.

HS10.2.3 Rules of access and admission requirements

A Bachelor's degree in Podiatry or an equivalent qualification in Podiatry at an equivalent standard as determined by a Status Committee and approved by the Faculty Board.

Applicants should be registered with the HPCSA as a Podiatrist and have at least a minimum of one-year clinical experience.

The Department require a two-page synopsis of the research topic and methodology before the student is allowed to register or commence with his/her Master's studies.

Selection criteria

Selection will be based on:

- Consideration of a draft proposal by the Department's Research Committee.
- Prior academic performance
- Structured personal interview

HS10.2.4 Pass requirements

Pass mark of 50% for the dissertation.

HS10.2.5 Curriculum

A research project and a dissertation: The research component is 100%.

| Module name | Module code | |
|---|-------------|--|
| Semester one | | |
| Research Project and Dissertation: Health Sciences (Podiatry) | DPD9XA1 | |
| Semester two | | |
| Research Project and Dissertation: Health Sciences (Podiatry) | DPD9XB1 | |

HS10.3 PhD HEALTH SCIENCES: PODIATRY (P9HS5Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years

NQF level 10, 360 Credits Research thesis 100%

HS10.3.1 Purpose

To develop podiatry graduates that can make original contribution to podiatry knowledge and healthcare in general through conducting and disseminating high quality novel research to support and enhance the evidence-base for podiatry.

HS10.3.2 Outcomes

On completion of this qualification, the graduate should be able to demonstrate:

- 1. broad knowledge and systematic understanding of research as well as advanced and up-to-date specialised knowledge in podiatry,
- 2. familiarity with research methodology in general and the methods of podiatric and healthcare research in particular,
- the capacity for scholarly analysis and synthesis as well as an ability to review and assess new and complex phenomena, issues and situations independently and critically.
- 4. intellectual autonomy and disciplinary integrity as well as the ability to make assessments of research ethics,
- 5. the ability to identify and formulate research problem with scholarly precision critically, independently, and innovatively, and to plan and use appropriate methods to undertake original research,
- 6. through a dissertation the ability to make a significant contribution to the production of knowledge through his or her own research,
- 7. the ability in both national and international contexts to present and discuss research and research findings authoritatively in speech and writing and in dialogue with the academic community and society in general.
- 8. the ability to identify the need for further knowledge,
- 9. specialised insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used, and
- 10. the capacity to contribute to social development and support the learning of others both through research and education and in professional capacity.

HS10.3.3 Rules of access and admission requirements

Selection criteria

- 1. A Master's degree in Podiatry or an equivalent qualification with a minimum of 65% for the dissertation.
- 2. A minimum of three years clinical experience.
- 3. Candidates will be required to submit an outline research proposal.
- 4. Selection process is based on consideration of the research proposal for the PhD, the availability of a suitable supervisor, and an evaluation of the theoretical and methodological expertise required to complete the study.

HS10.3.4 Pass requirements

Pass mark of 50% for the thesis.

HS10.3.5 Curriculum

A research thesis. The research component is 100%.

| Module name | Module code |
|---|-------------|
| Semester one | |
| Research Project and Thesis: Health Sciences (Podiatry) | RPP10X1 |
| Semester two | |
| Research Project and Thesis: Health Sciences (Podiatry) | RPP10X2 |

HS11.0 DEPARTMENT OF SPORT AND MOVEMENT STUDIES

HS11.1 HIGHER CERTIFICATE IN SPORT ADMINISTRATION (F9SA1Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years

NQF Level: 5, 120 Credits

HS11.1.1 Purpose

The purpose of the Higher Certificate in Sport Administration is to provide learners with knowledge, skills and competencies to ensure professional, ethical and effective administration of sport clubs and events. This will be ensured through education and training in the principles of club administration, facility, competition and event administration, marketing, human resources, financial, and coaching administration.

HS11.1.2 Outcomes

Students should be able to:

- 1. Develop a personal philosophy, vision and code of conduct for the administration of sport clubs.
- 2. Demonstrate knowledge, skills and competencies in the administration of the human resources, finances, marketing and legal aspects of sport clubs.
- 3. Demonstrate knowledge, skills and competencies in the administration of sport facilities that includes turf administration, maintenance, scheduling and booking, equipment and risk administration.
- 4. Apply knowledge, skills and competencies in the administration of sport events and competitions, including for people with disability.
- 5. Develop leadership skills and competencies within a framework of ethical behaviour.

HS11.1.3 Rules of access and admission requirements

A National Senior Certificate (Grade 12) or equivalent qualification or relevant experience in the sport industry as determined by the RPL committee and in line with the UJ's RPL policy. Proficiency in English.

A National Senior Certificate - APS Score with minimum requirements as shown below: (Exclude Life Orientation when calculating APS)

| Minimum APS | Language of teaching and learning (English) | Subject 1 | Subject 2 | Subject 3 |
|----------------|--|-----------|-----------|-----------|
| 18 | 3 | 3 | 3 | 3 |

^{*}National certificate endorsement

Selection criteria

The Department of Sport and Movement Studies base selection on academic merit and availability of places in the programme.

HS11.1.4 Pass requirements

Students are promoted:

- 1. When all modules are passed with a final mark of 50% and higher.
- 2. Students retain credit for all modules passed.
- 3. Students must re-apply for continuation of their studies if they failed to pass an accumulative total of modules of at least:
 - 3.1 Three (3) modules after the first semester of study.
 - 3.2 Seven (7) Modules after the first year of study.
- 4. Work integrated learning: Students must accumulate 150 hours of approved practical work over the year.
- 5. First Aid Level 1: Students must complete the First Aid Level 1 course at a Departmental approved service provider.

HS11.1.5 Curriculum

| First year | | | |
|--|-------------|-----------------------------|--|
| Module Name | Module code | Prerequisite code | |
| Semester one | | | |
| Communication and Computer Literacy | CCLSAA1 | See admission requirements. | |
| Human Resource Administration in a Sport Club | HRASAA1 | | |
| Introduction to Sport Marketing and Administration | IMASAA1 | | |
| Principles and Administration of Coaching | PACSAA1 | | |
| Self-Management and Personal Skills Development | SMDSAA1 | | |
| Semester two | | | |
| First Aid Level 1 | FALSAB1 | | |
| Financial Administration in Sport | FASSAB1 | | |
| Introduction to Sport Law | ISLSAB1 | | |
| People with Disability in Sport | PDSSAB1 | | |
| Sport Leadership and Ethics | SLESAB1 | | |
| Year Modules | • | | |
| Facility, Competition and Event Administration | FCESAY1 | | |
| Sport and Club Administration | SCASAY1 | | |
| Work integrated learning (WIL) | WILSAY1 | | |

HS11.2 HIGHER CERTIFICATE SPORT COACHING AND EXERCISE SCIENCES (F9SC2Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years

NQF Level: 5, 120 Credits

HS11.2.1 Purpose

The purpose of the Higher Certificate in Sport Coaching and Exercise Science is to provide students with knowledge and competencies to ensure that athletes are coached within a holistic framework of athlete development of the four domains for coaching (children, participation for adolescents and adults, emerging and talented athletes and high-performance athletes). This will be ensured through the principles of coaching science, the knowledge of human sport performance, exercise physiology, developing the skills to identify common sports injuries and personal development.

HS11.2.2 Outcomes

Students should be able to:

- 1. Develop a personal coaching philosophy, vision and code of conduct.
- 2. Design and conduct basic fitness training protocols within the four domains of coaching.
- 3. Acquire the knowledge and skills to prevent common sport related injuries during coaching.
- 4. Identify key legal aspects and risks factors within the coaching and sport context.
- 5. Debate the key requirements for starting a sport club.
- 6. Develop a basic knowledge and understanding of sport facility and event management principles.

HS11.2.3 Rules of access and admission requirements

A National Senior Certificate (Grade 12) or equivalent qualification or relevant experience in the sport industry as determined by the RPL committee and in line with the UJ's RPL policy. Proficiency in English.

A National Senior Certificate - APS Score with minimum requirements as shown below:

| (Exclude Life Orientation when calculating APS) | | | | | |
|---|--|-----------|-----------|-----------|--|
| Minimum APS | Language of teaching and learning (English) | Subject 1 | Subject 2 | Subject 3 | |
| 18 | 3 | 3 | 3 | 3 | |

^{*}National certificate endorsement

Selection criteria

The Department of Sport and Movement Studies base selection on academic merit and availability of places in the programme.

HS11.2.4 Pass requirements

Students are promoted:

- 1. When all modules are passed with a final mark of 50% and higher.
- 2. Students retain credit for all modules passed.
- 3. Students must re-apply for continuation of their studies if they failed to pass an accumulative total of modules of at least:
 - 3.1 Three (3) modules after the first semester of study.
 - 3.2 Seven (7) modules after the first year of study.
- 4. Work integrated learning: Students must accumulate 100 hours of approved practical work over the year.
- 5. First Aid Level 1: Students must complete the First Aid Level 1 course at a Departmental approved service provider.

HS11.2.5 Curriculum

| First year | | |
|--|---------|-----------------------------|
| Module Name Module o | | Prerequisite code |
| Semester one | | |
| Basic Injury Prevention | BIPSCA1 | See admission requirements. |
| Communication and Computer Literacy | CCLSCA1 | |
| Sport Club Administration | SCASCA1 | |
| Self-Management and Personal Skills Development | SMDSAA1 | |
| Semester two | | |
| Basic Coaching Science | BCSSCB1 | |
| First Aid Level 1 | FALSAB1 | |
| Introduction to Sport Law | ISLSAB1 | |
| People with Disability in Sport | PDSSAB1 | |
| Sport Leadership and Ethics | SLESAB1 | |
| Year Modules | | |
| Basic Anatomy and Physiology | BAPSCY1 | |
| Coaching in the Four Domains | CFDSCY1 | |
| Facility, Competition and Event Management | FCESAY1 | |
| Work Integrated Learning (WIL) | WILSCY1 | |

HS11.3 <u>DIPLOMA IN SPORT MANAGEMENT (D9S01Q)</u>

Duration of programme
Full-time: Minimum 3 years and Maximum 5 years
NQF Level 6, 360 Credits

HS11.3.1 Purpose

Students will acquire knowledge and practical competencies in the administration and management of small sport enterprises as well as to reflect on their decisions made. More specifically, they will obtain those competencies in the functional aspects of management.

HS11.3.2 Outcomes

- 1. Students should be able to implement the functional management competencies in order to manage a small sport enterprise.
- 2. Students should be able to organise a sport club event utilizing the principles of event management.
- 3. Students should be able to do the administration of a small sport enterprise.
- 4. Students should be able to plan and implement a marketing plan for an event or small sport enterprise.

HS11.3.3 Rules of access and admission requirements

An FETC, Senior Certificate or an equivalent qualification at NQF 4 as determined by a Status Committee, with the following subjects:

- 1. Compulsory subject English with at least a Higher Grade E or Standard Grade D symbol.
- 2. Students who have successfully completed the Higher Certificate in Sport Administration or the Higher Certificate in Sport Coaching and Exercise Science may also be eligible for admission into the Diploma in Sport Management, dependent on merit and space availability in the programme.

A National Senior Certificate - APS Score with minimum requirements as shown below:

| (Exclude Life Orientation when calculating APS) | | | | | | |
|---|--------------------------|-------------|--------------------------|-----------------------|-----------------------|--|
| Minimum APS | Language of teaching and | Mathematics | Mathematical Literacy | Life Sciences | Physical Sciences | |
| 21 with Mathematics 22 with Mathematical Literacy | 3 | 3 | 4 | Not applica ble | Not applica ble | |

Selection criteria

The Department of Sport and Movement Studies base selection on academic merit and availability of places in the programme.

HS11.3.4 Pass requirements

Students are promoted:

1. To the second year of study if they have passed at least 2 modules (from either

- Sport Management 1A and B; or Business Management 1A and B), plus 2 other modules; to the third year of study if they have passed at least 10 modules, including Sport Management 2 and Business management 2.
- 2. Students must take all outstanding modules of the previous year of study before they may take modules of the following year of study, limited to a maximum of 6 modules in any one year of study.
- 3. Students retain credit for all modules passed.
- 4. Students must re-apply for continuation of their studies if they failed to pass an accumulative total of modules of at least:
 - 4.1. 3 modules after the first semester of study (one must be Sport Management 1A or Business Management 1A).
 - 4.2. 7 modules after the first year of study.
 - 4.3. 12 Modules after the second year of study.
 - 4.4. 18 Modules after the third year of study.

HS11.3.5 Curriculum

| First year | | |
|------------------------|-------------|-------------------------------|
| Module Name | Module code | Prerequisite code |
| Semester one | | |
| Marketing 1A | MAR01A1 | See admission |
| Business Management 1A | BMA01A1 | requirements. |
| English 1A | PME1AA1 | |
| Sport Management 1A | STM1AA1 | |
| Semester two | | |
| Marketing 1B | MAR01B1 | |
| Sport Management 1B | STM1BB1 | |
| English 1B | PME1BB1 | |
| Business Management 1B | BMA01B1 | |
| Year Modules | | |
| Sport Management 1C | STM11Y1 | |
| Second year | · | · |
| Module Name | Module code | Prerequisite code |
| Semester one | | |
| Marketing 2A | MAR02A2 | MAR01A1 MAR01B1 |
| Sport Management 2A | STM2AA2 | STM1AA1 STM1BB1 STM11Y1 |
| Public Relations 1A | PRL1AA1 | |

| End-User Computing A | EUC01A1 | |
|---|-----------------|--|
| Business Management 2A | BMA02A2 | BMA01A1 BMA01B1 |
| Semester two | | |
| Marketing 2C | MAR02C2 | MAR01A1 MAR01B1 |
| Sport Management 2B | STM2BB2 | STM1AA1 STM1BB1 STM11Y1 |
| Public Relations 1B | PRL1BB1 | |
| End-User Computing B | EUC01B1 | |
| Business Management 2B | BMA02B2 | BMA01A1 BMA01B1 |
| Year Modules | | DIVIAOTOT |
| Sport Management 2C | STM22Y2 | STM1AA1 STM1BB1 STM11Y1 |
| Third year | | |
| Module Name | Module code | Prerequisite code |
| Semester one | | |
| Sport Management 3A | STM3AA3 | STM2AA2 STM2BB2 STM22Y2 |
| Sport and Physical Recreation Studies 3A | 0000440 | |
| • | SPR3AA3 | |
| Business Management 3A | BMA03A3 | BMA01A1 BMA01B1 |
| Business Management 3A Semester two | | |
| - | | |
| Semester two | BMA03A3 | STM2AA2 STM2BB2 |
| Semester two Sport Management 3B | BMA03A3 STM3BB3 | STM2AA2 STM2BB2 |
| Semester two Sport Management 3B Sport and Physical Recreation Studies 3B | STM3BB3 SPR3BB3 | STM2AA2 STM2BB2 STM22Y2 BMA01A1 |
| Semester two Sport Management 3B Sport and Physical Recreation Studies 3B Business Management 3B | STM3BB3 SPR3BB3 | STM2AA2 STM2BB2 STM22Y2 BMA01A1 |

HS11.4 BACHELOR OF COMMERCE IN SPORT MANAGEMENT (B9S14Q)

Duration of programme Full-time: Minimum 3 years and Maximum 5 years NQF Level 7, 360 Credits

HS11.4.1 Purpose

The student should develop applied competencies in the mastering, analysis, interpretation and application of management principles in the fitness and health, coaching teaching and retailing sectors of the sport industry.

HS11.4.2 Outcome

Students will develop the ability to internalize, reflect on, and communicate strategic decisions and applications effectively through the correct and suitable use of scientific language and technical terminology associated with sport management. The qualification will facilitate effective learning through exposure to, and the application of, appropriate learning styles, thereby enabling them to navigate and holistically manage the dynamic context of sport management.

HS11.4.3 Rules of access

A Senior Certificate, or an equivalent qualification at an equivalent standard as determined by a Status Committee.

A National Senior Certificate (NSC) - APS Score with minimum requirements as shown below:

| (Exclude Lif | e Orientatio | n when calc | culating APS) | | |
|--------------|--|-------------|---|----------------------|-------------------|
| Minimum APS | Language of teaching and Learning (English) | Mathematics | Mathematical Literacy or Technical Mathematics | Physical Sciences | Life Sciences |
| 23 | 4 | 4 | Not accepted | Not applicable | Not applicable |

^{*}Mathematics (HG) must be minimum D (50%+) or Mathematics (SG) must be minimum C (60%+)

HS11.4.4 Pass Requirements

To be admitted to any module in the second or third academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of studies.

HS11.4.5 Curriculum

| First year | | |
|--|-------------|-------------------|
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Analytical Techniques 1A | ATE01A1 | |
| Industrial Psychology 1A | IPS11A1 | |
| Kinesiology 1A | KIN01A1 | |
| Sport Administration 1C | SPA01C1 | |
| Anatomy & Physiology 1A | ANP01A1 | |
| Business Management 1A | BMA11A1 | |
| Semester two | | |
| Analytical Techniques 1B | ATE01B1 | |
| Industrial Psychology 1B | IPS21B1 | |
| Kinesiology 1B | KIN01B1 | |
| Sport Practice 1D | SPP01D1 | |
| Anatomy & Physiology 1B | ANP01B1 | |
| Business Management 1B | BMA21B1 | |
| Second year | | |
| Module name | Module code | Prerequisite code |
| Semester one | • | |
| Industrial Psychology 2A | IPS12A2 | |
| Didactics and Exercise Science 2A | DES02A2 | |
| Sport Management 2C | SPM02C2 | |
| Business Management 2A | BMG02A2 | BMA11A1 |
| Choose one of the following elective m | nodules | |
| Economics 1A | ECO01A1 | |
| OR | 1 | |
| Accounting A | ACC0AA1 | |
| | | _1 |

| Semester two | | |
|--|-------------|--------------------|
| Industrial Psychology 2B | IPS22B2 | |
| Exercise Science 2B | EXS02B2 | |
| Practical Aspects 2E | PRA02E2 | |
| Leisure and Sport Tourism Studies 2D | LST02D2 | |
| Business Management 2B | BMG02B2 | BMA21B1 |
| Choose one of the following elective mo | dules | |
| Economics 1B | ECO01B1 | |
| OR | | |
| Accounting B | ACC0BB1 | |
| Third year | | • |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Industrial Psychology 3A | IPS13A3 | |
| Sport Psychology and Perceptual Motor Learning 3A | SPP03A3 | |
| Sport Marketing and Finance 3C | SFM03C3 | |
| Business Management 3A | BMA13A3 | |
| Semester two | | |
| Industrial Psychology 3B | IPS23B3 | IPS11A1 IPS22B2 |
| Sport Sociology 3B | SPS03B3 | |
| Work Integrated Learning 3E | WIL03E3 | |
| Facility, Event and Human Resource Management in Sport 3D | FEH03D3 | |
| Business Management 3B | BMG03B3 | |

HS11.5 BACHELOR OF HEALTH SCIENCES IN SPORT AND EXERCISE SCIENCES

(B9SE1Q)

Duration programme

Full-time: Minimum 3 years and Maximum 5 years

NQF Level 7, 360 Credits

HS11.5.1 Purpose

The purpose of this qualification is to develop competent sport and exercise scientists to ensure that the identification, development and performance of athletes are carried out professionally, effectively with a scientific background and an ethical approach.

HS11.5.2 Outcomes

This will be ensured by applying the principles, knowledge and skills of sport and exercise science, which will be assessed against the set outcomes of the programme. These graduates will fill an important gap in the fitness industry and health promotion needs of the community, especially as statistics indicate the prevalence of non-communicable diseases faced in South Africa and will further play a pivotal role in coaching science, hence the enhancement of sport performance in South Africa.

HS11.5.3 Rules of access and admission requirements

A Senior Certificate, or an equivalent qualification at an equivalent standard as determined by a Status Committee.

A National Senior Certificate - APS Score with minimum requirements as shown below:

(Exclude Life Orientation when calculating APS)

| Exolude Elie Cheritation When edicalating / ii C) | | | | | | |
|---|--|-------------|--------------------------|---------------|--------------------------|----------------------|
| Minimum APS | Language of teaching and learning (English) | Mathematics | Mathematical Literacy | Life Sciences | Technical Mathematics | Technical Science |
| 27 with Mathematics 28 with Mathematical Literacy | 5 | 3 | 4 | 4 | 4 | 4 |

HS11.5.4 Pass requirements

To be admitted to any module in the second academic year of study, and progress to the following year of study, students must have passed at least 60% of the modules in the previous year of studies.

HS11.5.5 Curriculum

| First year | | |
|--|-------------|----------------------------|
| Module name | Module code | Prerequisite code |
| Semester one | | • |
| Kinesiology 1A | KINSH1A | See Admission Requirements |
| Psychology 1A | PSY1AA1 | - Requirements |
| Semester two | | |
| Didactics and Coaching Science 1B | DICSH1B | |
| Health and Wellness Promotion 1B | HWPSH1B | |
| Psychology 1B: Fields of Psychology | PSY1BB1 | |
| Sport and Exercise Practice 1B | SEPSH1B | |
| Year module | | |
| Anatomy and Physiology 1 | ANPSHY1 | |
| Second year | | |
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Nutrition 1A | NUT012A | |
| Principles of Coaching 2A | PRCSH2A | |
| Psychology 2A: Developmental Psychology | PSY2AA2 | PSY1AA1 PSY1BB1 |
| Applied Physiology 2A | APHSH2A | |
| Applied Sport and Exercise Psychology 2A | ASPSH2A | |
| Semester two | | |
| Applied Physiology 2B | APHSH2B | |
| Health and Wellness Promotion 2B | HWPSH2B | |
| Psychology 2D: Positive Psychology | PSY2DB2 | |

| Third year | | |
|---|-------------|-------------------|
| Module name | Module code | Prerequisite code |
| Semester one | | |
| Health and Wellness Promotion 3A | HWPSH3A | |
| Psychology 3A: Research Psychology | PSY3AA3 | |
| Talent Identification & Long-Term Athlete Development 3A | TIDSH3A | |
| Sport and Exercise Science 3A | SESSH3A | |
| Motor Learning 3A | MTLSH3A | |
| Semester two | | |
| Sport and Exercise Science 3B | SESSH3B | |
| Sport and Exercise Science Practice 3B | SEPSH3B | |
| Notational Analysis & Exercise Programming 3B | NAPSH3B | |
| Psychology 3D: Psychopathology 3 | PSY3DB3 | PSY2DB2 |

HS11.6 BACHELOR OF BIOKINETICS (B9S15Q)

Duration of programme Full-time: Minimum 4 years and Maximum 6 years NQF Level 8, 480 Credits

HS11.6.1 Purpose

The qualification serves as the foundational and core knowledge base to register as a Biokineticist with the Health Professions Council of South Africa (HPCSA). The acquisition of professional abilities such as competence, skills, values and attitudes is fostered to enable the graduate to work as a health care professional. Competent and qualified Biokineticists are able to work in a variety of settings, including the public and private sector and in both urban and rural settings. Biokineticists primarily utilise their professional expertise in exercise testing and prescription, physical activity and health education to enhance/promote health in general, and to prevent dysfunction, restore and maintain an individual's functional ability, particularly in respect of orthopaedic injuries and chronic diseases/conditions.

The qualification will provide all economic sectors with a pool of well-qualified people whose competence will be internationally recognised and who will be able to perform specialised biokinetic health care services within any community setting.

The qualification is distinct from other qualifications within the health care profession as its main focus is the use of scientifically-based exercise prescription as a means of therapeutic intervention.

HS11.6.2 Outcome

Competent Biokineticists are able to:

- 1. Demonstrate knowledge, competence, skills and attitudes related to the structure and function of the human body systems.
- 2. Demonstrate knowledge, competence, skills and attitudes related to the psychosocial aspects of health and human performance.
- 3. Demonstrate knowledge, competence, skills and attitudes related to biomechanics.
- 4. Demonstrate knowledge, competence, skills and attitudes related to exercise physiology and clinical exercise physiology for rehabilitation.
- 5. Demonstrate specialised knowledge, competence, skills and attitudes related to human motor behaviour.
- 6. Demonstrate adequate knowledge, competence, skills and attitudes related to exercise science.
- 7. Plan and implement effective and efficient therapeutic and recreation programmes.
- 8. Apply specialised knowledge, competence, skills and attitudes related to health promotion, health education and health related aspects of exercise and physical activity in individual, community and work context.
- 9. Apply relevant and appropriate knowledge, competence, skills and attitudes related to the prevention and rehabilitation of musco-skeletal injuries.
- 10. Apply relevant knowledge, competence, skills and attitudes in conducting scientific measurement and evaluation in biokinetic contexts.
- 11. Apply relevant knowledge, competence, skills and attitudes to the management of chronic diseases and disabilities.
- 12. Demonstrate competence of the research process and various methodologies as well as apply the relevant knowledge, skills and attitudes in conducting a research project on a biokinetics or related topic.
- 13. Manage a private or public biokinetics practice or health care facility.

HS11.6.3 Rules of access

A Senior Certificate with university exemption, or an equivalent qualification as determined by a Status Committee. Life Sciences, although not compulsory, is highly recommended for entrance into the degree.

A National Senior Certificate - APS Score with minimum requirements as shown below:

Life Sciences, although not compulsory, is highly recommended for entrance into the degree.

A National Senior Certificate - APS Score with minimum requirements as shown below:

(Exclude Life Orientation when calculating APS)

| (Exclude the Orientation when calculating Ar 5) | | | | | |
|---|-----------------------------|-------------|--------------------------|-----------------------|-----------------------|
| Minimum APS | Language of teaching and | Mathematics | Mathematical Literacy | Life Sciences | Physical Sciences |
| 31 with Mathematics 32 with Mathematical Literacy | 5 | 4 | 5 | Not applica ble | Not applica ble |

Selection criteria

NB: All students accessing this qualification are required to register with the Health

Professions Council of South Africa (HPCSA) for the duration of the study period. In addition to the above, numbers for this programme will be capped and thus the applicants will be selected based on their APS scores.

HS11.6.4 Pass Requirements

To be promoted to the following year of study, students must have passed 100% of the modules in the previous year of study and to proceed with studies, students need to pass at least 60% of the modules in the previous year of study.

HS11.6.5 Curriculum

| First year | | | |
|--|-------------|-------------------|--|
| Module name | Module code | Prerequisite code | |
| Semester one | | | |
| Nutrition 1 | NUT01A1 | | |
| Semester two | | | |
| Psycho-Social Aspects of Physical Activity | PSA01B1 | | |
| Therapeutic Recreation 1B | TPR01B1 | | |
| Year modules | | | |
| Anatomy 1 | ANA01Y1 | | |
| Biokinetics 1 | BIK01Y1 | | |
| Physiology 1 | PHY11Y1 | | |
| Work Integrated Learning 1 | WIL01Y1 | | |
| Second year | | | |
| Module name | Module code | Prerequisite code | |
| Semester one | | | |
| Biomechanics 2A | BMS01A2 | | |
| Pathology and Pathophysiology | PAP01A2 | PHY11Y1 | |
| Semester two | | | |
| Perceptual Motor Learning and Control 2B | PML01B2 | | |
| Year modules | | | |
| Biokinetics 2 | BIK01Y2 | BIK01Y1 | |
| Clinical Exercise Testing and Prescription 2 | CET01Y2 | PHY11Y1 | |
| Exercise Physiology | EXP01Y2 | PHY11Y1 | |
| Work Integrated Learning 2 | WIL01Y2 | WIL01Y1 | |

| Third year | | | | | | |
|-------------|---|--|--|--|--|--|
| Module code | Prerequisite code | | | | | |
| | | | | | | |
| PAR01B3 | | | | | | |
| | | | | | | |
| BIK01Y3 | BIK01Y2 | | | | | |
| CET01Y3 | PAP01A2 CET01Y2 | | | | | |
| RME01Y3 | | | | | | |
| WIL01Y3 | WIL01Y2 | | | | | |
| • | | | | | | |
| Module code | Prerequisite code | | | | | |
| | | | | | | |
| PME01A4 | | | | | | |
| • | | | | | | |
| BIK01Y4 | BIK01Y3 | | | | | |
| BRD01Y4 | RME01Y3 | | | | | |
| WIL01Y4 | WIL01Y3 | | | | | |
| | PAR01B3 BIK01Y3 CET01Y3 RME01Y3 WIL01Y3 Module code PME01A4 BIK01Y4 BRD01Y4 | | | | | |

HS11.7 BACHELOR OF COMMERCE HONOURS IN SPORT MANAGEMENT (H9S05Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years

NQF Level 8, 120 Credits

HS11.7.1 Purpose

The student should develop applied competencies in the mastering, analysis, interpretation and application of management principles in the fitness and health, coaching, teaching and retailing sectors of the sport industry. The students should be able to reflect on their managerial decisions and applications to assess the effect thereof in the holistic context of sport management as practice.

HS11.7.2 Outcome

Students should be able to:

- 1. Resolve typical problems that exist in the management of sport environments.
- 2. Plan, implement and analyse research in a sport environment.
- 3. Apply different learning strategies in the study of sport and related competencies.
- 4. Apply strategic planning competencies.
- 5. Execute financial planning, control and analysis.
- 6. Manage the human resources of a sport environment/organization.
- 7. Plan, execute and evaluate a sport event(s).

HS11.7.3 Rules of access

A potential student should be in possession of a BCom (Sport Management) or any related qualification which majors in sport management with a program specific minimum level of competency on the NQF Level 7 generating 360 credits (with an overall minimum average of 60% in the third year). Applications for admission are considered by a Departmental selection committee and a limited number is admitted every year. The limited number of students admitted is based on the Department's capacity to adequately expose the students to Work Integrated Learning (WIL) and student to supervisor ratios.

HS11.7.4 Curriculum

| Module name | Module code | | | | | | |
|------------------------------------|-------------|--|--|--|--|--|--|
| Semester one | | | | | | | |
| Facility and Event Management | HMS8X12 | | | | | | |
| Sport Marketing | HMS8X14 | | | | | | |
| Sport Sociology | HMS8X17 | | | | | | |
| Strategic Management in Sport | HMS8X18 | | | | | | |
| Semester two | | | | | | | |
| Human Resource Management in Sport | HMS8X13 | | | | | | |
| Sport Finance | HMS8X15 | | | | | | |
| Year modules | | | | | | | |
| Research Methodology | HMS8X03 | | | | | | |
| Sport Management Practice | HMS8X16 | | | | | | |

HS11.8 BACHELOR OF ARTS HONOURS IN SPORT SCIENCE (H9S03Q)

Duration of programme
Full-time: Minimum 1 year and Maximum 2 years
NQF Level 8. 120 Credits

HS11.8.1 Purpose

The student should develop applied competence in the analysis, interpretation and application of sport science principles in the fitness and health, coaching and teaching sectors of the sport industry. The student should be able to take strategic decisions in the context of sport science and to assess any internal or external decision impacting on sport science. The student should further be able to reflect on his/her scientific decisions and applications to assess the effect thereof in the holistic context of sport science as practice.

HS11.8.2 Outcome

Students will develop the ability to internalize, reflect on and communicate related Sport Science principles in the fitness and health, coaching and teaching sectors of the Sport industry. The student should further be able to reflect on his/her scientific decisions and applications to assess the effect thereof in the holistic context of sport science as practice.

HS11.8.3 Rules of access

Access will be provided to a student who is in possession of a BCom (Sport Management) or sport related BA (Sport Science or Human Movement Studies) degree generating a minimum of 360 credits (with an overall minimum average of 60% in the third year). Applications for admission are considered by a Departmental selection committee.

HS11.8.4 Curriculum

| Module name | Module code |
|------------------------|-------------|
| Semester one | |
| Sport Vision | HMS8X19 |
| Semester two | |
| Sport Psychology | HMS8X10 |
| Year modules | |
| Exercise Physiology | HMS8X08 |
| Research Methodology | HMS8X03 |
| Exercise Science | HMS8X09 |
| Sport Science Practice | HMS8X11 |

HS11.9 MASTER OF PHILOSOPHY IN BIOKINETICS (M9S03Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years NQF Level 9, 180 Credits

Research dissertation 100%

HS11.9.1 Purpose

- 1. Perform independent scientific research with an original component.
- 2. Contribute to knowledge of and insight into Biokinetics as well as the specific discipline of research.
- 3. Display skills in related research methodologies and in proper formulation through a Master's dissertation.
- 4. Reflect upon decision-making, self-directedness and contributions to Biokinetics industry and practice.

HS11.9.2 Outcome

Students will be able to:

- 1. Identify, formulate, prepare and solve research problems.
- 2. Execute the research project at the appropriate level.
- 3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
- Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
- 5. Make conclusions, suggestions and recommendations based on the data collected that are logical and justifiable.
- 6. Produce one article for peer-reviewed publication.

HS11.9.3 Rules of access

Access will be provided to the student who is in possession of an NQF Level 8 qualification in Biokinetics (with an average pass mark of at least 65%) according to the Faculty Rules and Regulations.

Selection criteria

Selection is based on academic merit, and an interview (if required).

HS11.9.4 Curriculum

A dissertation on an approved topic. Refer to the Academic Regulations booklet for applicable regulations on masters' qualifications.

| Module name | Module codes | | | | | |
|---------------------------|--------------|--|--|--|--|--|
| Semester one | | | | | | |
| Dissertation: Biokinetics | HMS9X03 | | | | | |
| Semester two | | | | | | |
| Dissertation: Biokinetics | HMS9X04 | | | | | |

HS11.9.5 Closing date for applications

The closing date for applications is 31 October each year.

HS11.10 MASTER OF COMMERCE / MASTER OF PHILOSOPHY IN SPORT MANAGEMENT (M9S02Q) / (M9S04Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years NQF Level 9, 180 Credits

Research dissertation 100%

HS11.10.1 Purpose

Through the masters' dissertation a qualifying student would show evidence of independent and original scientific work. The dissertation would constitute a decided contribution to knowledge of and insight into the subject discipline as well as the field of research. Qualifying students would also display competence in the application of related research methodology, and the proper written and/or oral communication of the research process and findings. The student should be able to reflect on his/her research decisions and applications to assess the effect thereof in the holistic context of the sport industry.

HS11.10.2 Outcome

Students will be able to:

- 1. Identify, formulate, prepare and solve research problems.
- 2. Execute the research project at the appropriate level.
- 3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
- 4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
- 5. Make conclusions, suggestions and recommendations based on the data collected that are logical and justifiable.
- 6. Produce one article for peer-reviewed publication.
- 7. Present the findings at a national forum.

HS11.10.3 Rules of access

Access will be provided to the student who is in possession of an Honours qualification in Sport Management (with an average pass mark of at least 65%). In the case of an interdisciplinary of interdisciplinary master's programmes (MPhil), additional admission requirements may be set by the two or more relevant interdisciplinary fields/departments/faculties and contained in the relevant Faculty Rules and Regulations.

HS11.10.4 Curriculum

A dissertation on an approved topic. Refer to the Academic Regulations booklet for applicable regulations on masters' qualifications.

| Module name | Module code | | |
|--|-------------|--|--|
| Semester one | | | |
| Dissertation: Sport Management (MCom) | HMS9X01 | | |
| Dissertation: Sport Management (MPhil) | HMS9X05 | | |
| Semester two | | | |
| Dissertation: Sport Management (MCom) | HMS9X02 | | |
| Dissertation: Sport Management (MPhil) | HMS9X06 | | |

HS11.10.5 Closing date for applications

The closing date for applications is 31 October each year.

HS11.11 MASTER OF PHILOSOPHY IN SPORT SCIENCE (M9S06Q)

Duration of programme

Full-time: Minimum 1 year and Maximum 2 years Part-time: Minimum 1 year and Maximum 3 years

NQF Level 9, 180 Credits Research dissertation 100%

HS11.11.1 Purpose

Through the master's dissertation in which the qualification finally culminates, a qualifying student would show evidence of independent and original scientific work. The dissertation would constitute a decided contribution to knowledge of and insight into the subject discipline as well as the field of research. Qualifying students would also display competence in the application of related research methodology, and the proper written and/or oral communication of the research process and findings. The student should be able to reflect on his/her research decisions and applications to assess the effect thereof in the holistic context of the sport science industry.

HS11.11.2 Outcome

Students will be able to:

- 1. Identify, formulate, prepare and solve research problems.
- 2. Execute the research project at the appropriate level.
- 3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
- Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
- 5. Make conclusions, suggestions and recommendations based on the data collected that are logical and justifiable.
- 6. Produce one article for peer-reviewed publication.
- 7. Present the findings at a national forum.

HS11.11.3 Rules of access

Access will be provided to the student who is in possession of an honours qualification in Sport Science (with an average pass mark of at least 65%) according to the Faculty Rules and Regulations.

HS11.11.4 Curriculum

A dissertation on an approved topic. Refer to the Academic Regulations booklet for applicable regulations on masters' qualifications.

| Module name | Module code | | | | | |
|-----------------------------|-------------|--|--|--|--|--|
| Semester one | | | | | | |
| Dissertation: Sport Science | HMS9X07 | | | | | |
| Semester two | | | | | | |
| Dissertation: Sport Science | HMS9X08 | | | | | |

HS11.11.5 Closing date for applications

The closing date for applications is 31 October each year.

HS11.12 PhD HEALTH SCIENCES: BIOKINETICS (P9H12Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years NQF Level 10, 360 Credits Research thesis 100%

HS11.12.1 Purpose

The primary purpose of this qualification is to provide qualifying students with the ability to:

- 1. Perform independent original and creative scientific research.
- 2. Contribute significant knowledge to and insight into Biokinetics as well as the specific discipline of research.
- 3. Display skills in related research methodologies and in proper formulation through a doctoral thesis.
- 4. Reflect upon decision-making, self-directedness and contributions to the Biokinetics profession.

HS11.12.2 Outcome

Students will be able to:

- 1. Identify and/or create an original research problem.
- 2. Design, construct and execute research at this level.
- 3. Collect appropriate data in a precise and logical manner and evaluate and judge the information obtained.
- 4. Acquire learning abilities in the research context including the assessment of scientific literature, construction of a research project, execution of the project, analysis of the data and producing sound scientific arguments.
- 5. Make relevant conclusions based on the data collected that are logical and justified.

6. Produce two articles for peer-reviewed publication.

HS11.12.3 Rules of access

Access will be provided to the student who is in possession of a masters' qualification in Biokinetics (with an average pass mark of at least 65%) with a programme specific minimum level of competency on NQF Level 9, generating a minimum of 180 credits.

Selection criteria

Selection is based on academic merit, and an interview (if required).

HS11.12.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS11.12.5 Curriculum

A research thesis. The research component is 100%.

| Module name | Module code |
|--|-------------|
| Semester one | |
| Research Project and Thesis: Health Sciences (Biokinetics) | RPB10X1 |
| Semester two | |
| Research Project and Thesis: Health Sciences (Biokinetics) | RPB10X2 |

HS11.12.6 Closing date for applications:

The closing date for applications is 31 October each year.

HS11.13 PhD HEALTH SCIENCES: SPORT SCIENCE (P9H11Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years

NQF Level 10, 360 Credits Research thesis 100%

HS11.13.1 Purpose

Through the doctoral thesis, in which the qualification finally culminates, a qualifying student would show evidence of independent and original scientific work. The thesis would constitute a decided contribution to knowledge of and insight into the subject discipline as well as the field of research. Qualifying students would display applied competence in research methodology, and the proper written and/or oral communication in the research process and findings. The student should be able to reflect on his/her research decisions and applications to assess the effect thereof in the holistic context of research in the sport industry.

HS11.13.2 Outcome

Students will be able to:

- 1. Identify, formulate, prepare and solve research problems.
- 2. Execute the research project at the appropriate level.
- 3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
- 4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
- 5. Make conclusions, suggestions and recommendations based on the data collected that are logical and justifiable.
- 6. Produce two articles for peer-reviewed publication.

HS11.13.3 Rules of access

Access will be provided to the student who is in possession of a masters' qualification in Sport Science (with an average pass mark of at least 65%) with a programme specific minimum level of competency on NQF Level 9, generating a minimum of 180 credits.

Selection criteria

Selection is based on academic merit, and an interview (if required).

HS11.13.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS11.13.5 Curriculum

A research thesis. The research component is 100%.

| Module name | Module code |
|--|-------------|
| Semester one | |
| Research Project and Thesis: Health Sciences (Sport Science) | RSS10X1 |
| Semester two | |
| Research Project and Thesis: Health Sciences (Sport Science) | RSS10X2 |

HS11.13.6 Closing date for applications

The closing date for applications is 31 October each year.

HS11.14 PhD HEALTH SCIENCES: SPORT MANAGEMENT (P9H17Q)

Duration of programme

Full-time: Minimum 2 years and Maximum 4 years Part-time: Minimum 2 years and Maximum 5 years

NQF Level 10, 360 Credits Research thesis 100%

HS11.14.1 Purpose

Through the doctoral thesis, culminating in the qualification, a qualifying student would demonstrate independent and original scientific work. The thesis is expected to make a significant contribution to advancing knowledge and understanding within the field of sport management, encompassing fundamental principles, current practical issues, and the interdisciplinary aspects of sociological, cultural, historical, political, psychological, and legal concepts relevant to sport management. It should also address business and strategic considerations crucial to effective sport management practices. Additionally, the thesis should showcase the student's applied competence in research methodology and effective communication skills, both written and oral, in presenting research processes and findings. The student should critically reflect on their research decisions and applications, evaluating their impact within the broader context of research in the sport industry.

HS11.14.2 Outcome

Students will be able to:

- 1. Identify, formulate, prepare and solve research problems.
- 2. Execute the research project at the appropriate level.
- 3. Collect, organize, check, evaluate and write a proper literature review organizing the appropriate information in an understandable and logic manner.
- 4. Acquire learning abilities in the research context including the assessment of scientific literature, execution of research methodologies including the gathering of data and evaluating the information obtained.
- 5. Make conclusions, suggestions and recommendations based on the data collected that are logical and justifiable.
- 6. Produce two articles for peer-reviewed publication.

HS11.14.3 Rules of access

Access will be provided to the student who is in possession of a masters' qualification in Sport Management (with an average pass mark of at least 65%) with a programme specific minimum level of competency on NQF Level 9, generating a minimum of 180 credits.

Selection criteria

Selection is based on academic merit, and an interview (if required).

HS11.14.4 Pass requirements

Refer to the Academic Regulations of the University of Johannesburg.

HS11.14.5 Curriculum

A research thesis. The research component is 100%.

| Module name | Module code |
|--|-------------|
| Semester one | |
| Research Project and Thesis: Health Sciences (Sport Management) | RSM10X1 |
| Semester two | |
| Research Project and Thesis: Health Sciences (Sport Management) | RSM10X2 |

HS11.14.6 Closing date for applications:

The closing date for applications is 31 October each year.

HS12.0 MODULES PRESENTED BY THE FACULTY

HS12.1 <u>DEPARTMENT OF BIOMEDICAL SCIENCES</u>

BACHELOR OF HEALTH SCIENCES IN MEDICAL LABORATORY SCIENCES (B9B01Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcomes |
|-----------------|-------------|-----------|-----------|-------|---------|---|---|
| Cell Biology 1 | CLBHBB 1 | 50% | 50% | ο | 12 | The purpose of this module is to introduce the student to the basic structures and functions of cells, and biological molecules that make up living organisms. This course aims to familiarize the student with the basic structure and function of the different biochemical molecules and how the different levels of structure influence the function of the compounds. The metabolic pathways involved in the synthesis and breakdown of the different compounds will also be studied. The module will also give an outline of molecular biology, biochemistry of cancer, and applied biochemistry. | On successful completion of this module, students will be able to understand and describe: The biochemical perspective of medicine, cells, and the detailed structure, function, and properties of biomolecules. Importance of enzymes and enzyme kinetics in the biological system. Detailed major and minor metabolic pathways, their functions and regulation. Students will also have an in-depth understanding of the Etiology of cancer, the carcinogenesis process and the difference between normal and cancer cells, nucleotide's structure and chemistry, The structure of nucleic acids, replication, transcription and translation. |
| Chemistry 1A | CEMH1A 1 | 50% | 50% | 5 | 12 | The purpose of this module is to develop the students understanding of | On successful completion of this module, students will be |

| | | | | | 19 | which will serve as a fundamental basis for the student's further development in the biological sciences. To develop the applied practical and laboratory skills of the students required in the Biomedical Technology field. | Systems of classification Chemical calculations Chemistry of elements and water Students will also be introduced to: Alkanes & Alkenes Aromatic compounds Alkanols and phenols Alkyl and arylhalides Alkanoates and Alkynes Alkanals and alkanones Alkanoic acids and Amines |
|-----------------------------|----------|-----|-----|---|----|---|---|
| Clinical Chemistry 2A | CLCHBA 2 | 50% | 50% | 6 | 12 | The purpose of this module is to introduce the student to the basic concepts of instrumentation and quality assurance used in the Clinical Chemistry laboratory. This module will further introduce the students to case study-based learning and prepare the student to apply their theoretical knowledge of normal and abnormal physiology to the recognition and diagnoses of diseases affecting the systems that will be covered. This module is not only relevant to the student's present academic programme but is also relevant to his/her future personal and professional life in Medical Technology. | On successful completion of this module, the student should be able to: Describe all test principles and methodologies used in Chemical Pathology. Make detailed sketches or line drawing of each of the above instruments, state the principles that govern the functioning of these instruments. Must be able to discuss the advantages and disadvantages of each technique and instruments used in a Clinical Chemistry laboratory. Calculation used in everyday laboratory preparations and procedures involving specific technique. Understand the process and purpose of Quality |

| | | | | | | | control and Quality assurance. Apply the criteria for selecting and |
|-----------------------------|-------------|-----|-----|---|----|--|---|
| | | | | | | | evaluating new methodology. Use the normal and abnormal |
| | | | | | | | physiology of the human water and electrolyte balance to |
| | | | | | | | diagnose diseases affecting this system. Use the information of |
| | | | | | | | the normal and abnormal physiology and maintenance |
| | | | | | | | of the acid base balance to diagnose and identify diseases that affects the |
| | | | | | | | acid base. Apply normal and |
| | | | | | | | physiology of the kidney and the hormonal control of its |
| | | | | | | | function to diagnose the diseases that affect the kidney. Understand the |
| | | | | | | | importance of proteins and their physiological functions and clinical utility of protein measurement |
| Clinical Chemistry 2B | CLCHBB 2 | 50% | 50% | 6 | 12 | This module will further introduce the students to normal and abnormal physiology to the recognition and diagnoses of diseases affecting the systems that will be covered. | On successful completion of this module, the student should be able to: Use their knowledge of enzyme tissue distribution to make differential diagnoses of the diseases. |
| | | | | | | This module is not only relevant to the student's present academic programme, but also involves the integration of other core modules relevant | Use their knowledge of liver physiology, enzymology, and immunology to make a differential diagnoses of liver diseases |
| | | | | | | to future personal and professional life in Medical Laboratory Sciences. | Discuss the principal and applications of Immunochemical techniques used in chemical pathology (Selfstudy, repeat section). |

| | | | | | | | Apply the base knowledge of hormones and their target organs in the diagnoses of hormonal based diseases Define of the main terminology used in pharmacology, as well as the target molecules for pharmaceuticals and their actions. Discuss the routes of administration, absorption, distribution, and excretion of pharmaceuticals. Define the symptoms and physiological changes caused by drugs of abuse and discuss the methods for testing. |
|-------------------------|-------------|-----|-----|---|----|---|---|
| Clinical Chemistry 3 | CLCHBA 3 | 50% | 50% | 7 | 12 | The purpose of this module is to introduce the student to the functions, diseases associated with carbohydrates, lipids, minerals and body fluids and the laboratory analysis thereof. laboratory. This module will further introduce the students to case study-based learning and prepare the student to apply their theoretical knowledge of normal and abnormal physiology to the recognition and diagnoses of diseases affecting the systems that will be covered. | of this module, the student should be able to: Assess a patient's laboratory results and |

| | | | | | | | Discuss the mechanism of action, indications, undesirable effects, pharmacokinetics, contraindications, and drug interactions of cardiovascular drugs. |
|-------------------------|-------------|-----|-----|---|------|--|---|
| | | | | | | | Decide for which disease the specific the lipid lowering agents, antibiotics/drugs of abuse and anticonvulsants will be indicated for by using their different mechanism of action of these pharmaceuticals |
| Clinical Chemistry 4 | CLCHBY 4 | 50% | 50% | 8 | 12 0 | The purpose of this module is to provide students with the theoretical and practical knowledge to integrate information learned and apply it in diagnostic clinical chemistry. | On successful completion of this module, students will be able to apply and integrate information acquired from 2nd and 3rd year clinical chemistry modules to make final diagnosis in the science of clinical chemistry |
| Clinical Pathology 4 | CNPHBY 4 | 50% | 50% | 8 | 12 0 | The purpose of this module is to provide students with the theoretical and practical knowledge to be able to apply an integrated approach in diagnostic clinical pathology. | On successful completion of this module, students will be able to apply and integrate information acquired in medical microbiology, Clinical chemistry and haematology to make final diagnosis in the science of clinical pathology |

| Communica tion for Medical Laboratory Sciences 1A | CMLSBA 1 | 100% | 0% | 5 | 4 | This module is meant for: - the development of effective writing and analytical skills. Understanding the communication process, - paragraph/ essay writing - Effective writing for various audiences, business, and thesis writing. - Effective verbal communication and non-verbal communication skills - Oral presentation, creation of a presentation, delivering and choice of effective presentation tools. Conflict management and resolution. | of this module, students |
|--|-------------|------|-----|---|----|---|---|
| Computer Skills | CSL01A 1 | 50% | 50% | 5 | 4 | The purpose of this module is to introduce the students to basic IT (Information Technology) terms, Microsoft Word and Microsoft PowerPoint skills, including the basic components of a computer. | On successful completion of this module, students will be able to: Use the Word Processing application to solve business problems Use presentation software Use Ms Excel to create spreadsheets Use Ms Access to create databases |
| Cytogenetic s 2 | CTGHBB 2 | 50% | 50% | 6 | 12 | The purpose of this module is to introduce the student to the basic concepts of understanding normal | of this module, students will be able to recognize, |

| | | | | | | and abnormal chromosomes and will also include topics on hereditary and variation such as Mendelian genetics, non — Mendelian genetics and molecular genetics. | aspects of chromosomal structure, number, and behaviour, and their effects at the organismal, population and species levels. |
|--------------------|-------------|-----|-----|---|------|--|--|
| Cytogenetic s 4 | CYTGBY 4 | 50% | 50% | 8 | 12 0 | The purpose of this module is to provide students with the theoretical and practical knowledge to integrate information learned and apply it in diagnostic cytogenetics cases. and molecular genetics. | On successful completion of this module, students will be able to apply and integrate information acquired to make final diagnosis in the science of cytogenetics. |
| Cytopatholo gy 2 | CTPHBB 2 | 50% | 50% | 6 | 12 | The purpose of this module is to provide students with the theoretical and practical knowledge to: Differentiate between changes seen in epithelial cells. Recognize and identify different parts of FGT. Explain the role of hormonal assessment. Outline histologic and cytologic cellular components of normal FGT. Comprehend cells and cytological criteria for diagnosing infectious agents. Outline benign changes in the FGT. Analyse histological and cytological criteria for diagnosing infectious agents. | of this module, students will be able to: Discuss different biological behaviour of epithelial cells. Explain and apply different methods of obtaining specimen from FGT. Correlate clinical history FGT to the hormonal pattern. Compare and contrast between normal histologic and cytologic epithelial cells found in the FGT. Identify and recognize cellular changes associated with different agents of infections. Explain and apply microscopic changes that are due to benign changes-FGT. |

| | T. | 1 | T | 1 | 1 | | |
|------------------|----------|-----|-----|---|----|--|---|
| | | | | | | and malignancies of FGT. | lesions and malignancies of FGT. |
| | | | | | | Demonstrate specialized techniques used histologically and cytologically in aiding with diagnosis of the FGT | Application of specialized techniques in diagnosing histological and cytological cases of FGT. |
| Cytopatholo gy 3 | CTPHBA 3 | 50% | 50% | 7 | 12 | The purpose of this module is to provide students with the theoretical and practical knowledge to: Examine normal cellular content, benign changes and malignancies of the respiratory tract and oral cavity Examine agents of infection of the respiratory tract and oral cavity. Analyse normal cellular content, benign changes, and malignancies of the urinary tract. Recognize and construct normal cellular content, benign and malignant pathological aetiologies of the serous cavities. Outline FNA principle in cytology. Explain normal cellular content and pathology of the CNS. Explain normal cellular content and pathology of the gastrointestinal tract. | On successful completion of this module, students will be able to: Detailed discuss the normal cellular content, benign changes and malignancies of the respiratory tract and oral cavity. Outline different agents of infection of the respiratory tract and oral cavity. Compare and contrast normal cellular content, benign changes, and malignancies of the urinary tract. Differentiate cytomorphologically between benign and malignant pathological aetiologies of the serous cavities. Apply the principle of FNA-Breast and Thyroid gland. Discuss normal cellular content and pathology of the CNS. Assess normal cellular content and pathology of the gastrointestinal tract. |

| Cytopatholo gy 4 | CTPHBY 4 | 50% | 50% | 8 | 12 0 | The purpose of this module is to provide students with the theoretical and practical knowledge to integrate information learned and apply it in diagnostic cytopathological cases. | On successful completion of this module, students will be able to apply and integrate information acquired to make final diagnosis in the science of cytopathology. |
|------------------------|-------------|-----|-----|---|------|---|---|
| Forensic Sciences 4 | FRSHBY 4 | 50% | 50% | 8 | 12 0 | The purpose of this module is to provide students with experience and a broad overview of evidence categories and crime types commonly encountered within the criminal justice system. | On successfully completing the module students will have knowledge and understanding of core and foundation scientific physical, biological, and chemical concepts, terminology, theory, units, conventions, and laboratory methods in relation to forensic science. |
| Haematolog y 2A | HAEHBA 2 | 50% | 50% | 6 | 12 | The purpose of this module is to provide students with the theoretical and practical knowledge to identify normal haemopoiesis, recognise and interpret physiological changes in red cell number and morphology and finally to diagnose and understand the pathophysiology of various red cell diseases | On successful completion of this module, students will be able to: Understand, describe, interpret, and perform various haematology tests Understand, describe, and identify the processes involved in erythropoiesis Describe (identify the definition, incidence, pathophysiology, clinical features, aetiology, laboratory findings and treatment) various red cell disorders. |
| Haematolog y 2B | HAEHBB 2 | 50% | 50% | 6 | 12 | The purpose of this module is to provide students with the theoretical and practical knowledge to identify normal leucopoiesis, recognise and interpret physiological changes in white cell number and | On successful completion of this module, students will be able to: Understand, describe, interpret and perform various haematology tests Understand, describe and identify the |

| | | | | | | morphology and finally to diagnose and understand the pathophysiology of various white cell diseases. | processes involved in leucopoiesis Describe (identify the definition, incidence, pathophysiology, clinical features, aetiology, laboratory findings and treatment) various white cell disorders. |
|---|-------------|------|-----|---|------|--|--|
| Haematolog y 3 | HAEHBA 3 | 50% | 50% | 7 | 12 | The purpose of this module is to provide students with the theoretical and practical knowledge to identify normal thrombopoiesis, recognise and interpret physiological changes and morphology and finally to diagnose and understand the pathophysiology of various haemostatic diseases. | On successful completion of this module, students will be able to: Understand, describe, interpret and perform various coagulation tests Understand, describe, and identify the processes involved in thrombopoiesis Describe (identify the definition, incidence, pathophysiology, clinical features, aetiology, laboratory findings and treatment) various haemostatic disorders. |
| Haematolog y 4 | HAEHBY 4 | 50% | 50% | 8 | 12 0 | The purpose of this module is to diagnose and understand the pathophysiology of various haematological diseases, including anaemias, haemostatic disorders and haematological malignancies. | On successful completion of this module, students will be able to: Describe (identify the definition, incidence, pathophysiology, clinical features, aetiology, laboratory findings and treatment) various haematological disorders by integrating the information learned in haematology 2-3. Understand, describe, interpret, and perform various haematology tests |
| Human Anatomy, Physiology and Disease 1 | HAPDBY 1 | 100% | 0% | 6 | 30 | The purpose of this module is to provide foundational knowledge for pathology and clinically related | On successful completion of this module, students will be able to: Anatomy EGULATIONS 2025 |

subjects. It will enable Describe and apply all students to gain anatomical terminology. understanding of the Describe the types of structure of the human tissues in the body, body and the classification and relationship for the functions of epithelial function of different tissue. organ systems. This Compare the structures module prepares the and functions of the student for all the specialist subjects various types of from second to final connective tissue. years. Describe the muscle and neural tissue of the body. locate the major endocrine organs, describe their structure and the effect of the hormones they produce Describe the anatomy of the female reproductive system, mammary glands Discuss the organisation and structure of the nervous system, outline structure of the central nervous system, describe the structure of the peripheral nervous svstem Describe the structure of the eye, ear and tongue, the anatomy of the heart, discuss the structure of blood vessels. Describe the anatomy of the respiratory system, structure of gastrointestinal tract, oral cavity, pharynx, stomach, and oesophagus, small intestine and associated glandular organs Understand fluid and electrolyte balance and their disorders Define the basic principles, terms and concepts of Physiology,

| | - | 1 | 1 | I | 1 | | -1:45 |
|-------------------|----------|-----|-----|---|----|---|---|
| | | | | | | | different levels of organisation in living organisms. Identify the organ systems of the body, outline the characteristics of living organisms and discuss the survival needs of living organisms and the importance of homeostasis in living organisms. Understand infections and classify the different types of infections and the Host responses to infections Discuss the disease mechanisms involved in |
| Histopathol ogy 2 | HTPHBA 2 | 50% | 50% | 6 | 12 | The purpose of this module is to introduce the student to the basic concepts and branches of histopathology. This module will prepare the student for laboratory methods, procedures, and more complex material regarding histology techniques and content. | of this module, students will be able to: use medical and technical terms, route specimens to specific laboratories and know what methods |

| | | | | | | | master all necessary microtomy, staining techniques, fault finding, tissue identification and quality control in the Histology laboratory produce artefact free slides for the identification of pigments, theoretically know how to run and prepare mounts for an Anatomy and Pathology Museum |
|-------------------------|-------------|-----|-----|---|------|---|--|
| Histopathol ogy 4 | HTPHBY 4 | 50% | 50% | 8 | 12 0 | The purpose of this module is to provide students with the theoretical and practical knowledge to integrate information learned and apply it in diagnostic histopathological cases. | On successful completion of this module, students will be able to: Describe (identify the definition, incidence, pathophysiology, clinical features, aetiology, laboratory findings and treatment) various histologically diagnosed disorders by integrating the information learned in histopathology 2. Understand, describe, interpret, and perform various histopathology tests |
| Immunohae matology 2 | IMHHBA 2 | 50% | 50% | 6 | 12 | The purpose of this module is to introduce students the to main clinical aspects of transfusion medicine | of this module, students will understand: |

| | | | | | | | Autoimmune hemolytic disease. Blood components: |
|-------------------------|-------------|-----|-----|---|------|--|--|
| | | | | | | | preparation, storage, quality control. |
| | | | | | | | The immunohaematological and clinical criteria for the selection and assignment of blood components |
| | | | | | | | The transfusion's legislation. Relevance to the lab technician |
| | | | | | | | The good use of blood: transfusion safety and appropriateness. The main transfusion reactions |
| | | | | | | | Hemolytic disease of the newborn |
| Immunohae matology 4 | IMHHBY 4 | 50% | 50% | 8 | 12 0 | The purpose of this module is to provide students with the theoretical and practical knowledge to integrate information learned and apply it in diagnostic | On successful completion of this module, students will know the main clinical aspects of transfusion medicine and practices of good use of blood. |
| Immunolog y 1 | IMMHBB 1 | 50% | 50% | 6 | 12 | This module will introduce the students to normal and abnormal physiology to the recognition and diagnoses of diseases affecting the systems that will be covered. | After completion of this module students will be able to: Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic biological concepts. |
| | | | | | | | Work effectively with others as a member of a team, group, organisation, or community by means of project presentations |
| | | | | | | | Organise and manage oneself and one's |

| | | | | | | | activities responsibly and effectively by the attendance of lectures and self-study. |
|---|-------------|-----|-----|---|------|---|--|
| | | | | | | | Collect, analyse, organise and critically evaluate information by means of preparation of the project. |
| | | | | | | | Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. |
| | | | | | | | Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different anatomical/ Physiological/Biological concepts |
| Immunolog y 4 | IMMHBY 4 | 50% | 50% | 8 | 12 0 | The purpose of this module is to provide students with the theoretical and practical knowledge to integrate information learned and apply it in diagnostic. | On successful completion of this module, students will be able to: Describe (identify the definition, incidence, pathophysiology, clinical features, aetiology, laboratory findings and treatment) various immunologically diagnosed disorders by integrating the information learned. |
| | | | | | | | Understand, describe, interpret, and perform various immunological tests |
| Integrative Medical Laboratory Sciences IIIA (Clinical Practice Theory) | IMLHBA 3 | 50% | 50% | 7 | 9 | The purpose of this module is to develop the proficiency to arrive at disease diagnosis by integrating information acquired from the | At the end of this module, you need to have achieved the following: Identify diseases by analysing the signs, symptoms |
| 180 | | | | | | RULES AND R | EGULATIONS 2025 |

| | | | | | | different laboratory test results in all disciplines (core modules) in conjunction with a wholesome understanding of the disease from aetiology (cause), pathophysiology (mechanisms), and its manifestations (signs and symptom). | • |
|---|-------------|-----|-----|---|----|--|---|
| Integrative Medical Laboratory Sciences IIIB (Clinical Practice) | IMLHBB 3 | 50% | 50% | 7 | 60 | The course provides an opportunity for the student to gain exposure to the following: developing a broad insight into mainstream medical technology gaining "hands-on" experience in the practical operation of a working medical laboratory acquiring a basic level of skill in relevant laboratory techniques experiencing the working environment | will be able to: Apply laboratory and work ethics, medical law and human rights Apply safety protocols applicable to medical pathology laboratories. Apply quality control procedures relevant to testing processes and laboratory standard operating procedures (sops). Maintain laboratory |

| | | | | | of the practicing | accordance with site |
|--|-------------|--------|-----|----|---|--|
| | | | | | medical technologist | specific sops. |
| | | | | | experiencing differences in various disciplines within the | Discuss the workflow and compile an organogram of a laboratory. |
| | | | | | medical laboratory Experiencing relationships with the | Maintain professional integrity and display dependability. |
| | | | | | employer, other members of the health-care team and | Display co-operation and effective communication. |
| | | | | | colleagues within a medical laboratory | Perform calculations relevant to reagent |
| | | | | | Fulfilling part of the requirement of the relevant qualification. | preparation and generation of patient results. |
| | | | | | This exposure will allow the student to make an informed choice regarding their preferred discipline and, ultimately, their career path. | Perform discipline specific outcomes as defined. |
| Introduction to Laboratory Sciences 1A | IMLSBA 1 | | % 5 | 8 | The purpose of this module is to introduce the student to the profession and the various specializations in the diagnostic laboratory. This module will further introduce the students to medical law and ethic. These foundation courses pave the way from simple concepts to complex application of knowledge in case studies | The outcome is the achievement of the purpose of the qualification as stipulated in the curricula. This qualification also leads to registration with the Health Professions Council of South Africa (HPCSA) as Medical Laboratory Scientists. Introduction to Medical Laboratory Science, IMLSBA1 is a fundamental module for application of basic knowledge in Medical Laboratory practice. This module is the foundation for subsequent modules |
| Introduction to laboratory Sciences 1B | IMLSBB 1 | 100% 0 | % 5 | 18 | This module will introduce students to medical laboratory science equipment, the requisite skills that are required for university level use and maintenance of | On successful completion of this module, students will have an: Understanding of common laboratory assays and functions. |
| | | | | 1 | and maintenance of | |

| | | | | | | equipment . This module will further introduce the students to current 4IR developments that are being implemented in MLS. This module is not only relevant to the student's present academic programme but is also relevant to his/her future personal and professional life in Medical Science. | Understanding common laboratory assays collection and function. Understanding instrument calibration and knowing how to set acceptable limits for various applications. Understanding the principles of Spectrophotometry, Cytometry, microscopy, PCR thermocyclers and Automated laboratories. Guidelines for information management in a laboratory. Describing the principle of PCR and discussing PCR applications. Defining 4IR and its role in Modern Laboratory |
|--------------------------------|-------------|-----|-----|---|---|---|---|
| Laboratory Manageme nt 4 | LBMHBA 4 | 50% | 50% | 8 | 5 | The purpose of this module is to introduce the student to the basic concepts of laboratory management and aims to introduce the topic of entrepreneurial laboratory management. It mainly focuses on the start of a new business, recruitment of new staff and the general management of staff. This module is not only relevant to the student's present academic programme but is also relevant to his/her future personal and professional life in Medical Technology. | On successful completion of this module, the student should be able to: Identify the different clients, socioeconomic level of population and competitors. Identify and comply with the legalities involved to start a medical technology laboratory. Compile a product mix by looking at the list of possible clients and their specific needs Compile a budget for the set-up cost, bridging finance for the first 3 months as well as creating an income statement. Devise a marketing strategy and focussed direction to optimally utilise the strengths of the |

| | | | | | | | laboratory and the clients available. Draw up a SWOT analysis for the proposed business as well as the different business opportunities identified Recruit, select and manage staff |
|---|-------------|-----|-----|---|----|---|---|
| Medical Microbiolog y 2A | MDMHBA | | 50% | 6 | 12 | The purpose of this module is to introduce the student to the basic concepts and branches of Microbiology. | On successful completion of this module, the student should be able to identify the basic requirements for the laboratory isolation of micro-organisms, understand the genetic structures and the processes necessary to control the growth and spread of micro-organisms during infections and in the environment. |
| Medical Microbiolog y 2B | MDMHBB 2 | | 50% | 6 | 12 | The purpose of this module is to introduce to students all the types of tasks they might be expected to perform in the routine medical microbiology laboratory. This will include the collection and handling of routine specimens, common isolates and how to identify them, their pathogenesis, and routine serological techniques. | On successful completion of this module, the student should be able to differentiate microorganisms from various human samples, food, water and milk samples according to the microscopic, cultures, biochemical and where applicable serological and molecular reactions. |
| Medical Microbiolog y 3 (Virology, Mycology, Parasitolog y) | MDMHBA 3 | 50% | 50% | 7 | 12 | The purpose of this module is to introduce the student to the identification of diseases associated with mycology infections, parasitology, and viruses. | On successful completion of this module, the student should be able to identify common fungal isolates based on the microscopic and colonial morphology, parasitic components like larvae, cysts and worms according to their life cycle and basic virology in terms of classification, |

| Medical Microbiolog y 4 | MDMHBY 4 | 50% | 50% | 8 | 12 0 | The purpose of the module is to integrate the theoretical knowledge covered in the 3 years of study into the laboratory setting diagnosing actual patient samples and micro-organisms | replication processes, culture, epidemiology and control alongside the serological methods to detect viral infections. On successful completion of this module, the student should be able to successfully apply all the microscopic, morphological, biochemical, serological, and molecular knowledge to provide a correct diagnosis |
|-------------------------------|-------------|-----|-----|---|------|---|--|
| Pharmacolo gy 4 | PHMHBY 4 | 50% | 50% | 8 | 12 | The purpose of the module is to focus students on the mechanisms by which chemical entities (drugs, hormones, transmitters, toxins) affect the human body. It is a vital discipline in Biomedical Sciences and of particular relevance to understanding how to treat many pathologies manifest in a patient population. | On successful completion of this module, the student should be able to: Describe the role of pharmacology in the study of disease. Demonstrate an understanding of the action of drugs and factors affecting the interactions of drugs with the human body. Outline the process of drug discovery. Demonstrate an understanding of some experimental approaches in pharmacological science. Describe the contribution that pharmacology makes to other biomedical sciences. Analyse and interpret data from basic pharmacological experiments |
| Physics 1B | PHYH1B 1 | 50% | 50% | 5 | 12 | The purpose of this module is to provide a factual knowledge of definitions, methods and principles in Physics, and a broad background knowledge of basic | On successful completion of this module, the student should be able to: Show understanding of, describe and demonstrate: |

| | | | | <u> </u> | | Physics to aid in the | Energy, Motion |
|-----------|----------|------|------|----------|---|---|---|
| | | | | | | understanding and | applications in |
| | | | | | | interpretation of future | Biomedical Sciences, etc. |
| | | | | | | scientific and | Biomodical Colonico, etc. |
| | | | | | | technological | Mechanics applications in |
| | | | | | | development and to | biological science |
| | | | | | | acquire the following | Total mechanical energy |
| | | | | | | life skills such as | 1 Star mooriamoar chorgy |
| | | | | | | identifying and solving | Fluid mechanics and |
| | | | | | | problems, working in | sound applications |
| | | | | | | groups and | Applications of Electrical |
| | | | | | | communicating | potential and circuits |
| | | | | | | effectively as is | · |
| | | | | | | needed by the | Applications of optics and |
| | | | | | | Biomedical | heat |
| | | | | | | Technologist. | Radiation exposure |
| | | | | | | To develop the applied | (descriptive) |
| | | | | | | practical and | (4300) |
| | | | | | | laboratory skills of the | |
| | | | | | | students required in | |
| | | | | | | the Biomedical | |
| D | DOMESTIC | F00/ | F00/ | _ | | Technology field. | 0 |
| Research | RSMHBB | 50% | 50% | 7 | 8 | The module aims to | On successful completion |
| Methods 3 | 3 | | | | | familiarise the student | of this module, the |
| | | | | | | with the tools to | student should be able to |
| | | | | | | develop an | do composition, problem |
| | | | | | | understanding of | identification, designing a |
| | | | | | | transitional research which encompasses | research topic, ethical |
| | | | | | | which encompasses basic science in the | guidelines, source |
| | | | | | | laboratory, clinical | referencing, plagiarism policies, data collection |
| | | | | | | investigations, and | and analyses, |
| | | | | | | population research. A | significance of statistics |
| | | | | | | sound study plan with | in research and framing a |
| | | | | | | a research question or | research proposal |
| | | | | | | hypothesis is ideal. It | P P |
| | | | | | | is important to | |
| | | | | | | understand the | |
| | | | | | | research need, how | |
| | | | | | | and when to design | |
| | | | | | | research. However, | |
| | | | | | | there is no single | |
| | | | | | | approach to planning a | |
| | | | | | | research study. It is, | |
| | | | | | | therefore, important | |
| | | | | | | for the student to have | |
| | | | | | | the tools to begin an | |
| | | | | | | enquiry that will lead to | |
| | | | | | | important advances in | |
| | | | | | | knowledge, albeit that | |
| | | | | | | they may be small or | |
| | | | | | | major scientific | |
| | | | | | 1 | breakthroughs. This | |

| | | | | | | module aims to accomplish all these purposes for a successful research outcome. | |
|---|-------------|-----|-----|---|----|--|--|
| Research Project IV (Mini Dissertation in the field of Specialisati on) | RSPHBY 4 | 50% | 50% | 8 | 12 | The purpose of this module is to provide the necessary support to students to do a research project. | On successful completion of this module, the student should be able to write up and submit a scientific research report in a form of a dissertation. |
| Statistical Methods 1A | SMT01A 1 | 50% | 50% | 5 | 8 | The purpose of this module is to provide the necessary support to students to deal with calculations and the handling of data encountered in the curricula and subsequent research topics. | of this module, students |

HS12.2 <u>DEPARTMENT OF CHIROPRACTIC</u>

BACHELOR OF HEALTH SCIENCES IN CHIROPRACTIC (B9C01Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|-----------|-------------|-----------|-----------|-------|---------|--|---|
| Anatomy 2 | ANTCH Y2 | 10 0 % | 0% | 7 | 3 0 | This module introduces advanced knowledge of human anatomy | On completion of this learning event, students should be able to: Understand the gross anatomy of the regions of the human body comprising the following units: surface anatomy and landmarks, skeletal anatomy, muscular and other soft tissue anatomy, cardiovascular anatomy, neural anatomy Describe the embryology of the human body comprising the following units: Early embryology and systemic/regional embryology (Head and |
| 407 | | | | | | | ECLILATIONS 2025 |

| | 1 | | 1 | _ | | • | |
|--------------------------|-------------|-------|----|---|----|---|---|
| | | | | | | | Neck, Cardiovascular system, Gastrointestinal System, Urinary System, Reproductive System) Explain Systemic Histology of the human body comprising the following units: Basic tissues, Respiratory system, Cardiovascular system, Gastrointestinal System, Urinary System, Reproductive System, Endocrine System, Lymphatic System |
| Anatomy and Physiology 1 | ANPCHY 1 | 100 % | 0% | 5 | 35 | This modules introduces the student to the concepts of anatomy and physiology required for articulation into 2nd year modules in anatomy and physiology | On completion, the student will be able to; • Understand the concepts and systems associated with anatomy and physiology, from human cells and tissues to surface anatomy • Describe the anatomy of the various body systems, namely the structures and functions of the skin and appendages, the musculoskeletal system, the central and peripheral nervous system, the reproductive system, the reproductive system, the cardiovascular system, the lymphatic system, the lungs and respiratory system, the digestive tract and the urinary system. • Discuss the physiology of the various body systems in relation to the anatomy and function of these systems. |
| Biodiversity | BIODIY1 | 100 | 0% | 5 | 20 | This module will enable you to gain the relevant introductory biological background applicable to Chiropractic and Complementary Medicine in the following topics: An introductory view of life; The cell; Genetic basis of life; Evolution; Microbiology and Evolution; Plant Evolution and Biology; Animal Evolution and Diversity. | 1. Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiologic al/Biological concepts. 2. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. |
| 188 | | | | | | NULES AND R | LOOLATIONO ZUZJ |

| | | | | | | | Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. Collect, analyse, organise and critically evaluate information by means of preparation of the project. Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different Anatomical/Physiologic al/Biological concepts. |
|------------|---|-----|-----|---|----|--|---|
| Chemistry1 | 1 | 50% | 50% | 5 | 20 | The primary purpose of this module is to develop the basic knowledge and understanding of chemical principles and techniques of general chemistry as required for further modules in Chiropractic and Homoeopathy. | 1. Defining the science called chemistry and introducing some fundamental concepts. Make and record measurements of the properties and chemical behavior of matter. 2. Explain the atomic theory, discuss atomic structure, and finally describe the periodic table, which organizes the elements according to: 2.1 Atomic theory of matter 2.2 The structure of the atom 2.3 Nuclear structure; isotopes 2.4 Atomic masses 2.5 Periodic table of the elements 2.6 Chemical formulas, molecular and ionic substances 2.7 Naming simple compounds 2.8 Writing chemical equations 2.9 Balancing chemical equations 3.Establish a critical relationship between the |

| | , | , , | T | |
|-----|---|---------|-------------------------|--------------------|
| | | | mass of a d | |
| | | | substance | and the quantity |
| | | | of that subs | |
| | | | | olore how the |
| | | | | composition |
| | | | | percentage of |
| | | | | ts in a chemical |
| | | | | |
| | | | | can be used to |
| | | | | the chemical |
| | | | | evelop a molar |
| | | | | on of chemical |
| | | | equations, | which then |
| | | | allows for o | alculation of the |
| | | | quantities o | of reactants and |
| | | | products. | |
| | | | | ow molecular |
| | | | and ionic s | |
| | | | | en they dissolve |
| | | | | form solutions. |
| | | | | |
| | | | Investigate | |
| | | | | pes of reactions |
| | | | that typical | |
| | | | aqueous so | |
| | | | | n reactions, |
| | | | | reactions, and |
| | | | oxidation-r | eduction |
| | | | reactions. (| Quantitatively |
| | | | | olutions using |
| | | | | on. Finally, use |
| | | | chemical re | |
| | | | aqueous so | |
| | | | | the amount of |
| | | | | |
| | | | substance | |
| | | | present in i | |
| | | | 5.The Gase | |
| | | | | quantitative |
| | | | | s that describe |
| | | | | or of gases and |
| | | | develop a r | nodel of gases |
| | | | as molecul | es in constant |
| | | | random mo | |
| | | | 6.Thermoc | |
| | | | Understand | • |
| | | | properties | |
| | | | reaction an | |
| | | | | |
| | | | | em, including |
| | | | how to use | |
| | | | | he nature of |
| | | | light. Unde | |
| | | | formation of | |
| | | | bonds and | electronic |
| | | | structure of | atoms. Discuss |
| | | | some basic | notions of |
| | | | | echanics, which |
| | | | is the theor | |
| | | | | extremely small |
| | | | | uch as electrons |
| | | | in atoms. | acii ac cicciitiis |
| | | | | lo to |
| | | | | le to |
| | | | | e an atomic |
| | | | | our quantum |
| | | | | , I, mI, and ms. |
| | | | | w electrons are |
| | | | distributed | among the |
| 190 | | | RULES AND REGULATIONS : | |
| | | | | |

| | ı | | | 1 | l | | |
|-----------------------------|----------|----------|-----|---|----|--|--|
| | | | | | | | possible orbitals of an |
| | | | | | | | atom. Appreciate how the |
| | | | | | | | periodic table can be |
| | | | | | | | explained by the periodicity |
| | | | | | | | of the ground-state |
| | | | | | | | configurations of the |
| | | | | | | | elements |
| | | | | | | | Describe and |
| | | | | | | | discuss basic concepts of |
| | | | | | | | chemical bonding |
| | | | | | | | Predict the |
| | | | | | | | molecular geometry of a |
| | | | | | | | molecule—that is, its |
| | | | | | | | general shape as |
| | | | | | | | determined by the relative |
| | | | | | | | positions of atomic nuclei— |
| | | | | | | | with a simple model: the |
| | | | | | | | valence-shell electron-pair |
| | | | | | | | repulsion model. |
| | | | | | | | Explore molecular |
| | | | | | | | geometry, by explaining |
| | | | | | | | chemical bonding by |
| | | | | | | | means of valence bond |
| | | | | | | | theory, and be able to give |
| | | | | | | | insights into why bonds |
| | | | | | | | form and why they have |
| | | | | | | | definite directions in space, |
| | | | | | | | giving particular molecular |
| | | | | | | | geometries |
| | | | | | | | 11. Organic Chemistry |
| | | | | | | | Define organic chemistry |
| | | | | | | | using terms such as |
| | | | | | | | functional groups, saturated |
| | | | | | | | or unsaturated, aromaticity |
| | | | | | | | and homologous series and |
| | | | | | | | be able to name and draw |
| | | | | | | | structures of the following |
| | | | | | | | classes of organic |
| | | | | | | | molecules: |
| | | | | | | | Alkanes |
| | | | | | | | Alkenes |
| | | | | | | | • Alkynes |
| | | | | | | | Aromatic |
| | | | | | | | compounds |
| | | | | | | | |
| | | | | | | | Alkyl halidesAlcohols and |
| | | | | | | | phenols |
| | | | | | | | Ethers and thiols |
| | | | | | | | |
| | | | | | | | Aldehydes and ketones |
| | | | | | | | ketones Carboxylic acids |
| | | | | | | | Odi boxyilo doldo |
| | | | | | | | and derivatives |
| | | | | | | | 12. Investigate the |
| | | | | | | | diverse chemistry of |
| | | | | | | | transition elements. |
| | | | | | | | Transition elements can |
| | | | | | | | form a distinct set of |
| | | | | | | | substances (often highly |
| | | | | | | | colored) from complex ions |
| | | | | | | | called coordination |
| | | | | | | | compounds. |
| Ohine | CDDC/ N/ | 100 | 00/ | _ | 20 | This was deleted in the dece | On computation the extension |
| Chiropractic Principles and | CPPCHY | 100 % | 0% | 5 | 20 | This modules introduces theoretical constructs | On completion the student will be able to |
| i Philiciples and | | | | | | | |
| ' 191 | 1 | 70 | | ļ | | RULES AND R | EGULATIONS 2025 |

| Practice 1 | | | | | | and history of the profession relating to the chiropractic profession. | Have a good understanding of the History of Chiropractic. Discuss the different types of Chiropractic techniques. Have a comprehensive understanding of the different theories of Chiropractic. Understand the role of chiropractic in the health arts and the scope of chiropractic, and its indications and contraindications. |
|--|-------------|-------|----|---|----|---|--|
| Chiropractic Principles and Practice 2 | CPPCHY 2 | 100 | 0% | 7 | 20 | This module introduces basic chiropractic principles including aspects relating to motion palpation, evidence based chiropractic and the biopsychosocial model, and evidence relating to safety and effectiveness of techniques in the profession | On completion the student will be able to Explain how evidence based principles are applied in the chiropractic context Discuss the relevant research relating to safety and effectiveness of chiropractic Discuss the biopsychosocial model as it relates to chiropractic. Demonstrate motion palpation of the spine Demonstrate basic manipulation techniques |
| Chiropractic Principles and Practice 3 | CPPCHY 3 | 100 % | 0% | 7 | 25 | This module develops the students ability to perform basic spinal manipulative techniques, with a focus on biomechanics of manipulation and evidence based approaches. | On completion the student will be able to Become reacquainted with the osteology of the vertebral column and the pelvis. Understand the location of the basic anatomical landmarks of the musculoskeletal system (living anatomy pertaining specifically to the practice of chiropractic) and be able to apply this information in the practice of manipulative adjusting procedures. Understand and apply anatomical spinal levels to the vertebral column on a patient. Evaluate posture in the standing positions. Assess the biomechanical function of the vertebral column using motion palpation technique. |

 Assess every such joint of the vertebral column in all directions of range of motion and further to describe restricted ranges of motion as such detected on motion palpation. Understand and describe the functional anatomy of the vertebral column and the pelvis in order to understand, visualize and ably perform the practice of motion palpation of the vertebral column. Become acquainted, acquire and perfect the basic chiropractic technique set-ups in all positions across the four areas of the vertebral column (cervical, thoracic, lumbar and pelvis areas). Competently manipulate a joint at any prescribed level using any of the techniques in this course in a controlled environment i.e. under supervision by a qualified Chiropractor. To begin to think in a clinical manner with regard to the presentation of uncomplicated cases in the management of a neuromusculoskeletal problem. Understand the basic research background validating Chiropractic as the choice of treatment available for the management of back pain, neck pain and headache of neuromusculoskeletal origin. Become generally acquainted with some of the measurement tools RULES AND RECUEATIONS 2025 **FACULTY OF HEALTH SCIENCES**

| | | | | | | | measurement of pain and disability as they pertain to lower back and |
|--|-------------|----------|----|---|----|--|--|
| Chiropractic Principles and Practice 4 | CPPCHY 4 | 100 % | 0% | 8 | 25 | This module presents chiropractic spinal manipulative techniques, and contraindications and the appropriate assessments techniques at an advanced level for each technique. | neck pain. On completion of this module, student should be able to: Discriminate the relevant listings for the specific adjustment techniques. Perform the adjustment correctly, with knowledge of the correct patient position, doctors position, contact and type of thrust. Evaluate the biomechanics of the spine with relevance to the adjustment in terms of patient management. |
| | | | | | | | Arrange the contra- indications and precautions of chiropractic manipulative therapy. Effectively utilize the theoretical knowledge acquired and apply it practically to choose the correct procedures to be utilized on patients |
| Clinical and Applied Biomechanics 4 | CABCHA 4 | 100 % | 0% | 8 | 10 | This module will present the physical properties and mechanical behavior of body tissues, including mechanisms of injury and pathological processes and the necessary spinal biomechanical knowledge required in clinical chiropractic practice, in specific relation to spinal manipulation and rehabilitation. | On completion of this module the student will be able to: |
| Clinical Chiropractic 4 | CLCCHY 4 | 100 % | 0% | 8 | 25 | This module presents the basis from which to manage all patients that you will treat. This course provides a | On completion of this module as student should be able to: Perform a Cervical spine regional examination |

| | | | | | | tangible link between theoretical knowledge and practice. It will present knowledge which will enable a determination of which cases may be treated by Chiropractors and which will have to be referred out to other health care professionals. | to formulate a diagnosis Perform a Lumbar spine regional examination to be able to formulate a diagnosis Have a comprehensive understanding of the different conditions that may affect the human spine in the assessment of a patient to differentiate and diagnose the various conditions that may affect the human spine. Know what special investigations and additional tests may be required to diagnose a specific condition. Have a good understanding of the various congenital anomalies (abnormalities) that may affect the spine and how these may affect CMT treatment options. |
|------------------------|-------------|-------|----|---|----|---|--|
| Clinical Diagnostics 3 | CLDCHY 3 | 100 % | 0% | 7 | 20 | This module introduces the physical examination of patients in a systematic manner to determine and identify abnormal findings | On completion the student will be able to: Outline the steps involved in case taking and the approach to a patients and their symptoms Take a case from a patient, including a comprehensive health history, presenting complaints and a review of systems Explain the concepts associated with the process of differential diagnosis Identify diagnostic tests and special investigations that may be performed for each body system Conduct a general survey of a patient, including vital signs (blood pressure, pulse rate, respiratory rate and temperature) and general observations Perform a physical examination on a patient, including all relevant examinations that must be completed for the assessment of each system and at various life stages. |

| Clinical Practice 4 | CPRCHY 4 | 100 % | 0% | 8 | 25 | This module introduces Good Medical Practice and Clinical Practice relating to: | On completion the student will be able to: Identify and solve clinical problems, including identifying and implementing basic therapeutic interventions for pre-diagnosed patients Make responsible decisions using critical and creative thinking. Work effectively with others as a member of a team, group, organisation, community. Critically evaluate information through the process of collecting, analyzing and organizing information Communicate effectively using visual, mathematical and/or language skills in the modes of oral and/or written persuasion. Use science and technology effectively and critically, showing responsibility towards the environment and health of others |
|------------------------|-------------|-------|----|---|----|---|--|
| Clinical Psychology | CLPCHY 3 | 100 % | 0% | 7 | 15 | A student can be deemed competent if: Concepts to understand the following; Abnormal Behavior, Psychological and behavioral disorders: personality disorders, eating disorders, mood disorders, anxiety disorders, schizophrenia, substance abuse and addictions, somatoform and dissociative disorders, attention-deficit/hyperactivity disorder (ADHD), conduct problems (CP), sleep disorders, elimination disorders and chronic illness can be applied. Legal and Ethical Issues in Abnormal Psychology, Clinical Discorders. | On completion the student will be able to apply concepts to: Understand the following; • Abnormal Behavior • Psychological and behavioral disorders: personality disorders, eating disorders, mood disorders, anxiety disorders, schizophrenia, substance abuse and addictions, somatoform and dissociative disorders, cognitive disorders, attention-deficit/hyperactivity disorder (ADHD), conduct problems (CP), sleep disorders, elimination disorders and chronic illness •Legal and Ethical Issues in Abnormal Psychology •Clinical Assessment and Diagnosis •Developmental & Learning Disorders •Child Maltreatment and |

| | | | | | | Assessment and Diagnosis, Developmental & Learning Disorders, Child Maltreatment and Non-accidental trauma can be explained and applied in the clinical environment. The contextualization of an Integrative Approach to Abnormal Child Psychology and counselling skills are understood and an overview can be given and applied as applicable. | Non-accidental trauma Overview and contextualization of an Integrative Approach to Abnormal Child Psychology Counselling skills |
|--|----------|-------|----|---|----|---|--|
| Human Biochemistry and Disease 1 | HBDCHY 2 | 100 % | 0% | 7 | 25 | This course aims to familiarize the student with the biochemistry as it relates to human processes and their causal link to diseases. | On completion the student will be able to: •Understand and describe the common functional groups and bonds in biochemistry as well as describe the importance and special properties of water. •Describe the concepts and underlying principles of pH and buffers and do calculations relevant to it. •Describe the general properties, kinetic and mechanism of enzymes, their different classes and explain their function and general reaction of each class. •Explain fully the relationship between enzymes, coenzymes and vitamins, as well as give the chemical structure, biochemical name, occurrence and the biochemical function of each vitamin. •Explain the reaction mechanisms of multisubstrate reactions, as well as the different types of enzyme inhibition encountered. •Define intermediary |
| 197 | | | | | | RULES AND R | metabolism. EGULATIONS 2025 |

| | | | | , | | | |
|--------------|--------|-----|----|---|----|---|---|
| Medical | MDMCHA | 100 | 0% | 6 | 10 | The module aims at | Describe the chemical composition of DNA and RNA in detail. Understand the metabolism of amino acids and proteins Understand the metabolism of carbohydrates Understand lipid metabolism |
| Microbiology | 2 | % | | | | preparing students to discuss and apply microbiology principles, procedures and equipment in relation to the vocational degree in Chiropractic or Homoeopathy | On completion of this learning event, students should be able to: •Describe important discoveries in microbiology and explain their influence in modern times •Describe the structure and characteristics of the cell membrane •Describe interactions between micro-organisms and their human hosts •Explain selected examples of serological tests •Discuss characteristic, pathogenesis, transmission and effects of selected pathogenic microbes: •Staphylococcus •Streptococcus (S. pyogenes, S.pneumoniae and viridans) •Neisseria •Clostridium (C. tetani, C. botulinum and C. perfringens) •Mycobacteria •Enterobacteriaceae (Salmonella, Shigella, Escherichia coli) •Vibrio cholera •Give a brief overview of Yeasts •Describe the classification and characteristics of moulds. •Give an overview of medically important protozoa and parasites and their diseases and life cycles •Give a brief overview of Rickettsia, Chlamydia and Mycoplasma, their cell structures and roles in disease |
| | | | | | | · · · · · · · · · · · · · · · · · · · | |

| | | | | | | | characterisation and |
|--|-------------|-------|----|---|----|---|---|
| | | | | | | | classification. •Describe control of micro- |
| Myofascial and Auxiliary Therapies 3 | MATCHY 3 | 100 % | 0% | 7 | 25 | This module is presented to equip the students with the knowledge and skill to perform a number of ancillary techniques which may be used to facilitate the relief of pain in conjunction with the chiropractic manipulation. | organisms On completion the student will be able to Review the different types of pain as well as their causes and apply the theories of pain. Differentiate the mechanism of pain relief. Explain the modulation of pain and be able to utilize the various manual and electrotherapies effectively and safely. Explain the effects and uses of the various manual and electrotherapies. Explain the contraindications and precautions of the manual and |
| Myofascial and | МАТСНВ | 100 | 0% | 8 | 10 | This module will present | electrotherapies. • Effectively demonstrate the theoretical knowledge of each modality and apply it to the practical application. On completion of this |
| Auxiliary Therapies 4 | 4 | % | | | | common myofascial trigger point regions, with emphasis on dry needling techniques of spinal musculature | module students should be able to: Describe the anatomy, innervation and function of the muscles relevant to this course. Explain the trigger points in these muscles. Comment on and draw the referred pain patterns for these muscles. Appraise the symptoms exhibited by specific muscles due to the presence of myofascial trigger points. Diagnose specific myofacial conditions and give possible differential diagnoses. |
| | | | | | | | each muscle.Appraise a patient and locate trigger points. |
| | | L | | | | DI II EO AND D | Treat myofascial |

| Pathology 3 PATCHY 100 0% 7 20 This module has the primary purpose of providing the learner with a well-rounded broad knowledge base and theory that enables when the describe the netiology, pathogenesis, morphological changes and their clinical significance of specific disease processes as they affect particular provides a sound foundation formal report. Personal and Professional Development 1 % 9 10 0% 5 10 11 11 11 11 11 11 11 11 11 11 11 11 | | T . | 1 | l | | l | Г | fulsional palieta contra |
|--|--------------|-----|---|----|---|----|--|---|
| Pathology 3 PATCHY 100 0% 7 20 This module has the primary purpose of providing the learner with a well-rounded broad knowledge base and theory that enables the motological changes and their clinical significance of specific disease processes as they affect particular organs or systems. Personal and Professional Development 1 Personal and Professional Development 2 Personal and Professional Development 1 Personal and Professional Development 2 Personal and Professional Developme | | | | | | | | techniques o Dry needling techniques o Post isometric relaxation |
| Personal and Professional Development 1 Personal and Professional Development 2 Personal and Professional Development 3 Personal and Professional Development 3 Personal and Professional Development 4 Professional Development 4 Professional Development 5 Professional Development 6 Professional Development 7 Professional Development 8 Professional Development 8 Professional Development 9 Professional Development 9 Professional | | | | | | | | corrective actions and advice to the patient. Prescribe home based exercises to stretch and strengthen the involved |
| Professional Development 1 Solution Professional Development Profess | | 3 | % | | | | primary purpose of providing the learner with a well-rounded broad knowledge base and theory that enables them to describe the aetiology, pathogenesis, morphological changes and their clinical significance of specific disease processes as they affect particular organs or systems. | this module will equip the student with the theoretical knowledge necessary to explain the symptoms manifested by patients and provide a sound foundation for rational clinical care and therapy. |
| methods •Identify and utilise formats for writing essays and formal report. •Interpret material and form links between concepts and theories producing a coherent argument •Develop verbal and written reasoning and fluency. •Develop their ability to write effectively using academic and business conventions such as | Professional | | | 0% | 5 | 10 | life skill relating to academic progress, skills and communication. Introduction to an African language will | Use processes and systems of learning management within the University Use the Harvard Date Author academic referencing system |
| links between concepts and theories producing a coherent argument •Develop verbal and written reasoning and fluency. •Develop their ability to write effectively using academic and business conventions such as | | | | | | | | methods •Identify and utilise formats for writing essays and |
| write effectively using academic and business conventions such as | | | | | | | | links between concepts and theories producing a coherent argument •Develop verbal and written |
| 200 PULES AND DECLII ATIONS 2025 | | | | | | | | write effectively using academic and business conventions such as |

| | | | | | | | essays and formal reports. |
|---|-------------|-------|----|---|----|--|--|
| Personal and Professional Development 2 | PPDCHY 2 | 100 % | 0% | 7 | 10 | This modules introduces concepts relating to personal development, evidence based practice, professional communication, referencing formats. | On completion the student will be able to Identify their personal strengths and weaknesses in relation to their degree programme and the expectations of the professional environment or potential employers. |
| | | | | | | | •Work independently and in groups •Identify appropriate actions they should take to enhance their personal qualities and competences in relation to their life and their career |
| | | | | | | | Improve their ability to study effectively and efficiently at undergraduate level Interpret material in an original and evaluative way |
| | | | | | | | •Demonstrate techniques for presentations |
| | | | | | | | •Use a variety of information sources in their research and learning activities |
| | | | | | | | •Keep effective records of their learning and progress towards personal, academic and career goals •Plan, organise and structure work that is coherent, fluent and accurate. •Write effectively using academic and business conventions, such as |
| Pharmacology | PHMCHA 3 | 100 | 0% | 6 | 10 | Introduction to Pharmacology as | essays and formal reports. On completion the student will be able to understand |
| | | | | | | related to health care and management in | and apply the principles of pharmacology in terms of: |
| | | | | | | general. | Drugs Affecting the Autonomic Nervous System Pain and inflammation Drugs Affecting the Immune System Drugs Affecting |
| 201 | | | | | | DI II ES AND D | Cardiovascular System |

| | T | | | 1 | 1 | T | |
|------------------------------|-------------|------|------|-------------|----------|---|--|
| Dhysics of | DLIVOLIA | E00/ | E09/ | - | 10 | This modules into the | Drugs Affecting Central Nervous System Drugs Affecting the Endocrine System Respiratory System Gastro-intestinal System Chemotherapeutic Drugs |
| Physics of Health Sciences 1 | PHYCHA 1 | 50% | 50% | 5 | 10 | This modules introduces physics concepts such as: | On completion the student will be able to Use scientific notation and the decimal system to manipulate SI-units. Apply knowledge of vector theory in mechanical problems Explain the concepts of work done, kinetic energy, potential energy, the law of conservation of energy, power Explain heat capacity, latent heat, linear-, area-, volume-expansivities. Define the terms density, relative density and pressure Explain the production of static electricity by friction using the electron theory Describe the nature and properties of alpha, beta and gamma radiations, derive from basic principles the law of radioactive decay Explain wave-particle duality, quantum, quantized photon, quantization of energy, photo electric effect, wave nature of electrons Explain the production and transmission of sound in a medium recognise sound as a longitudinal wave and describe the different types of ultrasound scan. |
| Physiology 2 | PHYCHY 2 | 100 | 0% | 6 | 10 | This modules introduces advanced applications of human physiology | On completion the student will be able to: • Describe the structure and the functions of the integumentary system and its associated appendages • Describe the physiological mechanisms involved in movement • Explain the physiological mechanisms |
| | I | l | 1 | | <u> </u> | 1 | i j j j j j j j j j j j j j j j j j j j |

| | | | | | | | of communication, integration and control of the nervous system. Relate the structures and functions of the endocrine glands and reproductive organs to their functions Describe the anatomy and physiology of the circulatory system. Describe the structure and function of the immune system, highlighting the role of the lymphatic system. Describe the anatomy and physiology of the respiratory system. Describe the |
|-----------|----------|-------|----|---|----|--|---|
| Radiology | RADCHB 3 | 100 % | 0% | 7 | 10 | The overall purpose of this subject is to familiarize students with x-rays and normal Anatomy visible on x-rays. | anatomy and physiology of the urinary system. Understand where the x-ray image comes from, the different components in Radiology and when to refer to which one and the basic terminology. When the learner has completed the sections he/she should be able to demonstrate an understanding of: • normal anatomy of the hand looks like on x-ray and identify the different structures. • normal anatomy of the wrist looks like on x-ray and identify the different structures. • what normal anatomy of the radius, ulna and elbow joint look like on x-ray and identify the different structures. • what normal anatomy of the radius, ray and identify the different structures. • what normal anatomy of the humerus and shoulder joint look like on x-ray and identify the different structures. • what normal anatomy of the foot and ankle look like |

| | 1 | | П | | | T | | |
|-------------|--------|-----|----|---|----|--------------------------|---------|---|
| | | | | | | | | on x-ray and identify the different structures. |
| | | | | | | | • | what normal |
| | | | | | | | | anatomy of the |
| | | | | | | | | tibia, fibula and |
| | | | | | | | | knee look like on x- |
| | | | | | | | | ray and identify the |
| | | | | | | | | different structures. |
| | | | | | | | • | what normal |
| | | | | | | | | anatomy of the hip |
| | | | | | | | | looks like on x-ray |
| | | | | | | | | and identify the |
| | | | | | | | | different structures. |
| | | | | | | | • | what normal |
| | | | | | | | | anatomy of the |
| | | | | | | | | pelvis looks like on |
| | | | | | | | | x-ray and identify |
| | | | | | | | | the different |
| | | | | | | | _ | structures. |
| | | | | | | | • | what normal anatomy of the |
| | | | | | | | | lumbar spine looks |
| | | | | | | | | like on x-ray and |
| | | | | | | | | identify the different |
| | | | | | | | | structures. |
| | | | | | | | • | what normal |
| | | | | | | | | anatomy of the |
| | | | | | | | | thoracic spine |
| | | | | | | | | looks like on x-ray |
| | | | | | | | | and identify the |
| | | | | | | | | different structures. |
| | | | | | | | • | what normal |
| | | | | | | | | anatomy of the |
| | | | | | | | | cervical spine looks |
| | | | | | | | | like on x-ray and |
| | | | | | | | | identify the different |
| | | | | | | | | structures. |
| | | | | | | | • | what normal |
| | | | | | | | | anatomy of the thorax looks like on |
| | | | | | | | | x-ray and identify |
| | | | | | | | | the different |
| | | | | | | | | structures. |
| | | | | | | | • | what normal |
| | | | | | | | | anatomy of the |
| | | | | | | | | abdomen looks like |
| | | | | | | | | on x-ray and |
| | | | | | | | | identify the different |
| | | | | | | | | structures. |
| | | | | | | | • | what normal |
| | | | | | | | | anatomy of the |
| | | | | | | | | skull looks like on |
| | | | | | | | | x-ray and identify the different |
| | | | | | | | | structures. |
| Radiology 4 | RADCHY | 100 | 0% | 8 | 20 | The module serves to | Describ | be the imaging |
| | 4 | % | | | | provide learners with | | nents & imaging |
| | | | | | | sound basic theoretical | | s in order to |
| | | | | | | knowledge and practical | | ently produce |
| | | | | | | skills pertaining to all | radiogr | aphic images of |
| | | | | | | aspects of diagnostic | optima | I quality. Section 1: |
| | | | | | | radiography. It will | Units 1 | - 3 |
| 204 | | | | | | RULES AND R | | |

| | | | | enable learners to become competent in producing and interpreting diagnostic radiographs by applying their attained knowledge in the following academic year in a clinical context. The primary aim of the module is to extend the skills of chiropractic learners to include radiographic and radiologic skills that can be utilized in the diagnosis and treatment planning of chiropractic patients. | • Describe the x-ray equipment, the production of x-rays and its interaction with matter in order to develop an understanding of the complexity of the equipment and the potential biological damage associated with diagnostic procedures. Section 1: Units 4 – 6 • Identify the biological effects of radiation on the human body to enable responsible decision making when requesting diagnostic procedures on patients. Section 1: Units 7 & 8 • State the basic principles and applications of Magnetic Resonance Imaging & Computer Tomography within the chiropractic context. Section 2: Unit 1 • Demonstrate a sound knowledge of the basic principles and terminology pertaining to diagnostic radiography in order to function and communicate efficiently within the field. Section 2: Unit 2 • Explain & perform the radiographic procedures covered in the module with the aim to produce radiographic images of a good diagnostic quality. Section 2: Units 3 - 10 • Apply sound, integrated knowledge of radiographic anatomy, physiology and pathology to ensure accurate assessment of images in terms of quality and pattern recognition. Section 2: Units 3 - 10 • Evaluate the quality of radiographic images to ensure consistency in the production of images with optimal diagnostic value. Section 2: Units 3 - 10 • Assess radiographic images to ensure consistency in the production of images with optimal diagnostic value. Section 2: Units 3 - 10 • Assess radiographic images to ensure consistency in the production of images with optimal diagnostic value. Section 2: Units 3 - 10 • Assess radiographic images to ensure consistency in the production of images with optimal diagnostic value. Section 2: Units 3 - 10 |
|-----|--|----------|--|---|--|
| 205 | | <u> </u> | | RULES AND R | examination and condition EGULATIONS 2025 |

| | | 1 | 1 | ı | | | |
|---|-------------|----------|----|---|----|--|--|
| Research | REMCHA | 100 | 0% | 8 | 5 | This module presents | of the patient to ensure that the wellbeing of the patient is maintained. Section 2: Units 3 - 10 • Apply radiation protection measures to limit radiation exposure to patients, public & staff. Section 1: Unit 7 & Section 2: Units 3 – 1 • Demonstrate a sound knowledge of, and integration of bioethical principles, human rights and patient rights into all aspects of patient care and professional communication with patients, colleagues and the public. On completion of this |
| Methodology 4 | 4 | % | | | | the following components: •Research Concepts •Research Ethics and Integrity •The Scientific Method •Quantitative Research Methods •Qualitative Research Methods •Data Analysis and Theory in Qualitative and Quantitative Research •Review of CM Research Articles •Introduction to Mixed Methods Research | module students should be able to: •Discuss the basic concepts of research methodology •Identify and initiate an appropriate research project •Describe the processes of designing a research project and collecting data •Understand statistical analysis and interpretation of results •Review and critique research •Prepare a research proposal •Critically discuss ethical consideration in research, including plagiarism |
| Research Project 4 | REPCHB 4 | 100 | 0% | 8 | 5 | This module is designed to allow for demonstration of basic research skills in terms of proposal development and research design | On completion of this module students should be able to: • Formulate a research report in the field of chiropractic |
| Sociology of Health and Health Care | SOHCHB 1 | 100 % | 0% | 6 | 10 | This module introduces the fundamentals of health and healthcare to provide a broad theoretical foundation for further studies related to complementary health care. | On completion the student will be able to Discuss the fundamentals of health and healthcare Critically differentiate between the major perspectives associated with the field of psychology Demonstrate an understanding of the biological processes and how they influence human behavior Demonstrate an understanding of |
| 206 | | | | | | NOLLO AND N | |

| | | awareness and the various levels experienced. •Compare the three types of learning. •Describe the processes involved in memory: coding, storage and retrieval •Explain the various types of intelligence •Describe motivation and the different theories of emotion •Understand the role of counselling in healthcare |
|--|--|---|
| | | |

MASTER OF HEALTH SCIENCES IN CHIROPRACTIC (M9C01Q)

| | | SM Weight | EM Weight | | " | 0 | Outcome |
|-------------------|---------|------------------|----------------|----------|----------|--------------|-------------------------------------|
| ခ္ | O | We | Ne Ne | <u>@</u> | Credits | Purpose | 103 |
| Name | Code | Σ | Σ | Level | ē | 15 |) j |
| Z Chiropractic | CHP9XA1 | ທ 100% | <u>ш</u> 0% | 9 | 9 | <u> </u> | On completion of the |
| Clinical | CHESAAT | 10070 | 0 70 | 9 | 9 | | WIL component the |
| Practice 5A | | | | | | | student should be |
| Tractice 3A | | | | | | | able to: |
| | | | | | | | •Demonstrate |
| | | | | | | | competency in |
| | | | | | | | specialised |
| | | | | | | | chiropractic skills in |
| | | | | | | | clinical assessment, |
| | | | | | | | diagnosis, treatment |
| | | | | | | | and management of |
| | | | | | | | conditions and/or |
| | | | | | | | pathology affecting |
| | | | | | | | the body under the |
| | | | | | | | supervision of a |
| | | | | | | | qualified chiropractic |
| | | | | | | | clinician. |
| | | | | | | | Demonstrate the |
| | | | | | | | ability, under |
| | | | | | | | supervision to |
| | | | | | | | recognise and |
| | | | | | | | appraise systemic |
| | | | | | | | conditions and the |
| | | | | | | | signs and symptoms |
| | | | | | | | that impact on the |
| | | | | | | | patient or in a |
| | | | | | | | simulated scenario |
| | | | | | | | for the purpose of |
| | | | | | | | treatment, referral |
| | | | | | | | and subsequent management. |
| | | | | | | | •Demonstrate under |
| | | | | | | | supervision practical |
| | | | | | | | application of the |
| | | | | | | | principles, proven |
| | | | | | | | techniques and |
| | L | | | | | | |
| 207 | | | l | l | l | RULES AND RE | specialised skills in |

| | | | | | | | •Analyse clinical data and case studies by integrating theory and practical knowledge within the fields of chiropractic. •Analyse differential diagnoses and implement management protocols and prevention plans in terms of scope of practice. |
|-----------------------------------|---------|------|----|---|---|---------------|--|
| Chiropractic Clinical Practice 5B | CHP9XB2 | 100% | 0% | 9 | 9 | RULES AND REG | On completion of the WIL component the student should be able to: •Demonstrate competency in specialised chiropractic skills in clinical assessment, diagnosis, treatment and management of conditions and/or pathology affecting the body under the supervision of a qualified chiropractic clinician. •Demonstrate the ability, under supervision to recognise and appraise systemic conditions and the signs and symptoms that impact on the patient or in a simulated scenario for the purpose of treatment, referral and subsequent management. •Demonstrate under supervision practical application of the principles, proven techniques and specialised skills in the promotion of health, the prevention and rehabilitation. •Analyse clinical data and case studies by integrating theory and practical |

| | | | | | | | knowledge within the fields of chiropractic. •Analyse differential diagnoses and implement management protocols and prevention plans in terms of scope of practice. |
|--|---------|------|----|---|---|---|---|
| Chiropractic Principles and Practice 5 | CPP9XY1 | 100% | 0% | 9 | 9 | The overall purpose of this subject is: •Give students the relevant applicable knowledge regarding the legislation pertaining to the profession •Teach students the processes required in the UJ Chiropractic Clinic •Assist in integration of theory into practical patient based scenarios •Teach students the ability to assess and treat joint dysfunction in extremity joints •Introduce students to basic principles of geriatric and paediatric chiropractic •Allow students to develop skills in reading of radiographs | On completion of this module the student should be able to: Understand and apply the process and procedure to adequately perform the functions as in the UJ day clinic. Have a clear understanding of the professional associations and councils, and how they are interrelated. Communicate effectively with professionals of other disciplines, chiropractic, and patients. Have basic knowledge of paediatric conditions, and chiropractic treatment thereof. Have basic knowledge of geriatric conditions, and chiropractic treatment thereof. Assess and treat joint dysfunction in extremity joints. Review and write a report on abnormal findings of radiographs. |
| Clinical and Applied Biomechanics 5 | CAB9XA1 | 100% | 0% | 9 | 9 | The purpose of this module is to •Allow you to get to appreciate the structure and function of the peripheral joints of the body as well as to tie them all together into one biomechanical chain. •This will equip you to treat your patients as a whole and not just as a component part of the whole. •It allows you to realise | At the end of the year the student should be able to: Describe and analyse normal and abnormal biomechanics of peripheral joint. Explain the principles of proprioception and core stability and develop a programme specifically related to different conditions Analyse posture and |

| Clinical CHC9 Chiropractic 5 1 | XY 100% | 0% | 9 | 9 | body. The overall purpose of this subject is: | On completion of this module the student |
|--------------------------------------|----------|----|---|---|---|---|
| | | | | | •To equip the 5th year chiropractic students with the knowledge and skill to assess, diagnose and treat the extremity joints of the body. •To provide the student with the knowledge to know when and how to treat extremity injuries and pathologies. •To provide the student with a forum to develop a critical thought process and approach to assessment and treatment of neuromusculoskeletal disorders. | will be able to: Competently assess all extremity joints. Diagnose and appropriately treat and/or refer extremity joint problems. Refresh and have a good understanding of extremity anatomy. Develop a good understanding of the mechanisms of injury and their effects on extremity joints. Develop a critical thought process and approach to the assessment, diagnosis and treatment of extremity joints. Explain and apply the principles and application of rehabilitation of extremity joint injuries. |
| Myofascial and Auxiliary Therapies 5 | XA1 100% | 0% | 9 | 9 | The overall purpose of this subject is: •To equip the 5th year chiropractic students with the knowledge and skill necessary to ensure that he/she will be able to adequately and independently assess and treat myofascial trigger points. •To familiarize 5th year chiropractic students with the neurophysiology involved in the management of pain arising from soft tissues. | On completion of this module the student will be able to: Describe the anatomy, innervation and function of the muscles relevant to this course. Locate the trigger points in these muscles. Describe and draw the referred pain patterns for these muscles. Identify the symptoms exhibited by specific muscles due to the presence of myofascial trigger points. Diagnose specific myofacial conditions and give possible differential diagnoses. Identify activating sultations 2025 |

| Practice Management and Jurisprudence Practice Practice Management and Jurisprudence Practice Prac | | | | | | | | and narrativative |
|--|------------------------------------|---------|------|----|---|---|--|--|
| Management and Jurisprudence Management and Jurisprudence | | | | | | | | muscle. Examine a patient and locate trigger points. Treat myofascial trigger points using: a) Ice and stretch techniques b) Dry needling techniques c) Post isometric relaxation d) Passive stretching Provide corrective actions and advice to the patient. Prescribe home based exercises to stretch and strengthen the involved muscles |
| Project and Dissertation 5A module is to critically use and interrogate multiple sources of literature in order to develop and contribute towards research output in a Chiropractic related field and to continue with lifelong learning and become a reflective practitioner. Research Project and Dissertation RPD9XB2 RPD9XB2 100% 9 9 The purpose of this module, the student will be required to submit a minor dissertation. On completion to this module is to critically use and interrogate multiple sources of literature in order to dissertation. | Management and Jurisprudence | | | | | | module is to equip learners with a thorough introduction to the entrepreneurial process. It further enhances the non-business student to successfully launching and growing his or her own venture. Additionally the module will equip students to think conceptually and critically about the role of the individual in developing entrepreneurial practices in various occupations contexts. The module is interdisciplinary in nature with the aim to equip students with an entrepreneurial mindset. | CBE Module On completion of this module the learner will be able to: •Explain the key theories of entrepreneurship. •Identify and explain the factors that impact when starting a new venture. •Identify entrepreneurial risks •Explain and describe the different sources of finance and the implications of selecting a specific source. •Draw up a business plan. |
| Project and Dissertation 5B module is to critically use and interrogate will be required to submit a minor dissertation. module is to critically will be required to submit a minor dissertation. | Project and Dissertation | RPD9XA1 | 100% | 0% | 9 | 9 | module is to critically use and interrogate multiple sources of literature in order to develop and contribute towards research output in a Chiropractic related field and to continue with lifelong learning and become a reflective | module, the student will be required to submit a minor |
| | Project and Dissertation 5B | RPD9XB2 | 100% | 0% | 9 | 9 | module is to critically use and interrogate multiple sources of | module, the student will be required to submit a minor |

| | | | | | | develop and contribute towards research output in a Chiropractic related field and to continue with lifelong learning and become a reflective practitioner | |
|---|-------------|------|----|---|---|---|--|
| Research Project and Dissertation 5C | RPD9XC 2 | 100% | 0% | 9 | 9 | The purpose of this module is to critically use and interrogate multiple sources of literature in order to develop and contribute towards research output in a Chiropractic related field and to continue with lifelong learning and become a reflective practitioner | On completion to this module, the student will be required to submit a minor dissertation. |

HS12.3 DEPARTMENT OF COMPLEMENTARY MEDICINE

BACHELOR OF HEALTH SCIENCES IN COMPLEMENTARY MEDICINE (B9CM1Q)

| | | | | | | Φ | ЭС |
|-----------|----------|-------------|--------------|--------------|---------|--|--|
| Мате | Code | M Veight | EM Weight | Level | Credits | Purpose | Outcome |
| Anatomy 2 | ANTCHY 2 | 100% Neight | 0% 0Mei | ^97 7 | 30 Crec | The purpose of this module is to enable the student to develop an extensive understanding of the gross anatomy of the human body and basic histology as it applies to the various systems. | At the end of this module the student will be able to: • Demonstrate an understanding the gross anatomy of the human body including surface anatomy and anatomical landmarks, the anatomy of muscles and the skeletal system, soft tissue anatomy, and the anatomy of the cardiovascular and neural |
| | | | | | | | systems Explain the development of the human embryo, including early embryonic development and the embryonic development of |

| | | | | | | | the head and neck, and the cardiovascular, gastrointestinal, urinary and reproductive systems Identify cells and histological samples including basic human tissues and tissue samples from the respiratory, cardiovascular, gastro-intestinal, urinary, reproductive, endocrine and |
|--------------------------|-------------|------|----|---|----|---|---|
| Anatomy and Physiology 1 | ANPCM Y1 | 100% | 0% | 5 | 35 | The purpose of this module is to establish a sound introduction to anatomy and physiology, including human cells and tissue, surface anatomy and systems within the human body. | Iymphatic systems. At the end of this module the student will be able to: • Understand conceptsand systems associated with anatomy and physiology, from human cells and tissues to surface anatomy • Describe the anatomy of the various body systems; namely the structures and functions of the skin and appendages, musculoskeleta I system, central and peripheral nervous system, endocrine system, reproductive system, cardiovascular system, |

| | | | | | | | lymphatic system, the lungs and respiratory system, digestive tract and urinary system Discuss the physiology of the various body systems in relation to the anatomy and function of these systems. |
|------------------------------------|-------------|------|----|---|----|--|---|
| Applied Homeopathic Materia Medica | AHMCMY 4 | 100% | 0% | 8 | 25 | The purpose of this module is to provide the student with the theoretical and research-based knowledge related to homeopathic medicines in order to develop strategies and formulations to treat and manage various health conditions. | At the end of this module the student will be able to: • Evaluate principles and theory of Homeopathy • Apply these theories in a practical/clinica I setting • Demonstrate the ability to take a homeopathic case: analyse, repertories, find and justify the similimum or fundamental/functional remedy(simile) and differential remedies • Apply the principles of homeopathy to patient management and patient follow-up • Apply posology (potency, repetition of the dose) to cases • Apply the theory of miasms in relation to patient |

| Applied | ANMCMY | 100% | 0% | 8 | 10 | The purpose of this | assessment and management Identify illness, diseases and differentials associated with various systems of the body, commonly encountered in practice Demonstrate diagnostic procedures Manage the patient with specific homeopathic remedy and/or related therapies, using a holistic, integrated approach to the patient and their disease Apply homeopathic drainage in case management. At the end of this |
|------------------------------|-------------|------|----|---|----|---|--|
| Nutritional Medicine | 4 | | | | | module is to integrate theoretical nutritional knowledge with evidence-based practice in the management and treatment of particular health conditions. | module the student will be able to: Integrate the principles of nutritional medicine with evidence-based practice in the treatment and management of common health conditions related to the studied body systems. |
| Applied Phytotherapy 1 | APTCMY 4 | 100% | 0% | 8 | 25 | The purpose of this module is to provide the student with the theoretical and research-based knowledge related to herbal medicines in order to develop strategies and formulations to treat | At the end of this module the student will be able to: Integrate information relating to the principles and theories of |

| | | | | | | and manage various health conditions. | phytotherapy, case taking and prescribing Develop phytotherapeuti c protocols related to body systems and their associated health conditions Formulate herbal medicine treatment strategies and apply to theoretical case studies. |
|-----------------------|-------------|------|----|---|----|---|--|
| Basic Life Support | BLSCMA 3 | 100% | 0% | 5 | 4 | The purpose of this module is to enable the student to focus on the assessment of the emergency situation and provision of basic life support and basic first aid in order to stabilise patients prior to transfer to the emergency services or other suitable person or entity; and identify and treat common ailments and injuries within the relevant scope. | At the end of this module the student will be able to: Demonstrate an understanding of emergency scene management Assess and evaluate an emergency situation Apply first aid procedures to the lifethreatening situation Identify and treat common ailments and injuries within the relevant scope. |
| Biodiversity | BIODIY1 | 100% | 0% | 5 | 20 | The purpose of this module is to gain the relevant introductory biological background in cell and cellular metabolism; mitosis and meiosis; genetics; evolution, ecology and the five kingdoms, and enable the student to develop an elementary but critical understanding of the botany for complementary | At the end of this module the student will be able to: • Demonstrate an understanding of the different cell types, and how they function and survive • Discuss the processes of cell division |

| Chomistry 1 | CETCHY | 50% | 50% | 5 | 20 | medicine as it pertains to the kingdoms, structure and habitats of the plants. | Describe the basic concepts associated with genetics and the evolution of cells and organisms Distinguish between the 5 kingdoms of living organisms Understand the relationships of living organisms with one another and their environment Demonstrate an understanding of the plant kingdom, including broad characteristics of the divisions within the kingdom, the diversity and classification of plants Identify the various habitats and ecosystems of plants Identify the various plants in terms of their structure and function, their components, their metabolism and their reproduction Discuss the structures of plant cells and the functions of their cell membranes and organelles. |
|-------------|-------------|-----|-----|---|----|--|--|
| Chemistry 1 | CETCHY 1 | 50% | 50% | 5 | 20 | Science module The purpose of this module is to develop the basic knowledge and understanding of | At the end of this module the student will be able to: |

| | | |
|-------|-------------------------|--------------------------------------|
| | chemical principles and | Define rate law, |
| | techniques of general | rate constant, |
| | and applied chemistry | and reaction |
| | as required for further | order. |
| | modules in the field of | Describe how |
| | complementary | |
| | | temperature, |
| | medicine. | activation |
| | | energy, and |
| | | molecular |
| | | orientation |
| | | influence |
| | | reaction rates |
| | | Describe how a |
| | | |
| | | catalyst |
| | | influences the |
| | | rate of a |
| | | reaction |
| | | Define and |
| | | where |
| | | necessary |
| | | apply: |
| | | equilibrium- |
| | | constant |
| | | |
| | | expression and |
| | | equilibrium |
| | | constant, the |
| | | law of mass |
| | | action, |
| | | homogeneous |
| | | equilibrium and |
| | | heterogeneous |
| | | equilibrium, the |
| | | reaction |
| | | |
| | | quotient, Q and |
| | | Le Châtelier's |
| | | principle |
| | | Describe the |
| | | effect of a |
| | | pressure or |
| | | temperature |
| | | change on |
| | | chemical |
| | | equilibrium |
| | | • |
| | | Understand the |
| | | relationship |
| | | between the |
| | | strength of an |
| | | acid and that of |
| | | its conjugate |
| | | base |
| | | Understand the |
| | | |
| | | periodic trends |
| | | in the strengths |
| i I I | | of the binary |
| | | |
| | | acids HX, the |
| | | acids HX, the rules for |
| | | acids HX, the |

| the relative acid strengths of a polyprotic acid and its anions. Write the chemical equations Describe the pH change of a buffer solution with the addition of acid or base. Define and give | | Ţ. | 1 1 | 1 | Г | <u>,</u> |
|---|---------------|----|-----------|--------|---|--|
| understanding of addition reactions involving equations and mechanisms of synthesis Explain reactions involving oxidising and reducing agents. | | | | | | strengths of oxoacids and the relative acid strengths of a polyprotic acid and its anions. • Write the chemical equations • Describe the pH change of a buffer solution with the addition of acid or base. • Define and give examples of organic concepts • Discuss substitution reactions involving equations and mechanisms of synthesis • Describe elimination reactions involving equations and mechanisms of synthesis • Demonstrate an understanding of addition reactions involving equations and mechanisms of synthesis • Demonstrate an understanding of addition reactions involving equations and mechanisms of synthesis |
| Diagnostics 3 Y3 module is to provide the student with the relevant knowledge necessary for case taking, evaluation and management of a patient in a clinical setting. module the student will be able to: Outline the steps involved in case taking and the approach to a | Diagnostics 3 | | 100% 0% | 7 20 | module is to provide the student with the relevant knowledge necessary for case taking, evaluation and management of a patient in a clinical setting. | Outline the steps involved in case taking and the approach to a patients and their symptoms |

| | ı | | ı | 1 | | | | |
|------------------------|-------------|------|----|---|----|--|------|---|
| | | | | | | | • | Take a case from a patient, including a comprehensive health history, presenting complaints and a review of systems Explain the concepts associated with the process of differential diagnosis Identify diagnostic tests and special investigations that may be performed for each body system Conduct a general survey of a patient, including vital signs (blood pressure, pulse rate, respiratory rate and temperature) and general observations Perform a physical examination on a patient, including all relevant examinations that must be completed for the assessment of each system and at various life stages. |
| Clinical Practice 1 | CPRCMY 4 | 100% | 0% | 8 | 30 | Successful completion of this module will enable a student to competently assess a range of health problems presented in clinical practice and use a wide range of solutions for their | wil | the end of this odule the student ll be able to: Identify and solve clinical problems, including identifying and implementing |
| 221 | | | | | | RULES AND REGUL | ATIC | DNS 2025 |

| | | recognition, | basic |
|-------|---|--------------------------|----------------------------|
| | | investigation and | therapeutic |
| | | diagnosis. Students will | interventions for |
| | | also be able to begin to | pre-diagnosed |
| | | identify the correct | patients |
| | | treatment / | Make |
| | | management approach | responsible |
| | | of the diagnosed | decisions using |
| | | condition. | critical and |
| | | Condition. | creative |
| | | | thinking |
| | | | Work effectively |
| | | | with others as a |
| | | | member of a |
| | | | |
| | | | team, group, |
| | | | organisation, |
| | | | community. |
| | | | Critically Critically |
| | | | evaluate |
| | | | information through the |
| | | | J |
| | | | process of collecting, |
| | | | analysing and |
| | | | organising |
| | | | information |
| | | | Communicate |
| | | | effectively using |
| | | | visual, |
| | | | mathematical |
| | | | and/or |
| | | | language skills |
| | | | in the modes of |
| | | | oral and/or |
| | | | written |
| | | | persuasion |
| | | | Use science |
| | | | and technology |
| | | | effectively and |
| | | | critically, |
| | | | showing |
| | | | responsibility |
| | | | towards the |
| | | | environment |
| | | | and health of |
| | | | others |
| | | | • Identify the |
| | | | appropriate |
| | | | therapeutic |
| | | | acupuncture |
| | | | protocols as it |
| | | | relates to body |
| | | | systems and |
| | | | disorders |
| | | | Apply the relevant |
| | | | acupuncture |
| | | | techniques to the |
| I | 1 | I | ı |

| | 1 | | 1 | | | | tro otros c:-t |
|------------|--------|------|----|---|----|---|---|
| | | | | | | | treatment of pre- diagnosed |
| | | | | | | | conditions in a |
| | | | | | | | clinical/practical |
| | | | | | | | setting. |
| Clinical | CLPCHY | 100% | 0% | 7 | 15 | The purpose of this | At the end of this |
| Psychology | 3 | | | | | module is to introduce | module the student |
| | | | | | | the student to the | will be able to: |
| | | | | | | various theoretical | Δ . |
| | | | | | | models, psychological | Apply an integrative |
| | | | | | | disorders and practice & ethics of clinical | integrative approach, with |
| | | | | | | psychology. | emphasis on |
| | | | | | | poyonology. | biological, |
| | | | | | | | psychological |
| | | | | | | | and social |
| | | | | | | | aspects |
| | | | | | | | (Biopsychosoci |
| | | | | | | | al Model) of the aetiology of |
| | | | | | | | psychopatholog |
| | | | | | | | у |
| | | | | | | | Demonstrate an |
| | | | | | | | understanding |
| | | | | | | | of the |
| | | | | | | | psychological |
| | | | | | | | attributes that |
| | | | | | | | are deemed important within |
| | | | | | | | health and |
| | | | | | | | apply this |
| | | | | | | | knowledge to |
| | | | | | | | the field of |
| | | | | | | | clinical |
| | | | | | | | psychology |
| | | | | | | | Define abnormal |
| | | | | | | | behaviour and |
| | | | | | | | describe |
| | | | | | | | psychological |
| | | | | | | | dysfunction, |
| | | | | | | | distress, and |
| | | | | | | | atypical or |
| | | | | | | | unexpected |
| | | | | | | | cultural response |
| | | | | | | | Describe the |
| | | | | | | | clinical |
| | | | | | | | manifestations |
| | | | | | | | of psychological |
| | | | | | | | disorders |
| | | | | | | | including |
| | | | | | | | important |
| | | | | | | | aetiological, diagnostic, and |
| | | | | | | | phenomenologi |
| | | | | | | | cal similarities |

| | | _ | | |
|---|--|--------------|---|----------------------------|
| | | | | and differences |
| | | | | between them |
| | | | • | Describe the |
| | | | | medical |
| | | | | complications |
| | | | | associated |
| | | | | clinical |
| | | | | |
| | | | | psychological |
| | | | | disorders |
| | | | • | Discuss the |
| | | | | legal aspects to |
| | | | | mental health |
| | | | | care practice |
| | | | | including the |
| | | | | legal rights of |
| | | | | patients as well |
| | | | | as the laws and |
| | | | | |
| | | | | ethical codes |
| | | | | which bind |
| | | | | mental health |
| | | | | practitioners |
| | | | • | Explain the |
| | | | | unique factors |
| | | | | to consider in |
| | | | | the South |
| | | | | African context |
| | | | | with reference |
| | | | | to ethical |
| | | | | |
| | | | | conduct |
| | | | • | Explain current |
| | | | | approaches, |
| | | | | including |
| | | | | assessment, |
| | | | | diagnostic |
| | | | | practices, |
| | | | | treatment |
| | | | | modalities and |
| | | | | appropriate |
| | | | | tools for |
| | | | | assessing |
| | | | | |
| | | | | psychological disorders |
| | | | | |
| | | | • | Demonstrate |
| | | | | patient |
| | | | | management |
| | | | | skills and |
| | | | | referrals |
| | | | • | Describe the |
| | | | | major |
| | | | | categories and |
| | | | | disorders |
| | | | | related to |
| | | | | physical and |
| | | | | mental health |
| | | | | |
| | | | | and the key |
| 1 | | <u> </u> | | features and |
| | | | | |

| utilised for each Distinguish between the key characteristics and manifestations of developmental and learning disorders including important aetiological factors, diagnosis, and management of each disorder • Describe the main features of each type of child abuse and their developmental consequences • Apply the techniques of counseiling in the clinical healthcare setting • Explain the nature and purposes of counseiling and diagnosis and how the DSM is used to help therapists and how the DSM is used to help therapists and how the DSM is used to help therapists and how the DSM is used to help therapists and counsellors make a psychiatric diagnosis or referral. Complementa ry Medicine Practices 1 Complementa copenhation of the various complementary but critical understanding of the various complementary medicine disciplines as well as traditional medicine practices in regulated by the various complementary medicine disciplines as well as traditional medicine practices in regulated by the various complementary medicine disciplines as well as traditional medicine practices in regulated by the various complementary medicine practices in regulated by the various complementary medicine practices in regulated by the various complementary medicine practices in the various complementary medicine disciplines as well as traditional medicine practices in the control of the various complementary medicine disciplines as well as traditional medicine practices in the control of the various complementary that the var | | ı | ı | 1 | | | | |
|--|----------------------------|------|----|---|----|--|-----------|--|
| ry Medicine Practices 1 module is to enable the student to develop an elementary but critical understanding of the various complementary medicine disciplines as well as traditional medicine practices in AHPCSA as | | | | | | | • | Distinguish between the key characteristics and manifestations of developmental and learning disorders including important aetiological factors, diagnosis, and management of each disorder Describe the main features of each type of child abuse and their developmental consequences Apply the techniques of counselling in the clinical healthcare setting Explain the nature and purposes of counselling and diagnosis and how the DSM is used to help therapists and counsellors make a psychiatric diagnosis or |
| particular emphasis on homeopathy, BULES AND REGULATIONS 2025 | ry Medicine Practices 1 | 100% | 0% | 5 | 35 | module is to enable the student to develop an elementary but critical understanding of the various complementary medicine disciplines as well as traditional medicine practices in South Africa, with particular emphasis on | mo wil | Describe the various CM professions regulated by the AHPCSA as well as have an |

| | | | | | | phytotherapy and acupuncture. | TM Dishis ph pri ho ph an acc Explain princip eviden practic | scuss the tory, ilosophy and nciples of meopathy, ytotherapy dupuncture the les of |
|-----------------------------------|--------|------|----|---|----|---|--|--|
| Complementar Medicine Practices 2 | COPCMY | 100% | 0% | 6 | 40 | The purpose of the module is to enable the student to develop an in-depth understanding and expansive knowledge base of complementary medicine practices, relating to homeopathy, phytotherapy and acupuncture, and their respective approaches to treatment. | At the module will be Ex an chi are col actiful properties and the use production of terms of terms are available. Idea means actiful production | end of this the the student able to: plain how d why fonic cases taken inpared with ate cases as tertains to the d of implementar fledicine scribe the arces of imeopathic dicines and techniques ed in oducing, pensing and oring these inducing, pensing and oring these inducing the inducing the inducing the indicine the |

| | | | | | | | Demonstrate basic needling techniques. |
|---|---|------|----|---|----|---|---|
| Complementar Medicine Practices 3 | 3 | 100% | 0% | 7 | 10 | The purpose of this module is to enable the student to develop a coherent and critical understanding of complementary practices, in particular acupuncture therapeutics, in order to develop treatment protocols in the management of common conditions/patients. | At the end of this module the student will be able to: Describe in detail the principles and indications for the Bach Flower Remedies, Biochemic Tissue Salts, Electroloids, and Gemmotherapy remedies Describe the principles of the various therapeutic acupuncture techniques with regards to treatment planning and outcome evaluation Apply the various acupuncture techniques in relation to common medical conditions Differentiate between the various auxiliary and other traditional forms of medicine. |
| Compounding and Dispensin Complementar Medicine | | 100% | 0% | 8 | 10 | The purpose of this module is to provide the student with an indepth understanding and practical application of the compounding and dispensing of complementary medicines in a practice. | At the end of this module the student will be able to: • Apply ethical, legal and therapeutic considerations in all facets of dispensing |

| | | | | | | | medicines and therapeutic devices Write, evaluate and interpret a prescription Record relevant patient information Compound the required medication according to good manufacturing and good pharmacy practice Dispense the required amount of medication and provide appropriate advice. Advise patients to ensure quality use of medicine and improve health status Manage procurement and storage of medicines in terms of legislative and documentation requirements. |
|------------------------------|-------------|------|----|---|----|---|---|
| Good Pharmacy Practice | GPPCMA 4 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the student with an understanding of the requirements for good pharmacy practice as relevant to their scope. | At the end of this module the student will be able to: • Understand the requirements for pharmacy appearance, control of access and safety of the pharmacy • Demonstrate an understanding of the requirements on pharmacy |

| | | | | | | | appearance, control of access and safety of the pharmacy • Understand the following requirements with the medicine room: Conditions, Storage area, Access control • Explain the different storage conditions for different products • Identify the requirements of writing and interpreting a prescription, and prescription record keeping • Understand the importance of safety in dispensing procedures • Advise patients on the correct use of medication • Be familiar with patient record • Understand the professional and ethical aspects when dealing with patients. |
|------------------------------------|-------------|------|----|---|----|---|--|
| Homeopathic Materia Medica 1 | HMMCM Y3 | 100% | 0% | 7 | 15 | The purpose of this module is to provide the student with a sound foundation of homeopathic philosophy, homeopharmaceutics, Materia Medica and case taking. | At the end of this module the student will be able to: Describe the history of homeopathy Explain and analyse the principles and Law of Homeopathy |

| | I | 1 | 1 | 1 | I | | |
|------------------------------------|-------------|------|----|---|----|---|--|
| | | | | | | | according to the Organon Explain the process of conducting a homeopathic proving Analyse and practically demonstrate the homeopharmac eutics process Discuss the development of chronic diseases and the interpretation, categorisation and analysis of miasms and constitutional types. Describe, compare and apply the applications of the polychrests and related remedies Competently take a homeopathic case and determine the appropriate remedy/ies. |
| Homeopathic Materia Medica 2 | HMMCM Y4 | 100% | 0% | 8 | 20 | The purpose of this module is to provide the student with an indepth understanding and systematic knowledge base of the Materia Medica remedies used in a homeopathic practice. | At the end of this module the student will be able to: • Evaluate the characteristic indications of the polychrests, first aid remedies, nosodes, modern remedies, and other outlined groups of remedies Evaluate a case study in terms of |

| | | | | | | | | asmatic |
|--------------|--------|------|----|---|----|-------------------------|-----|-------------------|
| | | | | | | | | erpretation. |
| Human | HBDCMY | 100% | 0% | 6 | 20 | The purpose of this | | the end of this |
| Biochemistry | 2 | | | | | module is to enable the | mo | odule the student |
| and Disease | | | | | | student to develop an | wil | I be able to: |
| 1 | | | | | | understanding of | | |
| | | | | | | human biochemistry in | • | Describe the |
| | | | | | | assessing disease. | | common |
| | | | | | | | | functional |
| | | | | | | | | groups and |
| | | | | | | | | bonds in |
| | | | | | | | | biochemistry as |
| | | | | | | | | well as the |
| | | | | | | | | special |
| | | | | | | | | properties of |
| | | | | | | | | water |
| | | | | | | | • | Examine the |
| | | | | | | | | chemical |
| | | | | | | | | structures, |
| | | | | | | | | composition |
| | | | | | | | | and nature of |
| | | | | | | | | proteins, |
| | | | | | | | | carbohydrates |
| | | | | | | | | and lipids |
| | | | | | | | • | Describe the |
| | | | | | | | | general |
| | | | | | | | | properties of |
| | | | | | | | | enzymes and |
| | | | | | | | | how they work |
| | | | | | | | • | Explain fully the |
| | | | | | | | | relationship |
| | | | | | | | | between |
| | | | | | | | | enzymes, |
| | | | | | | | | coenzymes and |
| | | | | | | | | vitamins |
| | | | | | | | • | Give the |
| | | | | | | | | biochemical |
| | | | | | | | | name, |
| | | | | | | | | occurrence and |
| | | | | | | | | the function of |
| | | | | | | | | each vitamin |
| | | | | | | | • | Discuss the |
| | | | | | | | | different |
| | | | | | | | | classes of |
| | | | | | | | | energy rich |
| | | | | | | | | compounds and |
| | | | | | | | | the organic |
| | | | | | | | | reaction |
| | | | | | | | | mechanisms |
| | | | | | | | • | Demonstrate an |
| | | | | | | | | understanding |
| | | | | | | | | of the major |
| | | | | | | | | metabolic |
| | | | | | | | | pathways and |
| | | | | | | | | their control |
| | | | | | | | | mechanisms: |
| | | | | | | | | the urea cycle, |

| Medical | MDMCHA | 100% | 0% | 6 | 10 | The purpose of this | the citric acid cycle, the glycolytic pathway, oxidative phosphorylation etc • Demonstrate an understanding of the basic chemistry and structures of the nucleic acids, which make up the genetic apparatus of the cell • Discuss biosynthesis of the nucleic acids and the transfer of genetic information to synthesis of a specified protein (transcription, translation). At the end of this |
|--------------|--------|------|----|---|----|---|--|
| Microbiology | 2 | | | | | module is to introduce the principles of microbiology necessary in the field of medicine. | module the student will be able to: • State the normal flora and infective microorganism s of the human body and describe the host-parasite relationship • List the pathogenic microorganism s, their general characteristics, classifications, nomenclature and methods of identification of bacteria • State the sources, modes of transmission and describe the |

| Nutritional Notation | TMCMY 100% | 0% 7 | The purpose of this module is to provide students with fundamental knowledge associated with human metabolism, introducing an understanding of the importance of nutrition in relation to human physiology and health. | pathogenesis of the diseases produced by the microorganism s • Describe the mechanisms of immunity of infection • State the suitable antimicrobial agents for treatment and vaccines available for prevention of communicable diseases Recommend the laboratory investigations for making a microbiological diagnosis. At the end of this module the student will be able to: • Demonstrate an understanding of how nutrients relate to human metabolism and health • Outline the principles of nutrition and its role in health and disease prevention • Evaluate the benefits and risks associated with the specialised diets commonly in use Examine the range of nutritional requirements that impact people at |
|---|------------|------|--|---|
|---|------------|------|--|---|

| D (1) | DATOM | 4000/ | 00/ | T | 0.5 | | A | 1 6 11 1 |
|-----------|-------------|-------|-----|---|-----|--|--|---|
| Pathology | PATCMY 3 | 100% | 0% | 7 | 25 | The purpose of this module is to provide the student with the knowledge base and theory necessary to have a thorough understanding of the disease process by examining the basic reactions of cells and tissues to the abnormal stimuli that underlie all physical diseases. These fundamental aspects of general pathology are necessary to understand the specific responses of specialised organs and tissues examined in systemic pathology. | mode will be a contracted and primary of the solution of the s | ne end of this ule the student be able to: Discuss the chysiological and pathology hanges that take place in ells and how nat relates to diseases, injury and healing understand the process of an individual of the process of uid omoeostasis, and how that elates to be dema, arombosis and hock distinguish the unctions of arious omponents of the immune process of uid automotions of arious omponents of the immune process of uid automotions of arious omponents of the immune process of arcinogenesis, and how that elates to the dinical manifestations, diagnosis and reatment of the immune process of arcinogenesis, and how that elates to the dinical manifestations, diagnosis and reatment of |
| | | | | | | | n d tr c | nanifestations, liagnosis and reatment of ancer |
| | | | | | | | 0 | dentify the role of genetics in the |

| | ı | 1 | 1 | 1 | 1 | | |
|--|-------------|------|----|---|---|--|---|
| | | | | | | | development of diseases Discuss the aetiology, clinical features and diagnosis of common paediatric illnesses Review the major infectious and environmental diseases in terms of their aetiology, clinical features, diagnosis and treatment Demonstrate an understanding of the major pathologies that affect the various systems of the body in terms of their pathogenesis, clinical features, diagnosis and treatment. |
| Personal and Professional Development 1 | PPDCMY 1 | 100% | 0% | 5 | 5 | The purpose of this module is to enhance the students' ability to benefit from the academic learning process and develop personal, communication and career management skills. | At the end of this module the student will be able to: • Use processes and systems of learning management within the University • Use the Harvard Date Author academic referencing system • Implement various study methods • Identify and utilise formats for writing |

| | | 4000/ | 0% | 6 | | | essays and formal report Interpret material and form links between concepts and theories producing a coherent argument Verbal and written reasoning and fluency Write effectively using academic and business conventions such as essays and formal reports. |
|---|----------|-------|-----|---|---|--|--|
| Personal and Professional Development 2 | PPDCMY 2 | 100% | 070 | | 5 | The purpose of this module is to enable students to develop skills and competences that enhances their competence in communication, self-management, problem solving, self-confidence, flexibility and the ability to learn effectively. | At the end of this module the student will be able to: Identify their personal strengths and weaknesses in relation to their degree programme and the expectations of the professional environment or potential employers Work independently and in groups Identify appropriate actions they should take to enhance their personal qualities and competences in relation to their life and their career Study effectively and efficiently at |

| | | | | | | | undergraduate level Interpret material in an original and evaluative way Demonstrate techniques for presentations Use a variety of information sources in their research and learning activities Keep records of their learning and progress towards personal, academic and career goals Plan, organise and structure work that is coherent, fluent and accurate Write using academic and business conventions, such as essays and |
|-------------|-------------|------|----|---|----|---|--|
| Pharmacolog | PHMCMA 3 | 100% | 0% | 6 | 14 | The purpose of this module is introduce the student to the major concepts underpinning pharmacology, mechanisms of drug actions and their therapeutic interventions in disease. | formal reports. At the end of this module the student will be able to: • Demonstrate a basic understanding of drug naming, pharmacokineti cs, and pharmacodyna mics • Identify drug interactions and their consequences Apply the following information for all drugs in the different body systems: Pharmacological class, Mechanism |

| | | | | | | | of Action, Pharmacokinetics, |
|----------------------|--------|-----|-----|---|----|--|--|
| | | | | | | | Therapeutic Uses, Adverse Effects, |
| | | | | | | | Contraindications, Drug Interaction, |
| | | | | | | | Food Interactions, Herbal Interactions, |
| | | | | | | | Disease |
| Physics for | PHYCHA | 50% | 50% | 5 | 10 | Science module | Interactions At the end of this |
| Health Sciences 1 | 1 | | | | | The purpose of this module is to develop the basic knowledge | module the student will be able to: |
| | | | | | | and understanding of physics. | notation and the decimal system to manipulate |
| | | | | | | | SI-units. • Apply |
| | | | | | | | knowledge of vector theory in mechanical |
| | | | | | | | problems |
| | | | | | | | • Explain the concepts of |
| | | | | | | | work done, kinetic energy, potential |
| | | | | | | | energy, the law of conservation of energy, |
| | | | | | | | power |
| | | | | | | | Explain heat capacity, latent heat, linear-, |
| | | | | | | | area-, volume- expansivities |
| | | | | | | | Define the terms density, |
| | | | | | | | relative density and pressure |
| | | | | | | | Explain the production of |
| | | | | | | | static electricity |
| | | | | | | | by friction using the electron theory |
| | | | | | | | Describe the nature and |
| | | | | | | | properties of alpha, beta and |
| | | | | | | | gamma radiations, |
| | | | | | | | derive from |
| | | | | | | | basic principles of the law of |

| | | | | | | | radioactive decay Explain wave- particle duality, quantum, quantized photon, quantization of energy, photo electric effect, wave nature of electrons |
|--------------|----------|------|----|---|----|---|---|
| | | | | | | | Explain the production and transmission of sound and describe the different types of ultrasound scan. |
| Physiology 2 | PHYCMY 2 | 100% | 0% | 6 | 25 | The purpose of this module is to enable the student to describe the relationship between the structure and the specialised functions of the cardiovascular, immune and respiratory systems, the digestive, excretory, reproductive systems (and related) to develop students reasoning to assess health related needs and problems in humans. | At the end of this module the student will be able to: Describe the systems that regulate body functions Understand the regulation and functioning of the systems of the body: the skin and appendages, musculoskeleta I system and movement, central and peripheral nervous system and the senses, endocrine and reproductive systems, the heart and circulation, immunity and the lymphatic system, the lungs and respiratory system, metabolism and digestion, and the urinary system and urination |

| | | | | | | | Explain the roles |
|-------------------|-------------|------|----|---|----|--|---|
| | | | | | | | that various systems have on the functioning and regulation of other systems for the maintenance of health and homeostasis. |
| Phytochemistry | PHTCM B3 | 100% | 0% | 7 | 10 | The purpose of this module is to provide students with the fundamental branch of chemistry dealing with the chemical processes associated with plant life and the chemical compounds produced by plants. | At the end of this module the student will be able to: Describe in detail the molecular genetics and genomics of plant cells Understand the impact of environmental and ecological change on plants Name and classify plant constituents Demonstrate the various techniques of plant extraction and herbal medicine preparation Understand the effects of the primary and secondary metabolites of plants Outline the principles of validating herbal therapeutics. |
| Phytotherapy 1 | PTTCMY 3 | 100% | 0% | 7 | 15 | The purpose of this module is to expand the students' knowledge regarding the principles of phytotherapy, efficacy and safety of herbal medicines and their various dosage forms, as well as identify | At the end of this module the student will be able to: • Explain the principles of phytotherapy • Describe the various dosage forms of herbal medicines |

| | | | | | | commonly used medicinal plants. | Understand herb-herb and herb-drug interactions and safety Demonstrate an understanding of case taking in the and the development of relevant treatment strategies Discuss the indications of commonly used medicinal plants Critically evaluate evidence for efficacy of herbal medicines. |
|---|-------------|------|----|---|----|---|---|
| Phytotherapy 2 | PTTCMY 4 | 100% | 0% | 7 | 20 | The purpose of this module is to provide the student with an indepth understanding and systematic knowledge base of the individual herbs commonly used in a phytotherapy practice. | At the end of this module the student will be able to: • Discuss the clinically relevant information including effects, uses, dosage, preparations, and safety of individual herbs • Explain the botany, pharmacology, efficacy, indications, contraindications, and safety of individual herbs. |
| Practice Management and Jurisprudence 1 | PMJCM A4 | 100% | 0% | 7 | 8 | The purpose of this module is to confront the student with the numerous challenges and considerations specifically required in the establishment of a complementary medicine private practice, to introduce | At the end of this module the student will be able to: • Demonstrate knowledge of pertinent legislation and regulations |

| | | | | | | the concept of legal regulation of health professions in general as well as to present specific areas of regulation that are required to be known by the graduate when entering practice. | Conduct a practice feasibility study and business plan is conducted Understanding and apply the basic principles of financial management Describe principles of professional conduct are described and evaluated by means of oral and written evidence Identify parameters in order to maintain patient dignity whilst acknowledging patient diversity Demonstrate an understanding of the legislation and regulations that pertain to the prescribing, compounding or dispensing. |
|--|-------------|------|----|---|----|---|--|
| Research Methods in Complementa ry Medicine | REMCMA 4 | 100% | 0% | 7 | 10 | The purpose of this module is to provide the student with an understanding and systematic knowledge base of research methods in complementary medicine. | At the end of this module the student will be able to: • Discuss the basic concepts of research methodology • Identify and initiate an appropriate research project • Review and critique research • Describe the processes of designing a research project and collecting data |

| | | | | | | | Understand statistical analysis and interpretation of results Prepare a research proposal Critically discuss ethical consideration in research, including plagiarism. |
|--|-------------|------|----|---|----|---|---|
| Research Project in Complementa ry Medicine | REPCMB 4 | 100% | 0% | 7 | 10 | The research project is aimed at assisting the student to demonstrate sound knowledge, competences and skills gained from all modules to successfully identify a complementary medicine area of research. | At the end of this module the student will be able to: Formulate a research report in the field of complementary medicine. |
| Sociology of Health and Health Care | SOHCHB 1 | 100% | 0% | 6 | 10 | The purpose of this module is to enable the student to develop an understanding of the sociology of health and its application in the field of Complementary Health care in South Africa, with particular emphasis on homeopathy, phytotherapy and acupuncture. | At the end of this module the student will be able to: Discuss the fundamentals of health and healthcare Critically differentiate between the major perspectives associated with the field of psychology Demonstrate an understanding of the biological processes and how they influence human behavior Demonstrate an understanding of awareness and the various levels experienced |

| | | |
|------|--|-------------------------------|
| | | • Compare the three types of |
| | | learning |
| | | • Describe the |
| | | processes |
| | | involved in |
| | | memory: |
| | | coding, storage |
| | | and retrieval |
| | | • Explain the |
| | | various types of |
| | | intelligence |
| | | Describe |
| | | motivation and |
| | | the different |
| | | theories of |
| | | emotion |
| | | Understand the |
| | | role of |
| | | counselling in |
| | | healthcare |
| | | Differentiate between the |
| | | between the different |
| | | theories of |
| | | personality. |
| | | personality. |

POSTGRADUATE DIPLOMA IN ACUPUNCTURE (E9A01Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|----------------------------------|-------------|--------------|--------------|-------|---------|---|--|
| Acupuncture Therapeutics 1 | ACT01Y 1 | 100% | 0% | 5 | 20 | The purpose of this module is to enable the student to develop a coherent and critical understanding of acupuncture therapeutics, in order to develop treatment protocols in the management of common conditions. | Describe the principles of the various therapeutic acupuncture techniques with regards to treatment planning and outcome evaluation. Apply the various acupuncture techniques in relation to common medical conditions. |
| Acupuncture Therapeutics 2 | ACT01Y 2 | 100% | 0% | 5 | 24 | The purpose of this module is to provide the student with an in-depth understanding of the theoretical and research-based knowledge related | Compare and contrast various acupuncture treatments sourced from research and classical texts appropriate to individual cases to |

| | | | | | | to acupuncture in order to develop strategies and formulations to treat and manage various health conditions. | improve overall treatment efficacy and prognosis. Identify the appropriate therapeutic acupuncture protocols as they relate to body systems and disorders. |
|------------------------------|-------------|------|----|---|----|--|---|
| Applied Research | APRCM Y2 | 100% | 0% | 5 | 8 | This module is aimed at assisting the student to demonstrate sound knowledge, competences and skills gained from all modules to successfully conduct a research project in the field of acupuncture. | Formulate a research report in the field of acupuncture. |
| Clinical Acupuncture 1 | CLACMY 1 | 100% | 0% | 5 | 15 | The purpose of this module is to introduce the student to the clinical skills required to practice acupuncture i.e. developing practical skills in needle insertion and manipulation, cupping techniques and application of moxibustion. | At the end of this module the student will be able to: Apply the appropriate hygiene and safety protocols required when administering acupuncture treatments. Demonstrate safe needling insertion and manipulation techniques. Demonstrate safe moxibustion and cupping practices. |
| Clinical Acupuncture 2 | CLACMY 2 | 100% | 0% | 5 | 20 | The purpose of this module is to provide the student with advanced clinical acupuncture skills related to the treatment and management of patients. | Integrate information relating to the principles and theories of acupuncture, including case taking, in a clinical setting Formulate acupuncture treatment strategies for application in a clinical setting |

| | | | | | | | Critically evaluate the outcome of each 259ndividualized treatment plan based on follow-up feedback from the patient. |
|---------------------------------|-------------|------|----|---|----|--|---|
| Ethics and Jurisprudenc e | ETJCMY 2 | 100% | 0% | 5 | 8 | The purpose of this module is to provide the student with the ethical foundations required in private practice, and to expand on their knowledge pertaining to legal regulation of health professions and specifically acupuncture practice. | Demonstrate knowledge and apply principles of ethical conduct. Discuss and acknowledge the various aspects of patient diversity. |
| Foundations of Acupuncture | FOACM Y1 | 100% | 0% | 5 | 15 | The purpose of the module is to enable the student to develop an in-depth understanding of the history, philosophy and principles of acupuncture practices, its efficacy and safety, and the role of evidence-based practice (EBP) in its approach to treatment. | Relate the history, philosophy and principles of acupuncture Demonstrate an understanding of the efficacy and safety of the various acupuncture treatment strategies. |
| Needling Techniques 1 | NETCM Y1 | 100% | 0% | 5 | 10 | The purpose of this module is to provide students with practical experience related to the various acupuncture needling techniques. | Identify meridians, their course, diagnosis, and pathology relating to each meridian. Have an understanding of point selection in the management of common disorders. Demonstrate the various needling techniques used in acupuncture treatments. |

POSTGRADUATE DIPLOMA IN PHYTOTHERAPY (E9P01Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|------------------------------|-------------|--------------|--------------|-------|---------|---|--|
| Applied Phytotherapy 1 | APT01Y 1 | 100% | 0% | 5 | 25 | The purpose of this module is to provide the student with an in-depth understanding and | At the end of this module the student will be able to: |
| | | | | | | systematic knowledge-base of the individual herbs commonly used in a phytotherapy practice. | Discuss the clinically relevant information including the effects, uses, dosage, and preparations of individual herbs. |
| | | | | | | | Explain the botany, pharmacology, efficacy, and indications of individual herbs. |
| | | | | | | | Consider the contra- indications and safety of individual herbs. |
| Applied Research | APRCM Y2 | 100% | 0% | 5 | 8 | This module is aimed at assisting the student to demonstrate sound knowledge, competences and skills gained from all modules to successfully conduct a research project in the field of phytotherapy. | At the end of this module the student will be able to: Formulate a research report in the field of phytotherapy. |
| Clinical Phytotherapy | CLPCMY 2 | 100% | 0% | 5 | 30 | The purpose of this module is to provide the student with theoretical and research-based | At the end of this module the student will be able to: |
| | | | | | | knowledge related to herbal medicines in order to develop strategies and formulations to treat and manage various health | Integrate information relating to the principles and theories of phytotherapy, case taking and prescribing. Develop |
| | | | | | | conditions. | phytotherapeutic protocols related to |

| | | | | | | | body systems and their associated health conditions. |
|-------------------------------|-------------|------|----|---|----|--|---|
| Ethics and Jurisprudenc e | ETJCMY 2 | 100% | 0% | 5 | 8 | The purpose of this module is to provide the student with the ethical foundations required in private practice, and to expand on their knowledge pertaining to legal regulation of health professions and specifically phytotherapy practice. | At the end of this module the student will be able to: Demonstrate knowledge and apply principles of ethical conduct. Explain the importance of the maintenance of patient dignity with reference to human rights. Detail the legislation, regulations and guidelines that pertain to healthcare practice in South Africa. |
| Foundations of Phytotherapy 1 | FOPCM Y1 | 100% | 0% | 5 | 10 | The purpose of the module is to enable the student to develop an in-depth understanding of the history, philosophy and principles of phytotherapy practices, efficacy and safety of herbal medicines and their various dosage forms, and the role of evidence-based practice (EBP) in its approach to treatment. | At the end of this module the student will be able to: Discuss the history, philosophy and principles of phytotherapy. Have an understanding of the various constituents and dosage forms of herbal medicines, as well as the safety issues around using herbs, including herbherb and herb-drug interactions. Demonstrate an understanding of case taking and the development of relevant treatment strategies. |

| Herbal Pharmacogn osy | HPCCM Y1 | 100% | 0% | 5 | 10 | The purpose of this module is to provide students with knowledge regarding medicinal plant identification, classification, and preparation, as well as the integration of traditional herbal knowledge with modern phytotherapy research. | At the end of this module the student will be able to: Identify and classify common medicinal plants. Describe the techniques used in harvesting, producing, dispensing and storing herbal medicines. Display an understanding of the relationship between traditional or empirical knowledge and evidence-based research regarding medicinal plants. |
|--|-------------|------|----|---|----|--|---|
| Herbal Pharmacolog y and Phytochemist ry | HPPCM Y1 | 100% | 0% | 5 | 15 | The purpose of this module is to provide students with the chemistry concept that relate to the chemical processes associated with plant life and the chemical compounds produced by plants, as well as to analyse and apply advanced concepts of the pharmacology of herbal medicines, particularly of the key chemical constituents. | At the end of this module the student will be able to: Have an understanding of the impact of environmental and ecological change on plants and their constituents. Outline the principles of validating herbal therapeutics. Evaluate the principles of pharmacodynamics and pharmacodynamics and plants, in relation to the various chemical constituents. |
| Herbal Pharmacy | HEPCM Y2 | 100% | 0% | 5 | 14 | The purpose of this module is to provide the student with an in-depth understanding and practical | At the end of this module the student will be able to: |

| | | application of the | |
|--|--|---------------------|-------------------------|
| | | manufacturing and | and therapeutic |
| | | dispensing of | considerations in all |
| | | herbal medicines in | facets of dispensing |
| | | a practice. | medicines and |
| | | | therapeutic devices. |
| | | | Write, evaluate, |
| | | | interpret and prepare a |
| | | | prescription. Counsel |
| | | | and advise patients to |
| | | | ensure the correct use |
| | | | of medicine and |
| | | | improve health status. |

MASTER OF HEALTH SCIENCES IN COMPLEMENTARY MEDICINE (M9CM1Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|--------------------------------------|---------|--------------|--------------|-------|---------|--|--|
| Applied Homeopathic Materia Medica 2 | AHM9XY1 | 100% | 0% | 9 | 9 | The purpose of this module is to provide the student with applied and evidenced-based knowledge related to homeopathic medicines in order to develop advanced strategies and formulations to treat and manage various health conditions. | At the end of this module the student will be able to: •Demonstrate competence in consulting, diagnosing, treating, and communicating holistic advice to, and managing patients in the field of homeopathy •Function as primary contact practitioners, according to the Scope of Practice as a Homoeopath. •Integrate past knowledge in this field for the management of patients •Prepare therapeutic protocols for various systems or conditions. |
| Applied Phytotherapy 2 | APT9XY1 | 100% | 0% | 9 | 9 | The purpose of this module is to provide the student with applied and evidenced based knowledge related to | At the end of this module the student will be able to: •Develop phytotherapeutic protocols related to |

| | | | | | | herbal medicines in order to develop strategies and formulations to treat and manage various health conditions. | body systems and their associated health conditions •Formulate herbal medicine treatment strategies and apply to case studies in the clinic setting, under supervision. |
|---------------------|---------|------|----|---|---|---|--|
| Clinical Practice 2 | CPR9XY1 | 100% | 0% | 9 | 9 | The purpose of this module is to provide the student with the necessary competencies to assess an extensive range of health problems presented in clinical practice and use a comprehensive range of solutions for their recognition, investigation, diagnosis, treatment and management. | At the end of this module the student will be able to: •Approach various real life medical cases with a view to arriving at a process for diagnosis and further management of the patient •Select the most appropriate special investigation or examination that would aid in the diagnosis of the patient •Work together as part of a diagnostic and clinical management team •Integrate theoretical knowledge with the real time, supervised treatment of patients in a range of supervised clinical scenarios •Define Evidence-based medicine (EBM) •Explain the relevance of EBM to private practice and the practice of medicine generally •Discuss the impact of such principles on medicine and the operations of the health professional, |

| | | | | | | | particularly when related to Complementary Medicine (CM) •Evaluate the quality of medical evidence to enable decision making. |
|------------------------------------|--------------------|------|----------|-----|-----|---|--|
| Homeopathic Materia Medica 3 | HMM9XY 1 | 100% | 0% | 9 | 9 | The purpose of this module is to provide the student with an advanced understanding and expanded knowledge base of the Materia Medica remedies used in a homeopathic practice. | At the end of this module the student will be able to: •Choose appropriate prescription methodologies in a wide range of case settings •Integrate the remedies in the form of families or kingdoms •Identify key clinical and characteristic indications for remedies •Discuss and compare remedy indications |
| Homeopathy Internship | HPI9XB2 HPI9XA2 | 100% | 0% 0% | 9 9 | 0 0 | The purpose of the internship module is to enhance professional skills of homeopathic healthcare and patient management within the scope of practice, preparing students for the world of work. | On completion of the homeopathic internship module the student will: •Refine their diagnostic skills •Achieve advanced case taking and relevant prescriptions skills •Have exposure to the full range of various therapeutics provided in the scope of practice •Become familiar with general private practice establishment including (but not limited to): - -Front office -Dispensary (ordering, storage, creating, accounts with various suppliers, how to vet products) |

| Phytotherapy | PTT9XY1 | 100% | 0% | 9 | 9 | The purpose of this | -Banking options -Stationary -Medical aid re- imbursements (relevant coding) -Contracts for leasing -Registering with laboratories and radiological services -Legal requirements as prescribed by the Act, the Regulations, and other relevant laws, including but not limited to Consumer Protection Act 2008. At the end of this |
|--|----------|--------|------|---|----|---|---|
| 3 | 1 119/11 | 100 /0 | 0 70 | 3 | 3 | module is to provide the student with an advanced understanding and expanded knowledge base of the individual herbs used in a phytotherapy practice. | module the student will be able to: •Discuss the clinically relevant information including effects, uses, dosage, preparations, and safety of individual herbs •Explain the botany, pharmacology, efficacy, indications, contraindications, and safety of individual herbs. |
| Practice Management and Jurisprudenc e | PEJ9XA1 | 50% | 50% | 9 | 16 | The purpose of this module is to provide the student with the advanced skills required in the establishment of a homeopathic/ phytotherapy private practice, and to expand on their knowledge pertaining to legal regulation of health professions and specifically homeopathic/ phytotherapy practice. | At the end of this module the student will be able to: •Demonstrate knowledge and apply principles of ethical conduct •Demonstrate appropriate responses to the patient's needs and requests in accordance with the ethical code of practice •Provide written evidence of |

| | | | | | | | knowlodge st |
|---------------------|---------|------|----|---|---|--|---|
| | | | | | | | knowledge of pertinent legislation and regulations •Discuss and acknowledge the various aspects of patient diversity •Explain the importance of the maintenance of patient dignity with reference to human rights •Detail the legislation, regulations and guidelines that pertain to healthcare practice in South Africa. |
| Research Project | REP9XY1 | 100% | 0% | 9 | 9 | The purpose of this module is for the student to demonstrate sound knowledge, competences, and skills gained from all modules to successfully identify, prepare and complete a capstone research project in the field of complementary medicine. | At the end of this module the student will be able to: •Demonstrate the relevance of different research methodologies as they would be relevant to the field of complementary medicine research. •Interpret and critique of medical research •Formulate a relevant research question; develop a capstone proposal; collect data; control of bias; analysing, confounding, and interpretation of results. •Conduct the proposed research investigation and formulate a capstone project. |
| Research Project | REP9XY2 | 100% | 0% | 9 | 9 | The purpose of this module is for the student to demonstrate sound knowledge, competences, and skills gained from all modules to successfully identify, prepare and | At the end of this module the student will be able to: •Demonstrate the relevance of different research methodologies as they would be relevant to the field of complementary |
| 267 | | | | | | RULES AND REGI | U ATIONIO 0004 |

| | complete a capstone research project in the field of complementary medicine. | •Interpret and |
|--|--|----------------|
| | | •Conduct the |

HS12.4 DEPARTMENT OF EMERGENCY MEDICAL CARE

HIGHER CERTIFICATE IN EMERGENCY MEDICAL CARE (F9E01Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|------|---------|--------------|--------------|-------|---------|---------------------|---|
| 275 | ANATCY1 | 100% | 0% | Б | 12 | Module deals mainly | structures of the human body. Classify, identify, explain and locate the various components of the musculoskeletal system and their related structures. Demonstrate and explain different movements at joints related to the skeleton. Identify, locate and explain the different parts of the skin and its function. Define, describe and draw various components of the central and peripheral nervous system. Describe, identify and locate components of the endocrine system and its interconnections. Describe, identify and differentiate various components of the cardiovascular |

| | | Describe and |
|--|--|---|
| | | identify different components of the digestive system. |
| | | Describe and list all the components of the respiratory system. |
| | | Describe and list all the components of the urogenital system. |
| | | Identify and palpate key skeletal and soft tissue landmarks of the human body. |
| | | |
| | | |
| | | |
| | | |
| | | |

| Pasia | CHBCEB1 | 100% | 0% | 5 | 6 | Dringinles of | List the different |
|-----------|---------|------|----------|---|---|--------------------------------|-----------------------|
| Basic | CHBCEBI | 100% | 0% | Э | 6 | Principles of | |
| Sciences: | | | | | | chemistry are applied | classes of elements |
| Chemistry | | | | | | in several modules | in the periodic table |
| | | | | | | within the | and describe how |
| | | | | | | qualification, and also | they are likely to |
| | | | | | | serve as a foundation | react. |
| | | | | | | for the students' | |
| | | | | | | further development | Perform basic |
| | | | | | | in their careers in the | chemical |
| | | | | | | health sciences. | calculations using |
| | | | | | | | the formulas of |
| | | | | | | The purpose of this | compounds and |
| | | | | | | module is to develop students' | balanced equations. |
| | | | | | | understanding of the | Predict how gases |
| | | | | | | basic principles of | behave under |
| | | | | | | chemistry that | certain conditions. |
| | | | | | | underpin various | |
| | | | | | | theoretical content in | Classify different |
| | | | | | | the medical modules. | types of solutions, |
| | | | | | | | explain their |
| | | | | | | This becomes | properties and |
| | | | | | | valuable in the | calculate their |
| | | | | | | understanding of | acidity. |
| | | | | | | principles that | |
| | | | | | | underpin | Identify the physical |
| | | | | | | physiological | properties of the |
| | | | | | | processes, and | most common |
| | | | | | | emergency care. | organic and |
| | | | | | | and general date. | inorganic |
| | | | | | | Examples of such | compounds and |
| | | | | | | include behaviour of | predict how they will |
| | | | | | | gases such as | react. |
| | | | | | | oxygen, carbon | rodot. |
| | | | | | | dioxide and nitrogen, | Explain the different |
| | | | | | | equations and | types of radiation; |
| | | | | | | compounds within the | know their medical |
| | | | | | | human body as well | applications and the |
| | | | | | | as medical application | dangers associated |
| | | | | | | of types of radiation. | |
| | | | | | | or types or radiation. | with exposure to |
| | 1 | | <u> </u> | | | | each type. |

| Basic Sciences: Physics 1A | PHYCEA1 | 50 | 50 | 5 | 6 | Principles of physics are applied in several modules within the qualification, and also serve as a foundation for the students' further development in their careers in the health sciences. | Describe what matter is and the different states of matter. Use scientific notation and the decimal system to manipulate SI-units. |
|----------------------------------|---------|------|----|---|----|--|---|
| | | | | | | The purpose of this module is to develop students' understanding of the basic principles of physics that underpin various theoretical content in the medical modules. This becomes valuable in the understanding of principles that underpin physiological processes, and emergency care. Examples of such include gas laws and their effect on chest expansion, ventilation and gas exchange. | Formulate and explain the laws and definitions in kinetics and dynamics and apply these to solving problems in those fields. State the laws and define the physical quantities used in gasses and hydrostatics and apply these to solving problems in stationary fluids. Explain the processes whereby energy and heat may be transferred. |
| Clinical Practice 1 | CLPECY1 | 100% | 0% | 5 | 36 | This module aims to provide the student with the platform to meaningfully interact with patients and improve clinical performance through clinical learning and also to reflect on the learning that has taken place within the clinical learning context through completing case studies and reflective reports | Demonstrate effective communication and apply the principles of medical ethics, professional behaviour and the legal framework to the context within which emergency care practitioners operate in the real work environment during Clinical Learning. Provide emergency medical care to patients suffering from illnesses and injuries commonly found in the South African pre-hospital |

| | | setting by answering scenario-based questions in the real world setting during Clinical Learning. |
|--|--|---|
| | | Demonstrate, by treating real patients, the ability to make sound clinical judgments in simple cases using knowledge and understanding of human and basic sciences underpinning emergency medical care. |
| | | Demonstrate, by completing case studies, the ability to examine a clinical example or phenomenon encountered during Clinical Learning in detail. |
| | | Demonstrate, by completing reflective reports, the ability to meaningfully reflect on the learning that has taken place within the WIL environment. |

| Emergency Medical Care 1 Practical | EMCCPY 1 | 100% | 0% | 5 | 24 | Medical Care I Practical Module deals with practical application of theoretical concepts and principles that underpin emergency care, in the acute out- of-hospital settings. On completion, students should start to integrate their understanding of anatomy, physiology, pathology and professional practice to patient care at a level that is consistent with the level of an Emergency Care Assistant. This module also aims to equip students with the ability to interact with patients, make accurate diagnoses and sound clinical judgments that informs and validates decisions regarding patient care and treatment, to the | approved list of capabilities of an ECA by performing Objective Structured Clinical Examinations (OSCEs) and Clinical Vignettes. Demonstrate effective patient communication and apply the principles of medical ethics and professional behaviour when managing simulated patients. Demonstrate, by performing patient simulations, the ability to assess patients and interact with patients confidently and professionally in order to accurately diagnose simple processes. Demonstrate, by performing patient simulations, the ability to make sound clinical judgments. Demonstrate, by performing patient simulations, the ability to make sound clinical judgments. Demonstrate, by performing patient simulations and clinical vignettes, the ability to provide appropriate care to |
|--|-------------|------|----|---|----|---|--|
| | | | | | | level of an Emergency Care | clinical judgments. Demonstrate, by performing patient simulations and clinical vignettes, the ability to provide |

| | | | | т | | | L |
|---------------------------------------|---------|------|----|---|-----|---|---|
| Emergency Medical Care 1 Theory | EMCCTY1 | 100% | 0% | 5 | 112 | The purpose of the Emergency Medical Care I Theory Module is to develop the student's knowledge and understanding of foundational theoretical concepts and principles that underpin the provision of medical care in the acute out-of-hospital settings. On completion of the module, students should be able to answer questions regarding the principles of pre-hospital emergency care, to the complexity expected from graduate Emergency Care Assistants. Students will also start to integrate principles of anatomy, physiology, and professional practice to patient care. | Discuss effective communication in scenario based written knowledge tasks. Apply the principles of medical ethics, professional behaviour and the legal framework to the context within which emergency care providers operate by completing scenario based written knowledge tasks. Discuss how to provide emergency medical care to patients suffering from illnesses and injuries commonly found in the South African pre-hospital setting, by answering scenario-based questions in integrated assessments to the level and scope of a graduate ECA. Demonstrate, by answering scenario-based questions in integrated assessments, the ability to make sound clinical judgments in simple cases using knowledge and understanding of human and basic sciences underpinning emergency medical care, to the level and scope of a graduate ECA. |

| End User | ENILICO11 | 1000/ | 00/ | 5 | 6 | The numero of the | Evolain concents and |
|-------------|-----------|-------|-----|---|---|---------------------------------------|---------------------------------------|
| Computing | ENUC011 | 100% | 0% | 3 | 6 | The purpose of the End User Computing | Explain concepts and terms associated |
| Joinpailing | | | 1 | | | Module is to provide | with Information |
| | | | 1 | | | the student with the | With Information |
| | | | | | | basic skills necessary | (Technology (IT) |
| | | | | | | to operate a personal | |
| | | | | | | computer. At the end | |
| | | | | | | of this module, the | ability to use |
| | | | | | | | common functions of |
| | | | | | | prepare, edit and | a PC and its |
| | | | | | | print documents and | operating system. |
| | | | | | | send and receive | peramig eyeteiiii |
| | | | | | | emails as well as | Demonstrate the |
| | | | | | | utilise the internet as | ability to use a word |
| | | | | | | a source of | processing |
| | | | | | | information. | application on a |
| | | | | | | | |
| | | | | | | | computer. |
| | | | | | | | ' |
| | | | | | | | Demonstrate the |
| | | | | | | | ability to use a |
| | | | | | | | presentation |
| | | | | | | | application on a |
| | | | | | | | computer. |
| | | | | | | | |
| | | | | | | | Explain concepts and |
| | | | | | | | terms associated |
| | | | | | | | with using the |
| | | | | | | | Internet. |
| | | | | | | | Damanatrata tha |
| | | | 1 | | | | Demonstrate the |
| | | | 1 | | | | ability to use e-mail |
| | | | | | | | software on a |
| | | | | | | | computer. |
| | | | | | | | Demonstrate the |
| | | | 1 | | | | ability to use a |
| | | | 1 | | | | spreadsheet |
| | | | 1 | | | | application on a |
| | | | | | | | computer. |
| | | | | | | | ooniputor. |
| | | | 1 | | | | Demonstrate the the |
| | | | 1 | | | | ability to use a |
| | | | 1 | | | | database on a |
| | | | 1 | | | | computer. |
| | 1 | 1 | I | 1 | 1 | | computer. |

| Foundations Foundations of Professional Practice | OPPCA1 | 100% | 0% | 5 | 10 | The purpose of the | Discuss the |
|--|--------|------|----|---|----|--|--|
| | | | | | | Foundations of Professional Practice Module is to introduce the student to the structure and functioning of the broader health sector within the country, as well as how emergency services operate and function. This module also assists the student to understand their role and function within the context of the legal framework within which the ECA operates. The module delineates issues such as expected conduct, professional behaviour and ethics. This module also covers the correct usage, inspection and, where applicable, the maintenance of vehicles and medical equipment used in the emergency care environment. | structure and function of Emergency Medical Service (EMS) systems in South Africa and explain how the EMS relates to the broader health care structures within the country. Discuss a variety of topics related to medical ethics, professional behaviour and the legal framework within the Emergency Medical Services context. Explain the various types of emergency service vehicles and, where applicable, demonstrate the correct operating procedures that should be followed when using such vehicles. Discuss the importance of health and safety in and around the workplace and to identify the potential hazards that you may be faced with during the course of your duties as an emergency care assistant. Demonstrate the ability to professionally communicate using various communication systems that may be used in the |
| | | | | | | | be used in the emergency services |
| | | | | | | | Discuss useful |

| | | | | | | | generic skills that |
|----------------------------------|-------------|------|----|---|---|---|---|
| | | | | | | | are necessary if you are to provide a professional service within a specific organizational framework (policies and procedures) as well as a legal framework. |
| Mental Health and Wellness | MHAECB 1 | 100% | 0% | 5 | 6 | The purpose of the Mental Health and Wellness Module is to introduce the student to mental health issues such as stress and burnout including the ways in which the emergency care assistant may manage their own metal wellbeing and that of their colleagues within the potentially stressful emergency care environment. | Explain the concept of mental health and link between mental health and physical wellbeing. Explain and identify depression, stress and stress management. Explain methods of conflict management. Explain the concepts behind crisis intervention. Describe human reactions to and ways of managing death and dying. Discuss substance abuse and the role of environment in mental health issues. Explain how to identify and manage signs and symptoms or stress, burnout and depression in oneself and others. |

| Dhygiaal | DUDDCV4 | 1000/ | 00/ | 5 | 12 | The nurness of the | Dana a surinamin : |
|--------------------------------|---------|-------|-----|---|----|--|--|
| Physical Preparednes s 1 | PHPRCY1 | 100% | 0% | 5 | 2 | The purpose of the physical preparedness module is to provide students with the opportunity to obtain an acceptable level of physical fitness and swimming proficiency thus supporting them safely engaging in emergency care learning experiences and related environments. | Pass a swimming proficiency assessment. Swimming proficiency assessments are stipulated within the learning guide in the beginning of each academic year. Pass a cardiovascular fitness assessment. The specific assessment will be stipulated within the learning guide in the beginning of each academic year. Pass a strength assessment will be stipulated within the learning guide in the specific assessment will be stipulated within the learning guide in the beginning of each academic year. |

| Physiology 1 PHYSEY1 100% 0% 5 12 The module will enable students to gain the relevant physiological background applicable to Emergency Medical Care in topics such as physiological integumentary. | ciples nd es. he |
|---|---------------------------|
| gain the relevant of chemistry at physiological cellular activitied background applicable to Emergency Medical structure and to Care in topics such as physiological integumentary | nd es. he |
| physiological cellular activities background applicable to Describe the Emergency Medical structure and to Care in topics such functions of the as physiological integumentary | es. he e |
| background applicable to Emergency Medical structure and t Care in topics such functions of the as physiological integumentary | he e |
| applicable to Emergency Medical structure and t Care in topics such functions of the as physiological integumentary | Э |
| Emergency Medical structure and to Care in topics such functions of the as physiological integumentary | Э |
| Care in topics such functions of the as physiological integumentary | Э |
| as physiological integumentary | |
| | |
| | |
| terminology, Cellular system and its | |
| physiology, associated | |
| Endocrine, appendages. | |
| Reproductive, | |
| Nervous, Describe the | |
| Cardiovascular, physiological | |
| Respiratory, Urinary mechanisms | |
| and Digestive involved in | |
| | |
| system physiology movement. as well as Special | |
| senses. Explain the | |
| physiological | |
| mechanisms o | f |
| communication | |
| integration and | |
| control of the | • |
| nervous system | m |
| lier vous system | 11. |
| Relate the | |
| structures and | |
| functions of the | |
| endocrine glar | |
| and reproducti | |
| organs to their | |
| functions. | |
| lunctions. | |
| Describe the | |
| anatomy and | |
| physiology of t | he |
| circulatory sys | |
| | |
| Describe the | |
| physiology of t | he |
| respiratory sys | |
| Relate the stru | cture |
| | |
| of the organs a | |
| accessory glar | |
| the digestive s | |
| to their function | ns. |
| Describe the | |
| physiology of t | he |
| urinary system | |

DIPLOMA IN EMERGENCY MEDICAL CARE (D9E01Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome | |
|-----------|--------|--------------|--------------|-------|---------|---|------------------------|---|
| Anatomy 1 | ANAT01 | 100% | 0% | 5 | 12 | The module will enable students to gain the relevant anatomical background applicable to Emergency Medical Care in the following topics: anatomical terminology, Musculoskeletal anatomy, Histology, Endocrine, Reproductive, Nervous, Cardiovascular, Respiratory, Urinary and Digestive systems, as well as Special senses. | 3. | and apply anatomical terminology. Classify, describe and locate the four types of basic tissues and related structures of the human body. |

| | I | | 1 | 1 | 1 | | | |
|---------------------------------|-------------|-----|-----|---|---|---|---|---|
| | | | | | | | 6.7.8.10 | explain different movements at particular joints related to the skeleton. Identify, locate and explain the different parts of the skin and its function. Define, describe and draw various components of the central and peripheral nervous system. Describe, identify and locate components of the endocrine system and its interconnections. Describe, identify and differentiate various components of the cardiovascular system. Describe and identify different components of the digestive system. Describe and list all the components of the respiratory system. Describe and list all the components of the respiratory system. |
| | | | | | | | | Describe and list all the components of the urogenital system. Identify and |
| | | | | | | | | palpate key skeletal and soft tissue landmarks of the human body |
| Basic Sciences: Chemistry | CET1DB 1 | 50% | 50% | 5 | 6 | The purpose of this module is to develop students' understanding of the basic principles of chemistry to serve as | 1. | Describe matter using macroscopic and microscopic properties. List the different |
| 283 | • | | | • | | RUI ES AND RE | | |

| | | I | I | | | - f | | -1 |
|------------|--------|-----|-----|---|---|------------------------|----|------------------------------------|
| | | | | | | a foundation for the | | classes of |
| | | | | | | students' further | | elements in the |
| | | | | | | development in their | | periodic table |
| | | | | | | careers in the health | | and describe |
| | | | | | | sciences. | | how they are |
| | | | | | | | | likely to react. |
| | | | | | | | 3. | Explain the |
| | | | | | | | | difference |
| | | | | | | | | between atoms |
| | | | | | | | | and elements, |
| | | | | | | | | molecules and |
| | | | | | | | | compounds. |
| | | | | | | | 4. | Perform basic |
| | | | | | | | | chemical |
| | | | | | | | | calculations |
| | | | | | | | | using the |
| | | | | | | | | formulas of |
| | | | | | | | | compounds and |
| | | | | | | | | balanced |
| | | | | | | | _ | equations. |
| | | | | | | | 5. | Predict how |
| | | | | | | | | gases behave |
| | | | | | | | | under certain |
| | | | | | | | _ | conditions. |
| | | | | | | | 6. | Classify different |
| | | | | | | | | types of |
| | | | | | | | | solutions, explain |
| | | | | | | | | their properties |
| | | | | | | | | and calculate |
| | | | | | | | 7 | their acidity. |
| | | | | | | | 7. | Identify the |
| | | | | | | | | physical |
| | | | | | | | | properties of the |
| | | | | | | | | most common |
| | | | | | | | | organic and |
| | | | | | | | | inorganic |
| | | | | | | | | compounds and |
| | | | | | | | | predict how they will react. |
| | | | | | | | 0 | |
| | | | | | | | Ο. | Explain the |
| | | | | | | | | different types of radiation; know |
| | | | | | | | | radiation; know their medical |
| | | | | | | | | applications and |
| | | | | | | | | the dangers |
| | | | | | | | | associated with |
| | | | | | | | | exposure to each |
| | | | | | | | | type. |
| Basic | PHY1DA | 50% | 50% | 5 | 6 | A grounding in physics | 1. | |
| Sciences: | 1 | | | | | is very important for | | notation and the |
| Physics 1A | • | | | | | the student. The | | decimal system |
| , 5.00 17 | | | | | | physics learning | | to manipulate SI- |
| | | | | | | outcomes are applied | | units. |
| | | | | | | in a number of other | 2. | |
| | | | | | | areas in the | | of vector theory |
| | | | | | | qualification and also | | in mechanical |
| | | | | | | serve as a foundation | | |
| i e | | | | | | serve as a iounganon | | propiems |
| | | | | | | for the Students' | 3. | problems. Formulate and |

| Clinical | CI DD04 | 1000/ | 00/ | F | 20 | further development in their careers in the health sciences | 4. | and define the physical quantities used in hydrostatics and apply these to solving problems in stationary fluids. Explain the processes whereby heat is transferred |
|---------------------|---------|-------|-----|---|----|---|----|--|
| Clinical Practice 1 | CLPR01 | 100% | 0% | 5 | 30 | This module aims to provide the student with the platform to meaningfully interact with patients and improve clinical performance through Clinical Learning and also to reflect on the learning that has taken place within the clinical learning context through completing case studies and reflective reports. | | Demonstrate effective communication and apply the principles of medical ethics, professional behaviour and the legal framework to the context within which emergency care practitioners operate in the real work environment during Clinical Learning. Provide emergency medical care to patients suffering from illnesses and injuries commonly found in the South African pre- hospital setting by answering scenario-based questions in the real world setting during Clinical Learning. Demonstrate, by treating real patients, the ability to make sound clinical |

| | | 1 | 1 | 1 | 1 | | | |
|------------|----------|----------|----------|---|----|--|----|---|
| | | | | | | | 5. | judgments in simple cases using knowledge and understanding of human and basic sciences underpinning emergency medical care. Demonstrate the ability to be sensitive to as well as respect cultural diversity in the country and apply this ability when providing care to patients encountered during clinical learning. Demonstrate, by completing case studies, the ability to examine a clinical example or phenomenon encountered during Clinical Learning in detail. Demonstrate, by completing reflective reports, the ability to meaningfully reflect on the learning that has taken place within the WIL environment. Accurately record information regarding the assessment, history taking, decision making and care provided to the patient |
| Clinical | CLPR02 | 100% | 0% | 6 | 36 | This module aims to | 1. | to the patient. Demonstrate |
| Practice 2 | 2 | | | | | provide the student with the platform to meaningfully interact with patients and improve clinical performance through Clinical Learning and also to reflect on the | | effective communication and apply the principles of medical ethics, professional behaviour and the legal framework |
| 286 | <u> </u> | <u> </u> | <u> </u> | 1 | 1 | RULES AND RE | | |

| | | | 1 | |
|-----|---------------------------------------|-----|---------------------------|----------------------|
| | | | learning that has taken | to the context |
| | | | place within the clinical | within which |
| | | | learning context | emergency care |
| | | | through completing | practitioners |
| | | | case studies and | operate in the real |
| | | | reflective reports. | work environment |
| | | | · | during Clinical |
| | | | | Learning. |
| | | | | 2. Provide |
| | | | | emergency |
| | | | | medical care to |
| | | | | patients suffering |
| | | | | from illnesses |
| | | | | and injuries |
| | | | | commonly found |
| | | | | in the South |
| | | | | African pre- |
| | | | | hospital setting by |
| | | | | answering |
| | | | | scenario-based |
| | | | | |
| | | | | questions in the |
| | | | | real world setting |
| | | | | during Clinical |
| | | | | Learning. |
| | | | | 3. Demonstrate, by |
| | | | | treating real |
| | | | | patients, the |
| | | | | ability to make |
| | | | | sound clinical |
| | | | | judgments in |
| | | | | simple cases |
| | | | | using knowledge |
| | | | | and |
| | | | | understanding of |
| | | | | human and basic |
| | | | | sciences |
| | | | | underpinning |
| | | | | emergency |
| | | | | medical care. |
| | | | | 4. Demonstrate the |
| | | | | ability to be |
| | | | | sensitive to as |
| | | | | well as respect |
| | | | | cultural diversity |
| | | | | in the country and |
| | | | | apply this ability |
| | | | | when providing |
| | | | | care to patients |
| | | | | encountered |
| | | | | during clincal |
| | | | | learning. |
| | | | | 5. Demonstrate, by |
| | | | | completing case |
| | | | | studies, the ability |
| | | | | to examine a |
| | | | | clinical example |
| | | | | or phenomenon |
| | | | | encountered |
| 207 | · · · · · · · · · · · · · · · · · · · | ı l | DULEO AND DE | |
| 287 | | | RULES AND REC | GULATIONS 2024 |

| Emergency | EMCPR1 | 100% | 0% | 5 | 12 | The Emergency | the ability to meaningfully reflect on the learning that has taken place within the WIL environment. Accurately record information regarding the assessment, history taking, decision making and care provided to the patient. |
|--------------------------|--------|------|----|---|----|--|---|
| Medical Care 1 Practical | 1 | | | | | Medical Care I Practical Module deals with practical application of theoretical knowledge and understanding of basic life support practice in the acute pre-hospital and casualty settings. On completion, students should start to integrate their understanding of anatomy, physiology, pathology and professional practice to patient care at a first-year level. This module also aims to equip students with the ability to interact with patients, make accurate diagnoses and sound clinical judgments that informs and validates decisions regarding patient care and treatment. | how to perform a variety of basic medical procedures on patients suffering from illnesses and injuries commonly found in the South African prehospital setting by performing Objective Structured Clinical Examinations (OSCEs) and Clinical Vignettes. Demonstrate effective patient communication and apply the principles of medical ethics and professional behaviour when managing simulated patients. |

| Emergency | EMCTH1 | 100% | 0% | 5 | 24 | The Emergency | professionally interact with patients and assess patients in order to accurately diagnose simple processes, as well as demonstrate the ability to make sound clinical judgments. 4. Demonstrate, by performing patient simulations and clinical vignettes, the ability to provide appropriate care to patients suffering from a variety of injuries and illnesses commonly found in the prehospital setting according to the expected level of care of a first-year student paramedic. 1. Discuss effective |
|-----------------------|--------|--------|------|---|----|--|---|
| Medical Care 1 Theory | 1 | 100 /0 | 0 70 | 3 | 24 | Medical Care I Theory Module deals with foundational theoretical knowledge and principles that underpin the provision of medical care in the acute pre-hospital and emergency department settings. On completion of the module, students should be able to answer reasonably complex questions regarding the principles of pre- hospital emergency care. Students will also start to integrate principles of anatomy, physiology, and professional practice to patient care. | communication and apply the principles of medical ethics, professional behaviour and the legal framework to the context within which emergency care providers operate in scenario based written knowledge tasks. 2. Discuss how to provide emergency medical care to patients suffering from illnesses and injuries commonly found |

| Emergency | EMCPR2 | 100% | 0% | 6 | 12 | The Emergency | in the South African pre- hospital setting, by answering scenario-based questions in integrated assessments. 3. Demonstrate, by answering scenario-based questions in integrated assessments, the ability to make sound clinical judgments in simple cases using knowledge and understanding of human and basic sciences underpinning emergency medical care. 1. Demonstrate how |
|--------------------------|--------|------|----|---|----|--|---|
| Medical Care 2 Practical | 2 | | | | | professional practice to patient care on an advanced life support level. This module also aims to equip students with the ability to confidently and professionally interact with patients, make | to perform a variety of medical procedures on patients suffering from illnesses and injuries commonly found in the South African pre-hospital setting by performing Objective Structured Clinical Examinations (OSCEs) and Clinical Vignettes. 2. Demonstrate effective patient communication and apply the principles of medical ethics and professional behaviour when managing simulated patients. 3. Demonstrate, by performing patient simulations, the ability to confidently and |

| | | | | | | patient care and | professionally |
|--------------|---------|-------|-----|---|----|--|-------------------------------|
| | | | | | | treatment. | interact with |
| | | | | | | | patients and |
| | | | | | | | assess patients in |
| | | | | | | | order to make |
| | | | | | | | accurate |
| | | | | | | | diagnoses and |
| | | | | | | | sound clinical |
| | | | | | | | judgments. |
| | | | | | | | 4. Demonstrate, by |
| | | | | | | | performing patient |
| | | | | | | | simulations and |
| | | | | | | | clinical vignettes, |
| | | | | | | | the ability to |
| | | | | | | | provide appropriate |
| | | | | | | | care to patients |
| | | | | | | | suffering from a |
| | | | | | | | variety of injuries |
| | | | | | | | and illnesses |
| | | | | | | | commonly found in |
| | | | | | | | the pre-hospital |
| | | | | | | | setting according to |
| | | | | | | | the expected level |
| | | | | | | | of care of a |
| | | | | | | | graduate |
| _ | ENACTIO | 4000/ | 00/ | | 00 | | paramedic. |
| Emergency | EMCTH2 | 100% | 0% | 6 | 36 | The Emergency | |
| Medical Care | 2 | | | | | Medical Care II Theory | communication |
| 2 Theory | | | | | | Module deals with | and apply the |
| | | | | | | theoretical knowledge | principles of |
| | | | | | | and principles that underpin the provision | medical ethics, professional |
| | | | | | | of medical care in the | behavior and the |
| | | | | | | acute pre-hospital and | legal framework to |
| | | | | | | emergency | the context within |
| | | | | | | department settings. | which emergency |
| | | | | | | On completion | care practitioners |
| | | | | | | students should be | operate in scenario |
| | | | | | | able to answer | based written |
| | | | | | | complex questions | knowledge tasks. |
| | | | | | | · | 2. Demonstrate, by |
| | | | | | | principles of pre- | answering |
| | | | | | | hospital emergency | scenario-based |
| | | | | | | care. Students should | questions in |
| | | | | | | also demonstrate the | integrated |
| | | | | | | ability to integrate | assessments, the |
| | | | | | | principles of anatomy, | ability to make |
| | | | | | | physiology, and | sound clinical |
| | | | | | | foundations of | judgments in |
| | | | | | | professional practice | simple cases using |
| | | | | | | to patient care. | knowledge and |
| | | | | | | | understanding of |
| | | | | | | | human and basic |
| | | | | | | | sciences |
| | | | | | | | underpinning |
| | | | | | | | emergency |
| | | | | | | | medical care. 3. Discuss, by |
| | 1 | Ì | | i | 1 | | β. Discuss, by |

| | | | | | | | answering simple, as well as complex questions during written knowledge tasks, how to provide emergency medical care to patients suffering from illnesses and injuries commonly found in the South African pre-hospital setting to the level of a graduate paramedic. |
|-----------------------|-------------|------|----|---|----|---|--|
| End User Computing | ENUC01 1 | 100% | 0% | 5 | Ф | Computing Module provides the student with the basic skills necessary to operate a personal computer, prepare, edit, print documents, send and receive emails as well as utilise the internet as a source of information. | 1. Explain concepts and terms associated with Information Technology (IT). 2. Demonstrate the ability in using common functions of a PC and its operating system. 3. Demonstrate the ability to use a word processing application on a computer. 4. Demonstrate the ability to use a presentation application on a computer. 5. Explain concepts and terms associated with using the Internet. 6. Demonstrate the ability to use e-mail software on a computer. 7. Demonstrate the ability to use a spreadsheet application on a computer. 8. Demonstrate the ability to use a database on a |
| Fire Search | FSAR02 | 100% | 0% | 6 | 12 | The Fire Search and | computer. 1.Comprehensively |
| & Rescue | 2 | | | | | Rescue module provides the student with the necessary knowledge and skills to work as part of a | explain and discuss principles and theories that inform Fire Dynamics and Fire Behaviour |

| | | | | | | team at incidents where oxygen deprived environments, smoke filled compartments or heat-filled compartments are present, and there are victims that require search and rescue. | 2. Explain the role and function of Personal Protective Equipment used for Fire Search and Rescue, as well as the selection, inspection and use thereof. 3. Discuss the various fire Search and Rescue Techniques on the Fireground 4. Discuss the role and function of Fire Fighting Equipment, and demonstrate how to select, inspect and correct use of the equipment. |
|--------------------------------------|--------|------|----|---|----|--|---|
| Foundations of Professional Practice | FOPP01 | 100% | 0% | 5 | 10 | understand their role and function within the context of the legal framework within which the paramedic operates. The module delineates issues such as expected conduct, professional behaviour and ethics. This module also covers the correct usage, inspection and, where applicable, the maintenance of vehicles and medical equipment used in the emergency care environment. | structure and function of Emergency Medical Service (EMS) systems in South Africa and explain how the EMS relates to the broader health care structures within the country. 2. Discuss a variety of topics related to medical ethics, professional behaviour and the legal framework within the Emergency Medical Services context. |

| | | 1 | | 1 | 1 | Τ . | |
|--------------|-----------|-------|-----|---|----|----------------------------------|--------------|
| | | | | | | | ound the |
| | | | | | | identify | e and to the |
| | | | | | | potential | |
| | | | | | | | may be |
| | | | | | | | ith during |
| | | | | | | | - |
| | | | | | | duties | se of your |
| | | | | | | | as an |
| | | | | | | emergen | |
| | | | | | | practition | |
| | | | | | | 5. Demonst | |
| | | | | | | ability | to |
| | | | | | | professio | cate and |
| | | | | | | | |
| | | | | | | | he various |
| | | | | | | types | of |
| | | | | | | communi | |
| | | | | | | systems | - |
| | | | | | | be used | |
| | | | | | | emergen | |
| | | | | | | services. | |
| | | | | | | 6. Discuss | useful |
| | | | | | | 9 | skills that |
| | | | | | | | essary if |
| | | | | | | | to provide |
| | | | | | | | ofessional |
| | | | | | | servicewi | thin a |
| | | | | | | specific | |
| | | | | | | organizat | |
| | | | | | | | k (policies |
| | | | | | | | edures) as |
| | | | | | | well as | |
| | | | | | | framewor | |
| | | | | | | 7. Demonst | |
| | | | | | | | inspect, |
| | | | | | | | use, and |
| | | | | | | maintain | the |
| | | | | | | various | |
| | | | | | | | equipment |
| | | | | | | | emergency |
| | | | | | | care | and |
| | | | | | | transport | |
| 11: 1 A : 1 | 111441000 | 40007 | 001 | | 40 | environm | |
| High Angle 1 | HIAN022 | 100% | υ% | 6 | 12 | The High Angle I 1. Discuss | |
| | | | | | | • | nction of |
| | | | | | | student with the equipmer | |
| | | | | | | | pe rescue, |
| | | | | | | | monstrate |
| | | | | | | as a foundation to how to | , |
| | | | | | | • | nd correct |
| | | | | | | S | of the |
| | | | | | | victims that need to be equipmer | |
| | | | | | | accessed at height. 2. Demonst | |
| | | | | | | | construct |
| | | | | | | the vario | |
| | | | | | | | in rope |
| | | | | | | rescue. | |
| | | | | | | 3. Demonst | rate how |
| 294 | | | | | | RULES AND REGULATIONS 202 | |

| | | | | | | | to construct analysis |
|------------|--------|--------|------|---|----|-------------------------|--|
| | | | | | | | to construct anchor points, as well as |
| | | | | | | | |
| | | | | | | | how to rig simply |
| | | | | | | | rope rescue |
| | | | | | | | systems. |
| | | | | | | | 4. Discuss belaying |
| | | | | | | | principles and |
| | | | | | | | demonstrate |
| | | | | | | | various belaying |
| | | | | | | | techniques. |
| | | | | | | | 5. Discuss abseiling |
| | | | | | | | principles and |
| | | | | | | | demonstrate |
| | | | | | | | various abseiling |
| | | | | | | | techniques. |
| | | | | | | | 6. Discuss ascending |
| | | | | | | | principles and |
| | | | | | | | demonstrate |
| | | | | | | | various ascending |
| | | | | | | | techniques. |
| | | | | | | | 7. Discuss Self- |
| | | | | | | | Rescue concepts |
| | | | | | | | within the discipline |
| | | | | | | | of rope rescue. |
| Mental | MHAW01 | 100% | 0% | 5 | 6 | The Mental Health and | 1. Explain the |
| Health and | 1 | | | | | Wellness Module | concept of mental |
| Wellness | | | | | | covers issues of stress | health and link |
| | | | | | | and burnout including | between mental |
| | | | | | | the ways in which the | health and physical |
| | | | | | | emergency care | wellbeing. |
| | | | | | | provider may manage | • |
| | | | | | | their own metal | depression, stress |
| | | | | | | wellbeing and that of | and stress |
| | | | | | | their colleagues within | management. |
| | | | | | | | 3. Explain methods of |
| | | | | | | stressful emergency | conflict |
| | | | | | | care environment. | management. |
| | | | | | | | 4. Explain the |
| | | | | | | | concepts behind |
| | | | | | | | crisis intervention. |
| | | | | | | | 5. Describe human |
| | | | | | | | reactions to and |
| | | | | | | | ways of managing |
| | | | | | | | death and dying. |
| | | | | | | | 6. Discuss substance |
| | | | | | | | abuse and the role |
| | | | | | | | of environment in |
| | | | | | | | mental health |
| | | | | | | | issues. |
| | | | | | | | 7. Explain how to |
| | | | | | | | identify and |
| | | | | | | | manage signs and |
| | | | | | | | symptoms or |
| | | | | | | | stress, burnout and |
| | | | | | | | depression in |
| | | | | | | | oneself and others. |
| Motor | MOVR02 | 100% | 0% | 6 | 10 | The Motor Vehicle | 1. Discuss various |
| Vehicle | 2 | 100 /6 | 0 /0 | | 10 | Rescue module | aspects that |
| | | 1 | i | 1 | Ì | i rescue illoudie | เ |

| Rescue | | | | | | provides the student with the necessary | | influence provider, partner and scene |
|----------------------|-------------|-------|------|---|----|---|----|---|
| | | | | | | knowledge, skills and techniques to extricate entrapped victims involved in land-based | 2 | safety during Vehicle Rescue operations. Discuss vehicle |
| | | | | | | vehicle collisions. The module will focus on | | anatomy and new car technology. |
| | | | | | | the fundamentals of vehicle anatomy and new car technology, collision trauma and | 3. | function, selection, use and maintenance of |
| | | | | | | the management of a vehicle accident. The techniques and | | vehicle rescue tools and equipment. |
| | | | | | | | 4. | Discuss the phased approach to vehicle rescue |
| | | | | | | | 5. | Demonstrate the ability to function |
| | | | | | | | | as part of a team in order to extricate a victim that had |
| | | | | | | | | been entrapped as a result of a land-based vehicle |
| Physical | PHPR01 | 100% | 0% | 5 | 2 | It is important for a | 1 | collision safely and efficiently. Explain the |
| Preparedness 1 and 2 | 1 PHPR02 | 100% | | 6 | 2 | graduate paramedic to be physically capable | ١. | important characteristics and |
| | 2 | | | | | of performing the daily tasks required of them. These tasks are by | | components of a training programme |
| | | | | | | nature physical and require the emergency | 2. | Define the components of |
| | | | | | | level of strength and | 3. | fitness. Describe the effect of attitude and |
| | | | | | | fitness. The purpose of the physical preparedness module | | psychological approach to exercise on |
| | | | | | | to provide students with the opportunity to obtain an acceptable | 4. | performance Demonstrate the baseline physical |
| | | | | | | level of physical fitness and swimming proficiency thus | | fitness and swimming proficiency. |
| | | | | | | supporting them safely engaging in | | pronolericy. |
| | | | | | | emergency care learning experiences and related | | |
| Physiology 1 | PHYS01 | 100% | 0% | 5 | 12 | environments. The module will | 1 | Describe the basic |
| Physiology 1 | 1 | 10070 | U /0 | 3 | 14 | enable students to gain the relevant | 1. | applicable principals of |
| | | | | | | physiological | | chemistry and |

| Primary | PRHC02 | 100% | 0% | 6 | 6 | background applicable to Emergency Medical Care in the following topics: Physiological terminology, Chemistry for Physiology, Cell, Endocrine, Reproductive, Nervous, Cardiovascular, Respiratory, Urinary and Digestive systems, as well as Special senses. Special senses. Special senses. Cellular activities. Describe the structure and the functions of the integumentary system and its associated appendages. Describe the physiological mechanisms involved in movement. Explain the physiological mechanisms of communication, integrationand control of the nervous system. Relate the structures and functions of the endocrine glands and reproductive organs to their functions. Describe the anatomy and physiology of the circulatory system. Describe the physiology of the respiratory system. Relate the structure of the organs and accessory glands of the digestive system to their functions. Relate the structure of the organs and accessory glands of the digestive system to their functions. Describe the physiology of the urinary system. The purpose of 1. Discuss the |
|------------------------|--------|-------|------|---|---|--|
| Primary Health Care | 2 2 | 10076 | U 70 | J | 0 | The purpose of Primary Health Care (PHC) is to introduce the future Emergency Care Provider to the concept of holistic PHC as enshrined within the National Department of Health (NDoH) framework. Primary Health Care is concerned with the health of individuals as well as the greater on the primary Health Care is concerned with the health of individuals as well as the greater on the historical background, context, declarations, foundation and principles that underpin Primary Health Care. 2. Define concepts and discuss various concepts related to understanding |

| community where these paramedics may reside. Primary Health Care addresses all aspects of health within the community. These aspects include healthcare as sepects include healthcare education, health promotion, access to healthcare as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. | |
|--|---|
| paramedics may reside. Primary Health Care addresses all aspects of health within the community. These aspects include healthcare education, health promotion, access to healthcare as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. | |
| reside. Primary Health Care addresses all aspects of health within the community. These aspects include healthcare education, health promotion, access to healthcare as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students theoretical concepts when involved in Work-Integrated Learning, Much of the qualified paramedics work will take place in the community welfare, psychological wellbeing as well as the prevention of ill-health. Provide various definitions, discussions and explanations related to topics on communicable and communicable and sievaliantions, related to topics on communicable and sievaliantions related to topics on communicable and sievaliantions, discussions and explanations related to topics on communicable and sievaliantions, discussions discussions and explanations related to topics on communicable and sievaliantions, discussions and explanations related to topics on communicable and sievaliantions, discussions and explanations related to topics on communicable and sievaliantions, discussions and explanations explanations related to topics on communicable and sievaliantions, discussions and explanations related to topics on community and health intender as well as related to topics on to an explanations related to topics on planning and health information systems 6. Discuss health, human rights and the context of Primary Heath Care as Provide various definitions, discussions and explanations related to topics on community and explanations related to topics on communicable diseases 5. Provide various definitions, discussions explanations related to topics on community and health information s | |
| Care addresses all aspects of health within the community. These aspects include healthcare education, health promotion, access to healthcare as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. | |
| related to topics on prevention of ill-health. These aspects include healthcare education, health promotion, access to healthcare as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. | , , , , , , , , , , , , , , , , , , , |
| within the community. These aspects include healthcare education, health promotion, access to healthcare as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning, Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. wellbeing as well as related to topics on communicable and non-communicable and non-communicable diseases. 5. Provide various definitions, discussions and explanations related to topics on planning and health information systems. 6. Discuss health, human rights and ethics within the context of Primary Heath Care 7. Discuss the various factors that care 4. Provide various definitions, discussions and explanations related to topics on community where these PHC concepts are of utmost importance. | |
| These aspects include healthcare education, health promotion, access to healthcare as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrated theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. | |
| health promotion, access to healthcare as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailling PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. 4. Provide various definitions, discussions and explanations related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Heatth Care 8. Provide various definitions, discussions and explanations related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Heatth Care 8. Provide various definitions, discussions and explanations related to topics on community where these PHC concepts are of utmost importance. | _ _ |
| health promotion, access to healthcare as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. health promotion, adiscussions and explanations related to topics on communicable diseases 5. Provide various definitions, discussions and explanations related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Health care 7. Discuss the various feforitions, discussions and explanations related to topics on community where these PHC concepts are of utmost importance. | |
| access to healthcare as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. discussions and explanations related to topics on planation provide definitions, discussions and explanations related to topics on planations are communicable and non-communicable diseases. Provide various definitions, discussions and explanations related to topics on community and primary Health of the opportunity where these PHC concepts are of utmost importance. | healthcare education, 4. Provide various |
| as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. a well as related to topics on communicable diseases 5. Provide various definitions, discussions and explanations related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Health care 7. Discuss the various factors that influence the future various factors that influence the future definitions, discussions and explanations related to topics on community awareness and Primary Health | health promotion, definitions, |
| issues such as community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. related to topics on communicable diseases 5. Provide various definitions, discussions and explanations related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | access to healthcare discussions and |
| community welfare, psychological wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. communicable and non-communicable diseases 5. Provide various despirations, adiscussions and explanations related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Health care 7. Discuss the various factors that influence the future of primary health care should be definitions, discussions and explanations related to topics on community awareness and Primary Health | as well as related explanations |
| psychological wellbeing as well as the prevention of diseases. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. non-communicable diseases 5. Provide various definitions, discussions and explanations related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Heath Care 7. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and ethics within the context of Primary Heath Care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | issues such as related to topics on |
| wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. diseases Provide various definitions, related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Heath Care 7. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community where these PHC concepts are of utmost importance. | community welfare, communicable and |
| wellbeing as well as the prevention of disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. diseases Provide various definitions, related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Heath Care 7. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community where these PHC concepts are of utmost importance. | psychological non-communicable |
| disease. This subject will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. definitions, discussions and explanations related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Heath Care 7. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | wellbeing as well as diseases |
| will begin by introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. will begin by introducing the rationald explanations related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Heath Care 7. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | the prevention of 5. Provide various |
| introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. explanations related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Heath Care 7. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | disease. This subject definitions, |
| introducing the rationale behind the PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. explanations related to topics on planning and health information systems 6. Discuss health, human rights and ethics within the context of Primary Heath Care 7. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | will begin by discussions and |
| PHC concept and walk the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. Planning and health information systems Discuss health, human rights and ethics within the context of Primary Health Care Discuss the various factors that influence the future of primary health care Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | · · · · · · · · · · · · · · · · · · · |
| the student through various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. The alth information systems 6. Discuss health, human rights and ethics within the context of Primary Health care 7. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | rationale behind the related to topics on |
| various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. various propriates systems 6. Discuss health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health others within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health others within the context | PHC concept and walk planning and |
| various modules detailing PHC implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. various propriates systems 6. Discuss health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health others within the context of Primary Health, human rights and ethics within the context of Primary Health, human rights and ethics within the context of Primary Health others within the context | the student through health information |
| implementation. This subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. Implementation. This subject is vitally important as it will ethics within the context of Primary Heath Care 7. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | various modules systems |
| subject is vitally important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. subject is vitally important as it will context of Primary Health context of Primary Health context of Primary Health context of Primary Health | detailing PHC 6. Discuss health, |
| important as it will allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. important as it will context of Primary Health care 7. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | implementation. This human rights and |
| allow students to appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. Heath Care 7. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | subject is vitally ethics within the |
| appropriately identify and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. T. Discuss the various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | important as it will context of Primary |
| and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. and integrate various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | allow students to Heath Care |
| and integrate theoretical concepts when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. and integrate various factors that influence the future of primary health care 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | appropriately identify 7. Discuss the |
| when involved in Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. when involved in Work-Integrated care by Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | |
| Work-Integrated Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. Work-Integrated Learning. Much of the 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | theoretical concepts influence the future |
| Learning. Much of the qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. 8. Provide various definitions, discussions and explanations related to topics on community awareness and Primary Health | when involved in of primary health |
| qualified paramedics work will take place in the community where these PHC concepts are of utmost importance. qualified paramedics definitions, discussions and explanations related to topics on community awareness and Primary Health | Work-Integrated care |
| work will take place in the community where these PHC concepts are of utmost importance. work will take place in the community where explanations related to topics on community awareness and Primary Health | Learning. Much of the 8. Provide various |
| work will take place in the community where these PHC concepts are of utmost importance. work will take place in the community where explanations related to topics on community awareness and Primary Health | qualified paramedics definitions, |
| these PHC concepts related to topics on are of utmost community importance. awareness and Primary Health | work will take place in discussions and |
| these PHC concepts related to topics on are of utmost community importance. awareness and Primary Health | the community where explanations |
| are of utmost community importance. awareness and Primary Health | |
| importance. awareness and Primary Health | |
| Primary Health | |
| | Primary Health |
| Care education. | Care education. |

ADVANCED CERTIFICATE IN MEDICAL RESCUE (C9AMRQ)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome | |
|---------------------------------|-------------|--------------|--------------|-------|---------|--|---------|--|
| Foundations of Rescue Practices | FRP01Y 1 | 100% | 0% | 6 | 10 | The Foundations of Rescue Practices module focuses on the status, structure, and function of technical Rescue in South Africa, as well | 1. | Demonstrate an understanding of the origin of rescue. Demonstrate the ability to |

| | | | |
|-----|-------------|--|---|
| | | as the applicable legislation, regulation and standards in technical rescue. Also included in this module are topics such as the different phases of rescue, logistics in rescue and incident management systems. Important rescue team principles and the expected conduct, professional behaviour and ethics are also covered. | identify and elaborate on the terminology associated with the various rescue disciplines. 3. Demonstrate an understanding of the legislative framework and common legal terms that may be applicable in the rescue context. 4. Demonstrate an understanding of the sections of legislation that mandate and guide rescue services in South Africa |
| | | | |
| | | | of the characteristics of a professional person. |
| | | | 6. Demonstrate an understanding of the importance of professionaliz ation of rescue |
| | | | in South Africa. 7. Demonstrate an understanding of terms often associated |
| | | | with teamwork and leadership. 8. Demonstrate an |
| | | | understanding of the |
| 299 | | RULES AND REGUL | ATIONS 2024 |

| | 1 | 1 | 1 | 1 | | | |
|------------------------|-------------|------|-------|---|----|--------------------------------|--|
| | | | | | | | characteristics that may either contribute or hinder effective teamwork and leadership in the rescue context. 9. Demonstrate an understanding of the generic roles and responsibilities of a rescue team. 10. Demonstrate an understanding of the cyclical nature of the phases and related activities involved in the management of rescue incidents. 11. Demonstrate an understanding of the different incident management systems in South Africa and how the diversity of these systems may impact the management of incidents. 12. Demonstrate an understanding of the different incident for incidents fincidents f |
| | | 1000 | 0.5.4 | | 4- | | System. |
| Rescue Technologies | RTE01Y 1 | 100% | 0% | 6 | 15 | The Rescue Technologies and | Demonstrate an |
| and | ' | | | | | Equipment module | understanding |
| 200 | | | | | | PLILES AND PECLI | |

| Equipment | | focuses | | of some of the |
|-------------|--|------------------------------|-------|--------------------------------|
| Equipinient | | identification, | | considerations |
| | | inspection, | | when |
| | | preparation, | | identifying and |
| | | operation, | | selecting |
| | | maintenance and | | rescue |
| | | storage of | | equipment. |
| | | equipment, vehicles | 2. | |
| | | and other resources | | the ability to |
| | | required to provide | | identify |
| | | safe and effective rescue | | applicable legislation, |
| | | services. | | standards, |
| | | 001 11000. | | certifications, |
| | | | | specifications |
| | | | | and |
| | | | | performance |
| | | | | criteria of |
| | | | | rescue |
| | | | _ | equipment. |
| | | | 3. | Demonstrate a |
| | | | | basic understanding |
| | | | | of factors that |
| | | | | should be |
| | | | | considered |
| | | | | when selecting |
| | | | | personal |
| | | | | protective |
| | | | _ | equipment. |
| | | | 4. | |
| | | | | an |
| | | | | understanding of the different |
| | | | | types of |
| | | | | inspections |
| | | | | and their |
| | | | | importance |
| | | | | when |
| | | | | inspecting |
| | | | | rescue |
| | | | 5 | equipment. Demonstrate |
| | | | ວ. | the ability to |
| | | | | carry out an |
| | | | | inspection of |
| | | | | rescue |
| | | | | equipment |
| | | | | using the |
| | | | | manufacturer' |
| | | | | S |
| | | | | recommendati |
| | | | 6. | ons. Demonstrate |
| | | | Ο. | an |
| | | | | understanding |
| | | | | of the simple |
| | | | | mechanics, |
| 301 | | RULES AND REGUL | .ATIO | NS 2024 |

| | | | | | | | | functioning and operation of an internal |
|---|--------|------|----|---|---|---|------------------------------------|---|
| | | | | | | | 8. | combustion engine Demonstrate an understanding of the simple mechanics, functioning and operation of a hydraulic system. Demonstrate an understanding of the simple mechanics, functioning and operation of a pneumatic system. Demonstrate an understanding of the principles, components, supply and operation of simple temporary electrical supply systems. |
| Communicati ons in the Rescue Environment | CRE01Y | 100% | 0% | 6 | 5 | The Communications in the Rescue Environment module provides the student with the skills and knowledge to identify, establish and operate wireless, remote, hard- wired, direct, or two-way Communication systems used for. | 2. 3. | Describe the fundamental principles and concepts that underpin human communication. Identify and describe different types of communication and differences of approach. Demonstrate the knowledge and insights requiredto make use of a radio communication system in |

| medical rescue contexts. 4. Demonstrate the knowledge and insights required to make use of cellular and satellite communication in medical rescue contexts. 5. Demonstrate the knowledge and insights required to make use of a computer-based web application / social media platforms in medical rescue contexts. 6. Demonstrate the knowledge and insights required to make use of a computer-based web application / social media platforms in medical rescue contexts. 7. Demonstrate the knowledge, skills and insights required to make use of alternative Approaches to Communication in medical rescue contexts. 7. Demonstrate the application of knowledge, skills and insights required to communicate professional and effectively during medical rescue training and operational contexts. High Angle HAR01Y 100% 0% 7 15 The High Angle Rescue module focuses on the design, construction, application and analysis of rope rescue systems used to access, the phases and related analysis of rope rescue systems used to access, minvolved in the phases and related activities involved in the phases and related activities involved in the phases and related to access. | | | | | I | | | modical reserve |
|---|--|------|----|---|----|--|----|--|
| medical rescue contexts. 5. Demonstrate the knowledge and insights required to make use of a computer-based web application / social medial platforms in medical rescue contexts. 6. Demonstrate the knowledge and insights required to make use of alternative Approaches to Communication in medical rescue contexts. 7. Demonstrate the knowledge and insights required to make use of alternative Approaches to Communication in medical rescue contexts. 7. Demonstrate the application of knowledge, skills and insights required to communicate the place of the communicate contexts. 8. Demonstrate the professional and effectively during medical rescue training and operational contexts. 9. The High Angle Rescue module focuses on the design, construction, application and analysis of rope rescue systems used to access, involved in the | | | | | | | 4. | Demonstrate the knowledge and insights required to make use of cellular and |
| application / social media platforms in medical rescue contexts. 6. Demonstrate the knowledge and insights required to make use of alternative Approaches to Communication in medical rescue contexts. 7. Demonstrate the application of knowledge, skills and insights required to communicate professional and effectively during medical rescue training and operational contexts. High Angle Rescue 1 High Angle Rescue module focuses on the design, construction, application and analysis of rope rescue systems used to access, the application in medical rescue training and operational contexts. The High Angle Rescue module focuses on the design, construction, application and related activities involved in the | | | | | | | 5. | communication in medical rescue contexts. Demonstrate the knowledge and insights required to make use of a computer- |
| Communication in medical rescue contexts. 7. Demonstrate the application of knowledge, skills and insights required to communicate professional and effectively during medical rescue training and operational contexts. High Angle Rescue 1 High Angle Rescue 1 High Angle Rescue 1 High Angle Rescue 1 High Angle Rescue module focuses on the design, construction, application and analysis of rope rescue systems used to access, involved in the | | | | | | | 6. | application / social media platforms in medical rescue contexts. Demonstrate the knowledge and insights required to make use of alternative |
| High Angle Rescue 1 100% 7 15 The High Angle Rescue module focuses on the design, construction, application and analysis of rope rescue systems used to access, and operational contexts. 1. Describe and discuss the cyclical nature of the phases and related analysis of rope rescue systems involved in the contexts. | | | | | | | 7. | Communication in medical rescue contexts. Demonstrate the application of knowledge, skills and insights required to communicate professional and effectively during medical |
| rescue systems involved in used to access, the | | 100% | 0% | 7 | 15 | Rescue module focuses on the design, construction, application and | 1. | and operational contexts. Describe and discuss the cyclical nature of the phases and related |
| | | | | | | rescue systems used to access, | | involved in the |

| | | , , , , , , , , , , , , , , , , , , , | T |
|-----|-------------|--|--|
| | | package, treat and extricate victims in a range of contexts including, urban, rural, industrial, wilderness and aquatic settings. Students completing this module should be able to demonstrate mastery of the theoretical principles, practical skills and related insights required to safely and effectively participate as a member of a rescue team in steep slope and high angle rescue contexts both in urban, rural and wilderness settings. | management of medical rescue incidents in a high angle rescue context. 2. Identify and describe the concept of backup and redundancy and those components of a rope rescue system that can or should be backed up. 3. Build and operate redundant safety backup systems. 4. Correctly rig rope rescue systems to safley and efficiently access patients in a variety of rope rescue contexts 5. Safely and efficiently rig and operate systems for ascending and descending a rope. 6. Critically consider immediate and ongoing patient care considerations against the rescue environment and context you find yourself to make aperopriate decisions to the rescue and rope. |
| 204 | | DIN EQ AND DEGU | relating to the |
| 304 | | RULES AND REGU | LATIONS 2024 |

| | | | | | selection of |
|---|--|---|--|-----|---|
| | | | | | stretcher and |
| | | | | | related |
| | | | | | packaging |
| | | | | | |
| | | | | 7 | techniques. |
| | | | | 7. | Engage with |
| | | | | | the patient and |
| | | | | | bystanders in |
| | | | | | a professional |
| | | | | | manner that |
| | | | | | enhances and |
| | | | | | addresses |
| | | | | | |
| | | | | | issues of |
| | | | | | patient comfort |
| | | | | | during a rope |
| | | | | | rescue |
| | | | | | operation. |
| | | | | 8. | Safely and |
| | | | | | efficiently |
| | | | | | conduct |
| | | | | | patient |
| | | | | | packaging and |
| | | | | | |
| | | | | | stretcher |
| | | | | | rigging |
| | | | | | activities using |
| | | | | | different |
| | | | | | stretchers in a |
| | | | | | variety of rope |
| | | | | | rescue |
| | | | | | contexts. |
| | | | | 9. | Competently |
| | | | | 0. | and |
| | | | | | confidently |
| | | | | | function as a |
| | | | | | |
| | | | | | stretcher |
| | | | | | attendant / |
| | | | | | "jockey". |
| | | | | 10. | Explain the |
| | | | | | principles and |
| | | | | | physics behind |
| | | | | | the generation |
| | | | | | of mechanical |
| | | | | | advantage in |
| | | | | | rope rescue |
| | | | | | contexts. |
| | | | | 44 | |
| | | | | 11. | Competently |
| | | | | | and |
| | | | | | confidently |
| | | | | | build and |
| | | | | | operate |
| İ | | 1 | | | mechanical |
| | | | | | mediameai |
| | | | | | |
| | | | | | advantage |
| | | | | | advantage system in rope |
| | | | | | advantage system in rope rescue |
| | | | | 10 | advantage system in rope rescue contexts. |
| | | | | 12. | advantage system in rope rescue contexts. Describe the |
| | | | | 12. | advantage system in rope rescue contexts. Describe the typical |
| | | | | 12. | advantage system in rope rescue contexts. Describe the |

| | | | | | |
|-----|--|------|-----------------|-------|------------------------|
| | | | | | a high angle |
| | | | | | rescue team |
| | | | | | and the |
| | | | | | generic |
| | | | | | sequence of |
| | | | | | activities and |
| | | | | | events |
| | | | | | associated |
| | | | | | with the |
| | | | | | management |
| | | | | | of a steep |
| | | | | | slope and high |
| | | | | | angle rope |
| | | | | | rescue |
| | | | | | incident. |
| | | | | 13. | Effectively |
| | | | | | lead a team |
| | | | | | and / or |
| | | | | | participate as |
| | | | | | a team |
| | | | | | member in the |
| | | | | | management |
| | | | | | of steep slope |
| | | | | | and high angle |
| | | | | | rescue incidents. |
| | | | | 11 | Describe the |
| | | | | 14. | |
| | | | | | potential applications |
| | | | | | for suspension |
| | | | | | systems in |
| | | | | | medical |
| | | | | | rescue |
| | | | | | contexts. |
| | | | | 15 | Describe |
| | | | | 10. | considerations |
| | | | | | that should be |
| | | | | | considered |
| | | | | | when selecting |
| | | | | | anchor points |
| | | | | | for a |
| | | | | | sustention |
| | | | | | system and |
| | | | | | the effect that |
| | | | | | tensioning and |
| | | | | | loading the |
| | | | | | high wire has |
| | | | | | on the anchor |
| | | | | | points. |
| | | | | 16. | Work as a |
| | | | | | member of a |
| | | | | | team to |
| | | | | | construct and |
| | | | | | operate a |
| | | | | | simple high |
| | | | | | wire and a |
| | | | | | compound |
| | | | | | suspension |
| 306 | | | RULES AND REGUL | ATION | S 2024 |

| Urban | URO02Y | 100% | 0% | 6 | 50 | The <i>Urban Rescue</i> | 17. Explain the concepts, methods and approaches linked to lead climbing and how a cliff face may be ascended with a lead climber and a belayer. 18. Identify and make use of devices for the anchoring of systems in wilderness settings. 19. Confidently and competently participate in the high angle rescue operations in wilderness settings. 1. Demonstrate |
|-------------------|--------|-------|------|---|----|---|--|
| Rescue Operations | 2 | 100 % | 0 76 | | 30 | Operations module provides the student with the cognitive ability, technical skills and capabilities necessary for the search, access, packaging and extraction of a victim from a structural, industrial, construction, confined space, domestic or transport related incident | 1. Demonstrate the ability to identify rescue incidents that may occur within built structures and infrastructure, construction, industrial, transport and domestic related incidents within an urban setting. 2. Demonstrate an understanding and the ability to analyse common hazards associated with built structures and infrastructure, construction, industrial, transport and |

| | | | | 1 | | | | |
|------------|--------|------|----|---|----|-------------------------|----|-----------------------------|
| | | | | | | | | domestic |
| | | | | | | | | related incidents |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | _ | urban setting. |
| | | | | | | | 3. | Demonstrate |
| | | | | | | | | the ability to |
| | | | | | | | | safely, |
| | | | | | | | | effectively, |
| | | | | | | | | efficiently and |
| | | | | | | | | correctly |
| | | | | | | | | mitigate and |
| | | | | | | | | control risks |
| | | | | | | | | associated |
| | | | | | | | | with hazards |
| | | | | | | | | identified at |
| | | | | | | | | built structures |
| | | | | | | | | and |
| | | | | | | | | infrastructure, |
| | | | | | | | | construction, |
| | | | | | | | | industrial, |
| | | | | | | | | transport and |
| | | | | | | | | domestic |
| | | | | | | | | related |
| | | | | | | | | incidents |
| | | | | | | | | within an |
| | | | | | | | 4 | urban setting. |
| | | | | | | | 4. | |
| | | | | | | | | the ability |
| | | | | | | | | search for and |
| | | | | | | | | safely access |
| | | | | | | | | a victim/s at a |
| | | | | | | | | variety of |
| | | | | | | | | urban-related |
| | | | | | | | | incidents using |
| | | | | | | | | technical |
| | | | | | | | | rescue |
| | | | | | | | | equipment and |
| | | | | | | | 5. | techniques. Demonstrate |
| | | | | | | | 5. | |
| | | | | | | | | the ability to |
| | | | | | | | | assess, treat, package, and |
| | | | | | | | | extract a |
| | | | | | | | | victim/s from a |
| | | | | | | | | state of |
| | | | | | | | | entrapment at |
| | | | | | | | | a variety of |
| | | | | | | | | urban-related |
| | | | | | | | | incidents. |
| Rural and | RWR02Y | 100% | 0% | 6 | 35 | The Rural and | 1. | Identify and |
| Wilderness | 2 | | | | | Wilderness Rescue | - | describe |
| Rescue | | | | | | Operations module | | different types |
| Operations | | | | | | provides the student | | of maps |
| | | | | | | with the knowledge | | including their |
| | | | | | | skills and insights | | construction, |
| | | | | | | reuired for safe and | | purpose and |
| | | | | | | effective participation | | value for |
| 200 | | | | | | | | |

| - | T | | |
|----------|---|----------------------|-----------------------------|
| | | in search and rescue | wilderness |
| | | operations in | search and |
| | | wilderness, aquatic | rescue |
| | | and aviation rescue | activities. |
| | | contexts. | Correctly |
| | | | calculate and |
| | | | convert |
| | | | measured |
| | | | distances and |
| | | | predicted |
| | | | travel times on |
| | | | a map to |
| | | | corresponding |
| | | | times and |
| | | | distances in |
| | | | the real world. |
| | | | 3. Make use of |
| | | | direction and |
| | | | magnetic |
| | | | bearings |
| | | | together with a |
| | | | system of |
| | | | longitude and |
| | | | latitude |
| | | | coordinates to |
| | | | accurately |
| | | | plot, |
| | | | rationalize and |
| | | | report position |
| | | | and direction |
| | | | of travel. |
| | | | 4. Discuss the |
| | | | theory of |
| | | | search |
| | | | management |
| | | | and the |
| | | | associated |
| | | | underlying |
| | | | principles. |
| | | | 5. Use theories |
| | | | and principles |
| | | | of search |
| | | | management |
| | | | to inform |
| | | | logical |
| | | | decision |
| | | | making in the |
| | | | management |
| | | | of a simulated |
| | | | case (desktop) |
| | | | study or a |
| | | | search and |
| | | | rescue |
| | | | incident in a |
| | | | real-world |
| | | | setting. |
| | | | 6. Appreciate the |
| | | | fundamental |
| 309 | | RULES AND REGUL | ATIONS 2024 |

| between the delivery of pre-hospital emergency care in urban settings and emergency care practiced in austere remote wilderness settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain wilderness system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and and and description of a drone and the historical development. | | | | |
|---|-----|------|-----------------|------------------|
| delivery of prehospital emergency care in urban settings and emergency care practiced in austere remote wilderness settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS systems. 11. Make use of a GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a description of a done and the historical development. | | | | differences |
| hospital emergency care in urban settings and emergency care practiced in austere remote wilderness settings. 7. Provide contextually relevant emergency care for common "complaints' conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition an description of a drone and the historical development. | | | | between the |
| emergency care in urban settings and emergency care practiced in austere remote wilderness settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | delivery of pre- |
| emergency care in urban settings and emergency care practiced in austere remote wilderness settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | hospital |
| care in urban settings and emergency care practiced in austere remote wilderness settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | emergency |
| emergency care practiced in austere remote wildemess settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wildemess settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| emergency care practiced in austere remote wildemess settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wildemess settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | settings and |
| care practiced in austere remote wilderness settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| in austere remote wilderness settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| remote wilderness settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| wilderness settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| settings. 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| 7. Provide contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system and its historical development. 10. Discuss the different reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development development. | | | | |
| contextually relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| relevant emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development. | | | | |
| emergency care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development. | | | | |
| care for common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| common "complaints" conditions encountered in remote wilderness settings. 8. Describe the core core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| "complaints" conditions encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development. | | | | |
| conditions encountered in remote wilderness settlings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| encountered in remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| remote wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| wilderness settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| settings. 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| 8. Describe the core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| core components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| components of the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| the global positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| positioning system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| system and its historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| historical development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| development. 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| 9. Explain how the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| the different components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| components of the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| the GPS system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| system function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| function to allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| allow for accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| accurate reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| reporting of position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| position. 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| 10. Discuss the different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | . 0 |
| different applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| applications for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| for GPS systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| systems. 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | applications |
| 11. Make use of a GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| GPS receiver to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| to navigate. 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| 12. Provide a definition and description of a drone and the historical development of drone | | | | |
| definition and description of a drone and the historical development of drone | | | | |
| description of a drone and the historical development of drone | | | | |
| a drone and the historical development of drone | | | | |
| the historical development of drone | | | | |
| development of drone | | | | a drone and |
| of drone | | | | the historical |
| of drone | | | | development |
| RULES AND REGULATIONS 2024 | | | | of drone |
| | 310 | | RULES AND REGUL | ATIONS 2024 |

| | | | 1 |
|-----|------|-----------------|-----------------------------------|
| | | | technologies. |
| | | | 13. Discuss the |
| | | | use of drones |
| | | | in wilderness |
| | | | search and |
| | | | rescue |
| | | | operations. |
| | | | 14. Describe the |
| | | | basic |
| | | | components |
| | | | and operation |
| | | | of a typical |
| | | | done that is |
| | | | suitable for use in |
| | | | use in wilderness |
| | | | search and |
| | | | rescue |
| | | | settings. |
| | | | 15. Provide a |
| | | | basic outline of |
| | | | the |
| | | | South African |
| | | | legislation |
| | | | governing the |
| | | | use of drones |
| | | | within the |
| | | | republic. |
| | | | 16. Conduct |
| | | | operational |
| | | | readiness |
| | | | inspections |
| | | | and prepare |
| | | | an all-terrain |
| | | | vehicle for |
| | | | deployment. |
| | | | 17. Apply an |
| | | | understanding |
| | | | of the different |
| | | | modes of |
| | | | operation to |
| | | | select and |
| | | | activate |
| | | | appropriate |
| | | | drive modes |
| | | | for specific off- |
| | | | road contexts, |
| | | | terrains and surfaces. |
| | | | |
| | | | , |
| | | | effectively load and unload an |
| | | | ATV onto a |
| | | | trailer. |
| | | | 19. Demonstrate |
| | | | the ability to |
| | | | safley operate |
| | | | an all-terrain / |
| | | | |
| 311 | | RULES AND REGUL | ATIONS 2024 |

| | | | 4x4 vehicle in |
|-----|----------|-----------------|--------------------------------|
| | | | an "off road" |
| | | | context. |
| | | | 20. Describe the |
| | | | key |
| | | | requirements |
| | | | for survival in |
| | | | austere |
| | | | wilderness |
| | | | settings. |
| | | | 21. Function |
| | | | safely and |
| | | | effectively in |
| | | | remote |
| | | | wilderness |
| | | | |
| | | | settings. |
| | | | 22. Discuss the |
| | | | common |
| | | | causes for |
| | | | drowning. |
| | | | 23. Describe the |
| | | | dangers |
| | | | associated |
| | | | with operating |
| | | | in aquatic |
| | | | rescue |
| | | | contexts. |
| | | | 24. Demonstrate |
| | | | swimming and |
| | | | life saving |
| | | | skills and |
| | | | technique's |
| | | | suitable for |
| | | | safe and |
| | | | efficient |
| | | | participation in |
| | | | aquatic rescue |
| | | | contexts. |
| | | | 25. Describe the |
| | | | pathophysiolo |
| | | | |
| | | | 3, |
| | | | decompressio n sickness and |
| | | | shallow water |
| | | | |
| | | | blackout. |
| | | | 26. Describe the |
| | | | dangers |
| | | | associated |
| | | | with dams, |
| | | | rivers and swift |
| | | | water rescue |
| | | | operations. |
| | | | 27. Demonstrate |
| | | | techniques for |
| | | | moving and |
| | | | navigating on |
| | | | inland water |
| | | | ways and |
| | <u> </u> | I | - |
| 312 | | RULES AND REGUL | ATIONS 2024 |

| | T | | | |
|-----|----------|----------|------------------|--------------------|
| | | | | rivers. |
| | | | | 28. Demonstrate |
| | | | | and describe |
| | | | | methods of |
| | | | | rescuing |
| | | | | patients from |
| | | | | swift water |
| | | | | rescue |
| | | | | contexts. |
| | | | | 29. Identify and |
| | | | | describe |
| | | | | |
| | | | | generic aircraft |
| | | | | anatomy, flight |
| | | | | controls and |
| | | | | related |
| | | | | surfaces. |
| | | | | 30. Describe the |
| | | | | physical |
| | | | | principles that |
| | | | | are related to |
| | | | | generation of |
| | | | | lift and |
| | | | | controlled |
| | | | | flight. |
| | | | | 31. Describe the |
| | | | | historical |
| | | | | development |
| | | | | of rotor winged |
| | | | | aircraft and the |
| | | | | |
| | | | | contemporary |
| | | | | role they now |
| | | | | play in search |
| | | | | and rescue |
| | | | | contexts. |
| | | | | 32. Appreciate the |
| | | | | dangers and |
| | | | | vulnerabilities |
| | | | | associated |
| | | | | with the use of |
| | | | | rotor winged |
| | | | | aircraft in |
| | | | | search and |
| | | | | rescue |
| | | | | contexts. |
| | | | | 33. Safely and |
| | | | | efficiently |
| | | | | |
| | | | | move towards, |
| | | | | enter, exit and |
| | | | | move away |
| | | | | from a rotor |
| | | | | winded |
| | | | | aircraft. |
| | | | | 34. Describe and |
| | | | | demonstrate |
| | | | | the principles |
| | | | | and processes |
| | | | | associated |
| | | | | with lowering a |
| | <u>1</u> | <u> </u> | | |
| 313 | | | RULES AND REGULA | ATIONS 2024 |

| | | | | | | | | payload or pax |
|-------------|--------|-------|------|----|----|-------------------------------------|-----|-------------------------------|
| | | | | | | | | from a rotor winged |
| | | | | | | | | aircraft. |
| | | | | | | | 35. | Describe and demonstrate |
| | | | | | | | | the principles |
| | | | | | | | | and processes |
| | | | | | | | | associated with hoisting a |
| | | | | | | | | payload or pax |
| | | | | | | | | from the |
| | | | | | | | | ground into a rotor winged |
| | | | | | | | | aircraft. |
| | | | | | | | 36. | Identify the |
| | | | | | | | | characteristics of safe and |
| | | | | | | | | unsafe landing |
| | | | | | | | 27 | zones. |
| | | | | | | | 37. | Demonstrate and describe |
| | | | | | | | | the correct |
| | | | | | | | | way of inspecting a |
| | | | | | | | | watercraft |
| | | | | | | | | prior to |
| | | | | | | | 38 | deployment. Safely and |
| | | | | | | | 00. | efficiently |
| | | | | | | | | make use of a watercraft for |
| | | | | | | | | search, resuce |
| | | | | | | | | and |
| | | | | | | | | transportation of patients in |
| | | | | | | | | inland water |
| | | | | | | | | rescue |
| Physical | PHP01 | 100% | 0% | 55 | 23 | The <i>Physical</i> | 1. | contexts. Demonstrate |
| Preparednes | Y1 | 10070 | 0 70 | 33 | 23 | Preparedness | ١. | swimming |
| s | PHP02Y | | | | | modules focuses on | | proficiencies |
| | 2 | | | | | operational and functional physical | | suitable for safe and |
| | | | | | | preparedness, | | effective |
| | | | | | | incorporating | | engagement in |
| | | | | | | components of cardiovascular and | | medical resuce training |
| | | | | | | muscle endurance, | | activities |
| | | | | | | strength, flexibility, task- | | focusing on aquatic rescue |
| | | | | | | orientated swimming | | training and |
| | | | | | | proficiency and diet. | | operational |
| | | | | | | | 2. | contexts. Demonstrate |
| | | | | | | | ے. | cardiovascular |
| | | | | | | | | fitness and |
| | | | | | | | | general health |

| Basic Sciences: Physics | PHY1DA 1 PHY1D1 B | 100% | 0% | 5 | 6 | The Basic Sciences: Physics module focuses on the definitions, methods | and wellness suitable for safe and effective engagement in medical rescue training and operational contexts. 3. Demonstrate appropriate strength of grip, power to weight ratio and endurance suitable for safe and efficient engagement in medical rescue training and operational contexts. 1. Use scientific notation and the decimal system to |
|-------------------------------|----------------------------|------|----|---|---|--|--|
| | D | | | | | and principles of concepts that are applicable to rescue, such as: levers, mechanics, mechanical advantage, hydraulics, forces, strength of components, vectors, pressure and friction | manipulate SI- units. 2. Apply knowledge of vector theory in mechanical problems. 3. Formulate and explain the laws and definitions in kinetics and dynamics and apply these to solving problems in those fields. 4. State the laws and define the physical quantities used in hydrostatics and apply these to solving problems in stationary |

| | T | | | 1 | | | | fluido |
|---------------------------------|----------------------------|------|----|---|---|---|--|--|
| | | | | | | | Exp pro | fluids. blain the cesses whereby at is transferred |
| Basic Sciences: Chemistry | CET1DA 1 CET1DB 1 | 100% | 0% | 5 | 6 | The Basic Sciences: Chemistry module's purpose is to develop the applicable knowledge and understanding of chemical principles and techniques of chemistry required for rescue. | 3. 4. 7. | Describe matter using macroscopic and microscopic properties. List the different classes of elements in the periodic table and describe how they are likely to react. Explain the difference between atoms and elements, molecules and compounds. Perform basic chemical calculations using the formulas of compounds and balanced equations. Predict how gases behave under certain conditions. Classify different types of solutions, explain their properties and calculate their acidity. Identify the physical properties of the most common organic and inorganic compounds and predict how they will react. Explain the |

| | | different types of radiation; know their medical applications and the dangers associated with exposure |
|--|--|--|
| | | to each type. |

BACHELOR OF HEALTH SCIENCES IN EMERGENCY MEDICAL CARE (B9E01Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|-----------|-------------|--------------|--------------|-------|---------|---|---|
| Anatomy 1 | ANT01Y 1 | 100% | 0% | 5 | 12 | Anatomy provides foundational knowledge for pathology and clinically related subjects. The content included an introduction to anatomy and physiology, chemistry for anatomy and physiology, the cell, basic histology, the integumentary system, bone and joints, muscle, the nervous system and special senses, the endocrine system, blood and the cardiovascular system, and the respiratory, digestive, urinary and reproductive systems. This module aided in the development of a student competent in the clinical knowledge and skills required to provide specialised emergency medical care and rescue services to all sectors of the community. | Throughout completion of this module, the following learning outcomes were achieved: • Give a detailed explanation of all the anatomical positions. • Give complete definitions and descriptions of all gross anatomical, osteological and histological terms related to anatomy. • Described and identify all body planes and body cavities. • Define body movements using correct anatomical terms. • Name two divisions of the skeletal system. • List the individual bones forming each division of the skeletal system. • Classify all the bones of the skeletal system. • List the characteristics and functions of epithelial tissue. |

| | | , | 1 | | | |
|-----|---|---|---|-------------|-----|---------------------------|
| | | | | | • | Describe the |
| | | | | | | intercellular |
| | | | | | | connections of |
| | | | | | | epithelial tissue. |
| | | | | | • | Identify, describe and |
| | | | | | | name the location of |
| | | | | | | the different types of |
| | | | | | | epithelia. |
| | | | | | | · = · |
| | | | | | • | Relate the structure of |
| | | | | | | the different types of |
| | | | | | | epithelia to the |
| | | | | | | function they perform. |
| | | | | | • | Describe glandular |
| | | | | | | epithelium with |
| | | | | | | regards to structure, |
| | | | | | | function and location. |
| | | | | | • | Describe the |
| | | | | | | classification of |
| | | | | | | connective tissue. |
| | | | | | • | List and give the |
| | | | | | | functions of the |
| | | | | | | different types of cells, |
| | | | | | | fibres and ground |
| | | | | | | substance found in |
| | | | | | | connective tissue. |
| | | | | | • | For each type of |
| | | | | | • | connective tissue: |
| | | | | | | identify it, describe its |
| | | | | | | structure, describe |
| | | | | | | where it is found in the |
| | | | | | | |
| | | | | | | body and relate its |
| | | | | | | structure to its |
| | | | | | | function in that |
| | | | | | | location. |
| | | | | | • | Explain how epithelial |
| | | | | | | and connective |
| | | | | | | tissues combine to |
| | | | | | | form four different |
| | | | | | | types of membranes |
| | | | | | | and specify the |
| | | | | | | functions of each. |
| | | | | | • | Describe how |
| | | | | | | connective tissue |
| | | | | | | establishes the |
| | | | | | | framework of the |
| | | | | | | body. |
| | | | | | • | For each type of |
| | | | | | - | |
| | | | | | | muscle tissue: identify |
| | | | | | | it, describe its |
| | | | | | | structure, describe |
| | | | | | | where it is found in the |
| | | | | | | body and relate its |
| | | | | | | structure to its |
| | | | | | | function in that |
| | | | | | | location. |
| | | | | | • | Describe the |
| | | | | | | connective tissue |
| | 1 | | | l | | |
| 318 | | | | RULES AND R | FGL | II ATIONS 2024 |

| | | | |
|-----|--|-------------|--|
| | | | sheaths related to |
| | | | muscle. |
| | | | • Describe the |
| | | | relationship between |
| | | | muscle fascicles, |
| | | | muscle fibres, |
| | | | myofibrils, |
| | | | myofilaments and the |
| | | | banding pattern of |
| | | | skeletal muscle. |
| | | | D 11 (1 |
| | | | Describe the anatomical |
| | | | |
| | | | components of the |
| | | | nervous system. |
| | | | Sketch and label the |
| | | | structure of a typical |
| | | | neuron, describe the |
| | | | functions of each |
| | | | component and |
| | | | classify neurons on |
| | | | the basis of their |
| | | | structure, function and |
| | | | location. |
| | | | Differentiate between |
| | | | a nuclei and a |
| | | | ganglion. |
| | | | Describe the anatomy |
| | | | of a synapse. |
| | | | Describe the locations |
| | | | and functions of the |
| | | | |
| | | | various types of |
| | | | neuroglia. |
| | | | Classify the joints |
| | | | according to their |
| | | | structure and give |
| | | | examples for each |
| | | | class. |
| | | | Classify the synovial |
| | | | joints according to |
| | | | their structure. |
| | | | List the characteristics |
| | | | of synovial joints. |
| | | | Name the structures |
| | | | stabilizing the |
| | | | synovial joints. |
| | | | - |
| | | | |
| | | | movements taking |
| | | | place at each class of |
| | | | synovial joints. |
| | | | Classify all bones of |
| | | | the axial skeleton. |
| | | | • Identify bones of the |
| | | | axial skeleton. |
| | | | • Give the correct |
| | | | anatomical alignment |
| | | | of all axial skeleton |
| | | | bones. |
| | | | |
| 319 | | RULES AND R | EGULATIONS 2024 |

| | T T | 1 | |
|--|-----|---|---|
| | | | Label the structures of |
| | | | the bones of the axial |
| | | | skeleton. |
| | | | • Label superficial |
| | | | muscles of the axial |
| | | | skeleton. |
| | | | |
| | | | Classify all bones of |
| | | | the appendicular |
| | | | skeleton. |
| | | | • Identify bones of the |
| | | | appendicular |
| | | | skeleton. |
| | | | |
| | | | Give the correct |
| | | | anatomical alignment |
| | | | of all appendicular |
| | | | skeleton bones. |
| | | | Label the structures of |
| | | | the bones of |
| | | | appendicular |
| | | | |
| | | | skeleton. |
| | | | Describe the following |
| | | | terms: |
| | | | Origin |
| | | | Insertion |
| | | | Action |
| | | | > Agonist |
| | | | > Antagonist |
| | | | |
| | | | Synergist |
| | | | Name the skeletal |
| | | | muscles according to |
| | | | the following criteria: |
| | | | ➤ Fascicle |
| | | | organization |
| | | | ➤ Location |
| | | | |
| | | | Relative position |
| | | | Structure, size |
| | | | and shape |
| | | | Origin and |
| | | | insertion |
| | | | Action |
| | | | Identify the following |
| | | | muscles of the axial |
| | | | |
| | | | skeleton: |
| | | | 1.Head and Neck |
| | | | i.Muscles of Facial |
| | | | expression |
| | | | ➢ Orbicularis Oris |
| | | | Epicranius |
| | | | Orbicularis Oculi |
| | | | |
| | | | Levator Palpebrae |
| | | | Superioris |
| | | | Platysma. |
| | | | ii.Extrinsic Eye Muscles |
| | | | ➤ Recti |
| | | | Obliques |
| | | | iii.Muscles of |
| | | | Mastication |
| | | | เขเสรแบสแบบ |
| | | | |

| | | | <u> </u> | |
|----------|----------|-----|----------|--|
| | | | | Masseter |
| | | | | Temporalis |
| | | | | Pterygoids. |
| | | | | iv.Muscles of the |
| | | | | Tongue |
| | | | | v. Muscles of the |
| | | | | |
| | | | | Pharynx |
| | | | | vi. Muscles of the |
| | | | | Larynx |
| | | | | vii. Anterior Neck |
| | | | | Muscles |
| | | | | Sternocleidomastoid |
| | | | | Mylohyoid and |
| | | | | digastric. 2.Muscles of the |
| | | | | Vertebral Column |
| | | | | Trapezius |
| | | | | Latissmus dorsi |
| | | | | Erector Spinae. |
| | | | | 3.Muscles of the Trunk |
| | | | | Intercostal muscles |
| | | | | (Extermal, |
| | | | | Internal, |
| | | | | |
| | | | | Innermost) |
| | | | | Diaphragm |
| | | | | Anterior Abdominal |
| | | | | muscles (Rectus |
| | | | | Abdominus, |
| | | | | Obliques, |
| | | | | Transversus). |
| | | | | Identify the following |
| | | | | muscles of the |
| | | | | appendicular skeleton: |
| | | | | |
| | | | | 1. Muscles of the |
| | | | | Shoulder and Upper |
| | | | | limb |
| | | | | i.Muscles that position |
| | | | | the Pectoral |
| | | | | Girdle |
| | | | | |
| | | | | Trapezius |
| | | | | Serratus Anterior |
| | | | | Pectoralis Minor. |
| | | | | ii.Muscles that move |
| | | | | the arm |
| | | | | Pectoralis Major |
| | | | | > Deltoid |
| | | | | > Supraspinatus |
| | | | | |
| | | | | > Latissimus Dorsi. |
| | | | | iii.Muscles that move |
| | | | | the Forearm, |
| | | | | Hand and Fingers |
| | | | | Flexors of the |
| | | | | forearm at the |
| | | | | elbow: Biceps |
| | | | | Brachii |
| <u> </u> | <u> </u> | 1 1 | <u> </u> | |

| | 1 | |
|--|-------|--|
| | | Brachialis, |
| | | Brachioradialis |
| | | > Extensor of the |
| | | forearm at the |
| | | elbow: Triceps |
| | | Brachii |
| | | Flexors of the hand |
| | | at the wrist |
| | | > Extensors of the |
| | | hand at the wrist |
| | | Thenar Muscles |
| | | Hypothenar |
| | | Muscles |
| | | > Flexors and |
| | | Extensors of the |
| | | fingers at the |
| | | Metacarpophalang |
| | | eal joint |
| | | 2. Muscles of the Pelvis |
| | | and Lower Limb |
| | | i.Muscles that move the |
| | | Thigh |
| | | Gluteal Group |
| | | > Lateral Rotator |
| | | Group |
| | | > Iliopsoas. |
| | | ii.Muscles that move |
| | | the Leg |
| | | Flexors of the leg at |
| | | the knee joint: |
| | | Hamstrings. |
| | | Extensors of the |
| | | leg at the knee |
| | | joint: Quadriceps |
| | | femoris. |
| | | iii.Muscles that move |
| | | the Foot and Toes ➤ Dorsiflexors |
| | | Plantarflexors |
| | | |
| | | Digital flexors |
| | | Digital extensors. |
| | | Name the muscle or |
| | | group of muscles innervated by the |
| | | , |
| | | following nerve or plexuses: |
| | | piexuses.Coulomotor Nerve |
| | | (Cranial Nerve III) |
| | | > Trochlear Nerve |
| | | (Cranial Nerve IV) |
| | | → Trigeminal Nerve |
| | | (Cranial Nerve V) |
| | | → Abducens Nerve |
| | | (Cranial Nerve VI) |
| | | Facial Nerve |
| | | (Cranial Nerve VII) |
| | | (Cramai Nerve VII) |
| | | |

| | | ➢ Glossopharyngeal Nerve (Cranial Nerve IX) ➢ Vagus Nerve (Cranial Nerve X) ➢ Accessory Nerve (Cranial Nerve XI) ➢ Hypoglossal Nerve (Cranial Nerve XII) ● Describe the anatomical and functional divisions of the nervous system ● Label a typical neuron and describe the functions of each component ● Describe the structure of the synapse. ● Classify neurons according to their structure and function ● Describe the location and functions of neuroglia ● Relate the structural components of the central nervous system to those of the peripheral nervous system ● Discuss the structure and the function of the spinal cord ● Describe the three meningeal layers that surround the central nervous system ● Explain the roles of white and gray matter in processing and relaying sensory information and motor commands ● Describe the three meningeal layers that surround the central nervous system ● Explain the roles of white and gray matter in processing and relaying sensory information and motor commands ● Describe the components of a spinal nerve ● Distinguish between motor and sensory distribution of spinal nerves ● Relate the distribution pattern of spinal nerves |
|--|--|---|
| | | distribution of spinal nerves Relate the distribution |

| | | <u> </u> | |
|-----|-----------------|----------|---|
| | | | Name, locate the |
| | | | ventricles of the brain |
| | | | and describe the connection between |
| | | | connection between them and the |
| | | | subarachnoid space |
| | | | Explain five ways in |
| | | | which the brain is |
| | | | protected |
| | | | Discuss the formation, |
| | | | circulation and |
| | | | functions of |
| | | | cerebrospinal fluid |
| | | | Describe the external |
| | | | features of the medulla |
| | | | Relate each of the |
| | | | nuclei to their specific |
| | | | function |
| | | | Describe the structure of the page. |
| | | | of the pons • Describe the structure |
| | | | Describe the structure of the cerebellum |
| | | | Describe the gross |
| | | | anatomical structure of |
| | | | the mesencephalon |
| | | | List the different parts |
| | | | that form the |
| | | | diencephalon |
| | | | Name the boundaries |
| | | | of the diencephalon |
| | | | Name parts of the brain |
| | | | that forms the limbic |
| | | | system |
| | | | Distinguish between |
| | | | the cerebral cortex and |
| | | | basal nuclei |
| | | | Locate the sensory, motor and association |
| | | | areas of the brain and |
| | | | explain their functions |
| | | | • Identify the major |
| | | | integrative centres of |
| | | | the cerebrum |
| | | | Comment on brain |
| | | | lateralisation |
| | | | Describe the white |
| | | | matter and capsules of |
| | | | the brain |
| | | | Name the cranial |
| | | | nerves |
| | | | Name the foramina of the skull traversed by |
| | | | the skull traversed by each cranial nerve. |
| | | | Identify if the nerve is |
| | | | sensory, motor or mix |
| | | | Relate the nerve to its |
| | | | function |
| 204 | | I | |
| 324 | | | RULES AND REGULATIONS 2024 |

| | | | Explain what is meant by the somatic nervous |
|-----|--|---------|--|
| | | | system |
| | | | Trace the path of the |
| | | | motor impulse from the |
| | | | brain to the organ |
| | | | Trace the path of the |
| | | | sensory impulse from receptor organ to the |
| | | | brain |
| | | | Describe the pathways |
| | | | of the somatic and autonomic nervous |
| | | | systems |
| | | | Give an overview of the functions of the |
| | | | sympathetic and |
| | | | parasympathetic divisions of the |
| | | | autonomic nervous |
| | | | systemsLocate the sympathetic |
| | | | chain, collateral ganglia |
| | | | and suprarenal |
| | | | medullae and relate |
| | | | them to the structural |
| | | | organisation of the sympathetic division |
| | | | Locate the different |
| | | | ganglia of the |
| | | | parasympathetic |
| | | | nervous system and |
| | | | relate them to the |
| | | | structural organisation of the parasympathetic |
| | | | division |
| | | | Describe the location, |
| | | | structure, and functions |
| | | | of the pituitary gland, |
| | | | thyroid gland, |
| | | | parathyroid glands, |
| | | | suprarenal (adrenal) glands, pineal gland, |
| | | | thymus, pancreas, |
| | | | testes and ovaries. |
| | | | • Summarise the |
| | | | functions of each of the |
| | | | components of the |
| | | | human reproductive system |
| | | | Distinguish between |
| | | | the primary and |
| | | | accessory structures in |
| | | | the male reproductive |
| | | | system |
| | | | Name the ducts that receive and transport |
| | | | receive and transport |
| 325 | | RULES A | ND REGULATIONS 2024 |

| | Т Т | ı | | |
|-----|-----|---|-------------|---|
| | | | | sperm in the correct |
| | | | | sequence |
| | | | | Name the accessory |
| | | | | glands of the male |
| | | | | reproductive system |
| | | | | Describe the structure |
| | | | | and histology of the |
| | | | | testes |
| | | | | Outline the process of |
| | | | | spermatogenesis |
| | | | | Describe the location |
| | | | | and functions of the |
| | | | | epididymis, ductus |
| | | | | deferens, ejaculatory |
| | | | | duct and urethra |
| | | | | Describe the secretions |
| | | | | and functions of the |
| | | | | seminal vesicles, |
| | | | | · 1 |
| | | | | prostate gland, and |
| | | | | bulbourethral glands |
| | | | | Describe the |
| | | | | composition of semen |
| | | | | Briefly describe the |
| | | | | structure and functions |
| | | | | of the external genitalia |
| | | | | of the male |
| | | | | Distinguish between |
| | | | | the primary and |
| | | | | accessory structures in |
| | | | | the female reproductive |
| | | | | system |
| | | | | Locate and describe |
| | | | | the structure of the |
| | | | | ovaries |
| | | | | Outline the events of |
| | | | | oogenesis |
| | | | | Distinguish the various |
| | | | | parts of the uterine |
| | | | | tubes |
| | | | | Relate functions of the |
| | | | | uterine tubes to its |
| | | | | histology |
| | | | | Describe the internal |
| | | | | anatomy of the uterus |
| | | | | Describe the uterine |
| | | | | wall |
| | | | | Briefly describe the |
| | | | | structure and functions |
| | | | | of the external genitalia |
| | | | | of the female |
| | | | | Relate the structures of |
| | | | | |
| | | | | the mammary glands to |
| | | | | their functions |
| | | | | • Identify the |
| | | | | components of the |
| 1 | | | | urinary system and |
| L | | | | describe the vital |
| 326 | | | RULES AND R | REGULATIONS 2024 |

| | 1 | 1 | T = | |
|-----|---|---|----------------|---|
| | | | | unctions performed by |
| | | | | his system. |
| | | | | Describe the structure |
| | | | | of the kidneys. |
| | | | | dentify the major blood |
| | | | | vessels associated with |
| | | | | each kidney and trace |
| | | | | he path of blood flow |
| | | | | hrough the kidney |
| | | | | Describe the structure of the nephron, |
| | | | | ncluding the |
| | | | | nicroanatomy of the |
| | | | | enal corpuscle |
| | | | | Describe the structures |
| | | | | and functions of the |
| | | | | ureters, urinary bladder |
| | | | | and urethra |
| | | | | Describe the primary |
| | | | | unctions of the |
| | | | r | espiratory system |
| | | | | ist the components of |
| | | | t | he respiratory airways |
| | | | a | and describe the |
| | | | | structural and |
| | | | | unctional classification |
| | | | | of these components |
| | | | | dentify the organs of |
| | | | | he respiratory system |
| | | | | and describe their |
| | | | | unctions. |
| | | | | Describe the gross |
| | | | | anatomy and histology |
| | | | | of the following respiratory airways: |
| | | | | respiratory airways: hasal cavity, pharynx, |
| | | | | arynx, trachea, |
| | | | | pronchi, bronchioles |
| | | | | and alveoli. |
| | | | | Describe the neural and |
| | | | | ocal control of |
| | | | | pronchiolar |
| | | | | nusculature. |
| | | | | Describe the macro- |
| | | | | and microscropic |
| | | | a | anatomy of the lungs. |
| | | | | ist the general |
| | | | | unctions of the |
| | | | | digestive system. |
| | | | | dentify the organs of |
| | | | | he digestive system |
| | | | | and describe their |
| | | | | major functions. |
| | | | | Describe the location of |
| | | | | he peritoneal cavity, |
| | | | | define the term retro- |
| | | | F | peritoneal and name |
| 327 | | | RULES AND REGU | LATIONS 2024 |

| | | • | | |
|-----|-------------|---|--------------|---|
| | | | | the retroperitoneal |
| | | | | organs. |
| | | | | Describe the functional histology of the |
| | | | | digestive tract. |
| | | | | List and describe the |
| | | | | mechanisms that |
| | | | | regulate or control the |
| | | | | activities of the |
| | | | | digestive system. |
| | | | | Describe the anatomy |
| | | | | and basic functions of the oral cavity, tongue, |
| | | | | salivary glands, teeth |
| | | | | and pharynx. |
| | | | | Describe the gross |
| | | | | anatomy and histology |
| | | | | of the oesophagus. |
| | | | | Describe the functions of the stomach. |
| | | | | Describe the anatomy |
| | | | | of the stomach, |
| | | | | including its histological |
| | | | | features. |
| | | | | Describe the |
| | | | | anatomical and histological |
| | | | | characteristics of the |
| | | | | small intestine. |
| | | | | Describe the structure |
| | | | | and functions of the |
| | | | | pancreas, liver and |
| | | | | gallbladder, and explain how their activities are |
| | | | | regulated and |
| | | | | coordinated. |
| | | | | List the components of |
| | | | | the circulatory system. |
| | | | | Describe the functions |
| | | | | of the cardiovascular |
| | | | | system.Differentiate between |
| | | | | arteries and veins in |
| | | | | terms of their function. |
| | | | | Define the terms, |
| | | | | pulmonary and |
| | | | | systemic circuits and |
| | | | | trace the flow of blood |
| | | | | through these circuits. |
| | | | | Describe the general location of the heart. |
| | | | | List the four chambers |
| | | | | of the heart and |
| | | | | describe the main |
| | | | | structural and |
| | | | | functional differences |
| | | | | between each one. |
| 328 | | | RUI ES AND R | EGULATIONS 2024 |

| | Describe the locations, structure and functions of the heart valves. Identify the layers of the heart wall and describe the structure of each layer. Identify the blood vessels which empty into and drain the heart. Describe the nerve innervation of the heart wall. Describe the blood supply of the heart wall. Trace the flow of blood through the heart, identifying the pulmonary and systemic circuits, the main blood vessels, the heart chambers and the heart valves. Identify the three layers that constitute the walls of most blood vessels. Differentiate between arteries and veins in terms of their structure. Compare the different types of blood vessels in terms of their structure. Compare the different types of blood vessels in terms of their structure. Identify the major systemic arteries and their locations. Identify the major systemic arteries and their locations. Identify the skeletal landmarks of the head and neck. Identify the skeletal landmarks of the thorax. |
|--|--|
|--|--|

| | | 1000/ | | | 10 | Identify the skeletal landmarks of the abdomen and pelvis. Identify the planes/lines of the abdomen and pelvis. Identify surface markings of the cavities and viscera of the abdomen and pelvis. Identify the skeletal landmarks of the upper and lower limbs. Identify the compartments, surface markings of muscles and vasculature of the upper and lower limbs. |
|----------------|-------------|-------|----|---|----|---|
| Aquatic Rescue | AQR01Y 3 | 100% | 0% | 6 | 12 | The aim of this module was to provide the student with the necessary skill, knowledge and insight needed to: • Function as an aquatic rescuer. • Perform a surface rescue of a patient in an aquatic rescue environment from a static body of water. • Rescue a victim from a swift water environment on their own or with a team • Move in and through a river in a safe and efficient manner. • Rescue a victim from swift water with the use of minimum resources. • Rescue a victim from swift water with the use of specialized equipment. Throughout completion of this module, the following learning outcomes were achieved: Discuss the construction, maintenance and correct use of the general items of aquatic rescue equipment as discussed Explain the correct procedures for checking the listed items of aquatic rescue equipment. Correctly identify and make use of the listed items of aquatic rescue equipment. Demonstrate the correct technique for checking and inspecting items of equipment for serviceability Don and doff PFDs correctly Correctly package a patient in the water apatient in the water, apatient in the water, approaching and securing the victim as |

| | Use inflatable boats in swift water rescue. Provide the students with the basic skills needed to work safely with and around small craft in the water. | communicating under water Swim 200 meters in 5 min or less Swim a distance of 2000 meters (With the aid of a flotation device or PFD) Tread water for 20 min Swim down 4 meters (breath held) and retrieve a patient from the bottom Approach and secure a panicked patient in the water Tow an exhausted swimmer to the side |
|-----|---|---|
| | | Remove a patient from the waterDemonstrate the |
| | | correct entry methods Function as a member of a breath held dive team to perform simple tasks under water |
| | | Swim a distance of at least 30 meters under water Communicate |
| | | adequately under water |
| | | Explain the differences between a dam and a lake and how the differences affect rescue operations |
| | | Discuss dangers that are associated with dams and lakes |
| | | incidents that may occur near or on dams & lakes |
| 331 | | Discuss the management of a surface rescue |

| | | Explain the common causes of drowning |
|--|--|---|
| | | and near drowningExplain in detail why a |
| | | low head dam is such a dangerous area for swimmers and rescue activities |
| | | Draw and label a low head dam |
| | | Discuss the various methods of performing a low head dam rescue |
| | | Organise and manage a rescue from a dam or lake in a logical and efficient manner |
| | | Enter the water and swim out using both the torpedo boy as well as the line and |
| | | Demonstrate the self- help procedures for escaping from a low head dam or weir |
| | | Demonstrate the correct methods of searching shallow water for a submerged victim |
| | | Discuss the common causes for drowning in rivers |
| | | Discuss and describe the dangers associated with swift moving water |
| | | Discuss the environmental hazards associated with river rescue |
| | | Discuss swift water rescue philosophyDiscuss river safety |
| | | Discuss the importance of proper preplanning |
| | | Draw and label a typical river indicating the following features: Undercut banks |
| | | EddiesStrainersReversals |

| | | | Discuss the effect that |
|-----|----------|---|--|
| | | | gradient and river |
| | | | topography has on the |
| | | | flow rate |
| | | | Identify features |
| | | | caused by moving |
| | | | water |
| | | | • Discuss the |
| | | | construction, |
| | | | maintenance and |
| | | | correct use of the |
| | | | general items of swift |
| | | | water rescue |
| | | | equipment as |
| | | | discussed |
| | | | Explain the correct |
| | | | procedures for |
| | | | checking the listed |
| | | | items for serviceability |
| | | | • Discuss the |
| | | | importance of |
| | | | securing equipment |
| | | | Correctly identify and |
| | | | make use of the listed |
| | | | items of swift water |
| | | | rescue equipment |
| | | | Demonstrate the |
| | | | correct technique for |
| | | | checking and |
| | | | inspecting items of |
| | | | equipment for |
| | | | serviceability |
| | | | • Don and doff PFD's |
| | | | correctly |
| | | | • Discuss river |
| | | | communication |
| | | | methods |
| | | | Describe the various |
| | | | methods of crossing a |
| | | | fast moving river |
| | | | • Demonstrate the |
| | | | ability to swim and |
| | | | move in fast moving |
| | | | water safely |
| | | | • Demonstrate the |
| | | | ability to cross a fast |
| | | | moving river safely as |
| | | | a single person or in a |
| | | | group |
| | | | Describe the common |
| | | | incidents that may |
| | | | occur in fast moving |
| | | | water as well as the |
| | | | general principles of |
| | | | management for each |
| | | | incident |
| l l | <u> </u> | l | |

| | | | | | _ | Discuss and describe |
|--|---|-----|---|-----|---|--------------------------|
| | | | | | • | Discuss and describe |
| | | | | | | the various methods |
| | | | | | | of entering the water, |
| | | | | | | approaching and |
| | | | | | | securing the victim as |
| | | | | | | well as extracting the |
| | | | | | | patient. |
| | | | | | • | Explain the |
| | | | | | | importance of |
| | | | | | | choosing the correct |
| | | | | | | extraction point for the |
| | | | | | | patient |
| | | | | | _ | =" |
| | | | | | • | Extract a patient from |
| | | | | | | swift water |
| | | | | | • | Approach a panicking |
| | | | | | | victim |
| | | | | | • | Demonstrate making |
| | | | | | | contact using |
| | | | | | | lifesaving locks, holds |
| | | | | | | and recovery styles |
| | | | | | • | Throw a throw bag to |
| | | | | | • | a patient 15 meters |
| | | | | | | • |
| | | | | | _ | away |
| | | | | | • | Demonstrate |
| | | | | | | removing patients |
| | | | | | | from the water |
| | | | | | • | Discuss and describe |
| | | | | | | the use of a zip lines |
| | | | | | | for patient extraction |
| | | | | | • | Discuss and describe |
| | | | | | | the use of a high wire |
| | | | | | | for patient extraction |
| | | | | | _ | Build and operate a |
| | | | | | • | |
| | | | | | | zip line system |
| | | | | | | correctly |
| | | | | | • | Build and operate a |
| | | | | | | high wire correctly |
| | | | | | • | Explain how to |
| | | | | | | perform a rescue |
| | | | | | | when an inflatable |
| | | | | | | boat is stranded |
| | | | | | • | Explain how to use an |
| | | | | | • | inflatable boat to do a |
| | | | | | | swift water rescue |
| | | | | | | |
| | | | | | • | Demonstrate how to |
| | | | | | | rescue a inflatable |
| | | | | | | boat when it is |
| | | | | | | stranded |
| | | | | | • | Demonstrate how to |
| | | | | | | do a swift water |
| | | | | | | rescue using an |
| | | | | | | inflatable boat |
| | | | | | _ | |
| | | | | | • | Demonstrate |
| | | | | | | effectiveness in |
| | | | | | | handling a swift water |
| | i | 1 1 | Ì | i l | | boat |

| | | | | | | |
|-----|----------------------------|--|--|---|---|--|
| | | | | • | Draw and label the | |
| | | | | | basic anatomy of a small boat | |
| | | | | • | Discuss the | |
| | | | | | advantages and | |
| | | | | | disadvantages of the | |
| | | | | | different hull designs | |
| | | | | • | Draw and label the | |
| | | | | | various components | |
| | | | | | of an outboard motor | |
| | | | | • | Discuss Archimedes's | |
| | | | | | principle in relation to the draft of a boat in | |
| | | | | | the water | |
| | | | | • | Explain the effect of | |
| | | | | | trimming a motor | |
| | | | | | whilst moving | |
| | | | | • | Describe the correct | |
| | | | | | procedure for | |
| | | | | | transporting a boat Describe the correct | |
| | | | | • | procedure for | |
| | | | | | launching a boat from | |
| | | | | | trailer into the water | |
| | | | | • | Explain the general | |
| | | | | | safety rules that | |
| | | | | | should be obeyed | |
| | | | | | when working with | |
| | | | | • | and around small craft Explain the function | |
| | | | | • | as well as the | |
| | | | | | advantages and | |
| | | | | | disadvantages of a | |
| | | | | | lanyard stop switch | |
| | | | | • | Discuss the effect | |
| | | | | | centre of gravity has | |
| | | | | | on a boat as well as | |
| | | | | | how loading patterns can affect the | |
| | | | | | handling of a boat | |
| | | | | • | Explain the dangers of | |
| | | | | | carbon monoxide | |
| | | | | | poisoning with boats | |
| | | | | • | Discuss the | |
| | | | | | maintenance of an outboard motor as | |
| | | | | | well as the | |
| | | | | | advantages and | |
| | | | | | disadvantages two | |
| | | | | | stroke, four stroke, | |
| | | | | | inboard and outboard | |
| | | | | | motors | |
| | | | | • | Pilot a small craft safely and effectively | |
| | | | | • | Launch a boat from a | |
| | | | | • | trailer into the water | |
| | | | | | safely and effectively | |
| 335 | RULES AND REGULATIONS 2024 | | | | | |

| | | | | | | | Approach a patient in the water in the correct manner Perform a high speed bail off Remove patients from underneath a capsized boat Deploy a standard anchor Remove a boat from the water correctly Move patient from the water into the boat and onto the land correctly Perform the prelaunch system checks correctly Disconnect, refuel and re connect fuel systems safely and efficiently Correctly tow connect and tow a disabled craft Activate and deactivate a lanyard stop switch Perform an emergency stop from the plane Start a motor using the emergency line Correctly deploy a drogue anchor Demonstrate the correct techniques for signalling distress |
|--------------------|-------------|------|----|---|---|--|---|
| Aviation Rescue | AVR01Y 3 | 100% | 0% | 6 | 3 | The aim of this module was to provide the student with the knowledge, skills and insight needed to function and work with a rotor winged aircraft in the rescue environment. | Throughout completion of this module, the following learning outcomes were achieved: • Discuss the use of aircraft for medical rescue purposes • List the common types of aircraft used for rescue purposes • Explain the correct procedure one needs to follow in order to activate an aircraft for a medical rescue incident |

| considerations one needs to take into account before activating an aircraft for an incident. Explain the general physic behind the generation of lift and flight Discuss the advantages & disadvantages of rotor wing aircraft Describe and discuss the discussion of a good landing zone for rotor wing aircraft Describe the ideal characteristics of a good landing zone for rotor winged aircraft Explain how one would go about creating an emergency landing zone for a rotor winged aircraft during the day and at night in a built an aircraft from the ground Identify and neutralize potential hazards for the aircraft and rescue crew Safely approach a rotor winged aircraft on the ground Identify and neutralize potential hazards for the aircraft and rescue crew Safely approach a rotor winged aircraft on the ground Construct an emergency landing zone for a rotor winged aircraft on the ground Construct an emergency landing zone for a rotor winged aircraft on the ground Construct an emergency landing zone for a rotor winged aircraft and rescue crew Construct an emergency landing zone for a rotor winged aircraft and rescue crew and at night in a built up area Construct an emergency landing zone for a rotor winged aircraft and at night in a rural area | | | | |
|---|-----|------|------|---|
| emergency landing zone for a rotor winged aircraft by day and at night in a built up area Construct an emergency landing zone for a rotor winged aircraft by day and at night in a rural area Correctly deploy a smoke grenades and | | | • | needs to take into account before activating an aircraft for an incident. Explain the general physic behind the generation of lift and flight Discuss the advantages & disadvantages of rotor wing aircraft Describe and discuss the dangers associated with working in and around rotor wing aircraft Describe the ideal characteristics of a good landing zone for rotor winged aircraft Explain how one would go about creating an emergency landing zone for a rotor winged aircraft during the day and at night Discuss and describe the various methods of signaling to and communicating with an aircraft from the ground Identify and neutralize potential hazards for the aircraft and rescue crew Safely approach a rotor winged aircraft |
| Safely approach a rotor winged aircraft on the ground Construct an emergency landing zone for a rotor winged aircraft by day and at night in a built up area Construct an emergency landing zone for a rotor winged aircraft by day and at night in a rural area Correctly deploy a smoke grenades and | | | | the various methods of signaling to and communicating with an aircraft from the ground Identify and neutralize potential hazards for |
| and at night in a built up area Construct an emergency landing zone for a rotor winged aircraft by day and at night in a rural area Correctly deploy a smoke grenades and | | | • | Safely approach a rotor winged aircraft on the ground Construct an emergency landing zone for a rotor |
| Correctly deploy a smoke grenades and | | | • | and at night in a built up area Construct an emergency landing zone for a rotor winged aircraft by day and at night in a rural |
| 337 BUILD AND REIGH ATH MIS 2022 | 337 | | | Correctly deploy a smoke grenades and |

| | | | | | | | other signalling devices Signal to an aircraft using a heliograph mirror Demonstrate hoisting and lowering of the rescuer with a hoisting strap (rescue strop) and a rescue harness. Demonstrate the hoisting of stretchers from water, from a mountain top and from a mountain slope. Demonstrate how to |
|--------------------------------|-------------|-----|-----|---|---|---|--|
| Basic Science: Chemistry | CHB1BB 1 | 50% | 50% | 5 | 6 | The purpose of this module was to develop the knowledge and understanding of chemical principles and techniques of chemistry required for later Emergency Medical Care modules. | rescue / hoist a patient from water. Throughout completion of this module, the following learning outcomes were achieved: • Homo- and heterogeneous matter can be identified and described. • Separation of mixtures can be described. • Microscopic descriptions (atoms, molecules) can be differentiated from macroscopic descriptions (solids, liquids and gases). • Pure substances and be differentiated from mixtures. • Compounds can be differentiated from elements. • Qualitative descriptions of matter can be differentiated from elements. • Physical and chemical properties can be identified, described and examples given. • Intensive and extensive properties can be identified, described and examples given. |

| Г | | | | | |
|---|---|-----|--|---|-------------------------|
| | | | | • | Elements can be |
| | | | | | classified as metals, |
| | | | | | non-metals and |
| | | | | | semimetals based on |
| | | | | | their position in the |
| | | | | | periodic table. |
| | | | | • | Main Group elements, |
| | | | | • | Transition metals, and |
| | | | | | |
| | | | | | Lanthanides and |
| | | | | | Actinides can be |
| | | | | | located. |
| | | | | • | Atoms / elements are |
| | | | | | identified using the |
| | | | | | information given in |
| | | | | | the periodic table |
| | | | | | namely: name, |
| | | | | | symbol, atomic |
| | | | | | number and average |
| | | | | | atomic weight. |
| | | | | • | Protons, neutrons, |
| | | | | | electrons, nucleus or |
| | | | | | nuclides, are |
| | | | | | identified for specific |
| | | | | | atoms. |
| | | | | • | Atomic number (Z) |
| | | | | • | and mass number (A) |
| | | | | | |
| | | | | | can be given for |
| | | | | | specific atoms. |
| | | | | • | Isotopes can be |
| | | | | | identified using full |
| | | | | | names and full |
| | | | | | symbols. |
| | | | | • | Macroscopic terms |
| | | | | | (elements and |
| | | | | | compounds) are |
| | | | | | differentiated from |
| | | | | | microscopic terms |
| | | | | | (atoms and |
| | | | | | molecules). |
| | | | | • | The terms 'relative |
| | | | | | atomic mass', 'atomic |
| | | | | | mass', 'relative |
| | | | | | molecular mass', |
| | | | | | 'molecular mass' are |
| | | | | | known and can be |
| | | | | | differentiated from |
| | | | | | |
| | | | | _ | each other. |
| | | | | • | Average relative |
| | | | | | atomic masses can be |
| | | | | | calculated from |
| | | | | | isotopic abundances. |
| | | | | • | Bohr models to |
| | | | | | represent electrons |
| | | | | | and Lewis structures |
| | | | | | to represent valence |
| | | | | | electrons of atoms of |
| | I | 1 1 | | | |
| | | | | | |

| | T T | | | |
|-----|-----|-----|---------------|---|
| | | | | elements can be |
| | | | | drawn. |
| | | | | • The terms valence |
| | | | | electrons, core |
| | | | | electrons and valency |
| | | | | can be described. |
| | | | | Group properties can |
| | | | | be related to electron |
| | | | | structure. |
| | | | | Atoms and ions, |
| | | | | cations and anions |
| | | | | are known and |
| | | | | represented using |
| | | | | symbols. |
| | | | | Correct names and |
| | | | | |
| | | | | charges are given to |
| | | | | cations and anions. |
| | | | | The Octet rule is |
| | | | | known and is used to |
| | | | | predict number of |
| | | | | covalent bonds or |
| | | | | number of electrons |
| | | | | lost or gained when |
| | | | | ions form. |
| | | | | The Periodic Table is |
| | | | | used to predict |
| | | | | whether atoms will |
| | | | | lose, gain or share |
| | | | | electrons. |
| | | | | Metallic bonding is |
| | | | | described using the |
| | | | | electron sea model. |
| | | | | Ionic, and covalent |
| | | | | bonding are described |
| | | | | using Lewis dot and |
| | | | | cross structures. |
| | | | | Properties of metallic, |
| | | | | ionic and covalent |
| | | | | compounds can be |
| | | | | listed and related to |
| | | | | |
| | | | | their bonding. |
| | | | | Trends in alestropagativity can |
| | | | | electronegativity can |
| | | | | be accounted for and |
| | | | | used to explain |
| | | | | unequal sharing of |
| | | | | electrons. |
| | | | | • Forces between |
| | | | | molecules can be |
| | | | | predicted and |
| | | | | differentiated from |
| | | | | bonds inside |
| | | | | molecules. |
| | | | | • Formulas can be |
| | | | | given from an element |
| | | | | or compound name |
| | | | | and vice versa. |
| | 1 | 1 1 | 1 | |
| 340 | | | PLILES AND PL | EGULATIONS 2024 |

| | Percent composition |
|----------|---|
| | can be calculated |
| | from chemical |
| | formulas. |
| | Avogadro's number |
| | |
| | can be given to 4 |
| | significant figures. |
| | Calculations |
| | demonstrating the |
| | smallness of atoms |
| | and largeness of |
| | _ |
| | Avogadro's number |
| | can be performed. |
| | Conversions between |
| | grams \leftrightarrow moles \leftrightarrow |
| | particles can be |
| | performed. |
| | • |
| | • The term amount, |
| | which replaces the |
| | term "number of |
| | moles", is correctly |
| | applied. |
| | Word equations can |
| | be written. |
| | |
| | • Sketches showing |
| | balanced numbers of |
| | atoms and molecules |
| | in reactions can be |
| | drawn. |
| | • Equations can be |
| | |
| | balanced using taught |
| | strategies. |
| | Reagents / reactants, |
| | products and |
| | stoichiometric |
| | coefficients can be |
| | identified and |
| | described. |
| | |
| | Composition |
| | (synthesis), |
| | decomposition, single |
| | replacement, double |
| | replacement |
| | (exchange / |
| | |
| | metathesis) reactions |
| | can be identified and |
| | the products formed |
| | can be predicted. |
| | Stoichiometric ratios |
| | can be identified and |
| | |
| | used to calculate |
| | quantities of reagents |
| | used or products |
| | formed. |
| | • Different types of |
| | radiation can be |
| | identified. |
| | |
| 341 RULE | S AND REGULATIONS 2024 |

| | | | | |
|-----|---|------|-------------|--|
| | | | | • Equations and |
| | | | | calculations can be |
| | | | | used to explain what |
| | | | | happens to the |
| | | | | nucleus during |
| | | | | radioactive decay. |
| | | | | Minimum protection |
| | | | | levels are known and |
| | | | | can be applied. |
| | | | | Potential dangers and |
| | | | | health hazards can be |
| | | | | listed. |
| | | | | Medical uses can be listed. |
| | | | | Properties of gases |
| | | | | are related to their |
| | | | | microscopic |
| | | | | properties. |
| | | | | D 1 (1) |
| | | | | Relationships between temperature |
| | | | | |
| | | | | pressure and volume are known. |
| | | | | |
| | | | | The properties and precautions |
| | | | | associated with |
| | | | | commonly used |
| | | | | gases are listed |
| | | | | correctly. |
| | | | | • The reason that a |
| | | | | scuba diver would get |
| | | | | 'the bends' are |
| | | | | correctly identified |
| | | | | and actions taken to |
| | | | | combat this problem |
| | | | | are accurately listed. |
| | | | | · · |
| | | | | The shape of a water molecule can be |
| | | | | drawn. |
| | | | | |
| | | | | • The polarity of the water molecule can be |
| | | | | described using the |
| | | | | electronegativies of |
| | | | | oxygen and hydrogen. |
| | | | | A diagram showing |
| | | | | the intramolecular |
| | | | | forces (known as |
| | | | | hydrogen bonding) in |
| | | | | water can be drawn. |
| | | | | |
| | | | | The physical properties of water are |
| | | | | listed and related to |
| | | | | the structure of water. |
| | | | | Four factors affecting |
| | | | | solubility are |
| | | | | described. |
| | | | | Diagrams showing the |
| | | | | products of the |
| _ | 1 | | | 1 |
| 342 | | | RULES AND R | EGULATIONS 2024 |

| | Π | | | diagolying process |
|------|---|------|-------------|--|
| | | | | dissolving process can be drawn. |
| | | | | |
| | | | | Equations that include |
| | | | | phase labels are used |
| | | | | to describe the |
| | | | | dissolving process. |
| | | | | • The terms "solute", |
| | | | | "solvent", "solution" |
| | | | | "aqueous ions", |
| | | | | "dilute", |
| | | | | "concentrated" and |
| | | | | "saturated solutions", |
| | | | | and "electrolyte" can |
| | | | | be described. |
| | | | | Calculations involving |
| | | | | percent composition |
| | | | | and molarity of |
| | | | | solutions can be |
| i | | | | performed. |
| | | | | The properties of pure |
| | | | | solutions, colloids, |
| | | | | suspensions and |
| | | | | emulsions are |
| | | | | described. |
| | | | | Differences between |
| | | | | each solution type are |
| | | | | clearly identified. |
| | | | | Macroscopic and |
| | | | | microscopic |
| | | | | properties (Arrhenius |
| | | | | definition only) of |
| | | | | acids and bases are |
| | | | | correctly described. |
| | | | | • The terms "strong" |
| | | | | and "weak" are used |
| | | | | |
| | | | | to correctly describe acids and bases and |
| | | | | |
| | | | | can be illustrated |
| | | | | using equations. |
| | | | | Equations and definitions are used to |
| | | | | definitions are used to |
| | | | | explain the terms |
| | | | | "mono-" "di-" and |
| | | | | "poly-protic" acids. |
| | | | | Acid-base reactions |
| | | | | are described using |
| | | | | equations and |
| | | | | products formed are |
| | | | | named and identified |
| | | | | using phase labels. |
| | | | | • The term |
| | | | | "autoionisation" (also |
| | | | | called autoprotolysis |
| | | | | or autodissociation) is |
| | | | | defined correctly and |
| | | | | explained using a |
| | | | | balanced equation. |
| 3/13 | | | RULES AND R | |

| ind re- an ap ind | he symbol used to dicate a reversible eaction () is known and used |
|-------------------------------|---|
| rea an ap ind | eaction () is known |
| an ap ind | ` ' |
| ap ind | nd used |
| ind | |
| | opropriately to |
| au | dicate the |
| | utoionisation of |
| | ater. |
| | he derivation of the |
| di | ssociation constant |
| | water is known. |
| | he relationships |
| | etween pH and pOH |
| | re known. |
| | |
| | H and pOH are |
| | orrectly calculated |
| | om supplied |
| | formation using |
| | lught strategies. |
| | he principle of |
| | uffers is understood |
| | nd can be applied to |
| | rocesses in the |
| | uman body. |
| • Or | rganic compounds |
| an | |
| ide | entified. |
| • St | uitable examples |
| | e.g. benzene and |
| | odium chloride) are |
| | sed to compare the |
| | roperties (chemical |
| | nd physical) of |
| | rganic and inorganic |
| | ompounds. |
| | tructural, molecular |
| | , |
| an and foo | |
| | ormulae are correctly |
| | entified and used. |
| | ommon functional |
| | roups are identified |
| | sing their names, |
| | ructures and |
| | rmulae. |
| | roper distinction is |
| | ade between |
| | iphatic and aromatic |
| | ompounds. |
| | rimary, secondary |
| | nd tertiary carbon |
| | toms are |
| | stinguished from |
| | ach other. |
| | rincipal uses of |
| | ydrocarbons are |
| | iven. |
| <u> </u> | VOII. |

| | | | The Assess because Issues |
|--|--|----------|--|
| | | | The term homologoup agreed |
| | | | series is correct defined using suitable |
| | | | examples. |
| | | | Physical propertie |
| | | | (solubility in water an |
| | | | other organi |
| | | | compounds, |
| | | | boiling/melting points |
| | | | phase at roor |
| | | | temperature an |
| | | | density) |
| | | | hydrocarbons ar |
| | | | correctly described. |
| | | | IUPAC and commo |
| | | | names of simple an |
| | | | branched alkanes an |
| | | | cycloalkanes ar |
| | | | correctly given. |
| | | | Simple and branche |
| | | | structures of alkane |
| | | | and cycloalkanes ar |
| | | | drawn correctly. |
| | | | Boiling point trend |
| | | | and other physical |
| | | | properties of alkane |
| | | | can be correct identified an |
| | | | explained. |
| | | | Reactions of alkanes |
| | | | alkenes and alkyne |
| | | | can be given usin |
| | | | simple equations. |
| | | | Uses of alkanes an |
| | | | cycloalkanes ar |
| | | | listed. |
| | | | • Structure an |
| | | | functional groups |
| | | | each group can b |
| | | | identified usin |
| | | | formulas. |
| | | | Functional groups ca |
| | | | be identified from the |
| | | | compound name. |
| | | | Physical and chemical and |
| | | | properties of each |
| | | | group can b identified. |
| | | | |
| | | | Biological important of each group can be |
| | | | explained. |
| | | | Compounds can be |
| | | | distinguished from |
| | | | each other and |
| | | | reactions an |
| | | | structures of each |
| | <u>. </u> | <u> </u> | · |

| Basic Science: Physics Physic | | | | | | | type of compound can be identified.Biological importance of each group can be explained. |
|--|----------|-----|-----|---|---|---|---|
| knowledge of density and relative | Science: | 50% | 50% | 6 | 5 | all the learning activities and applying the principles, the student will be able to master the following life skills, also known as critical outcomes: Identify and solve problems. Vork effectively as a member of a team or group. Communicate effectively verbally and in writing. Organize yourself and your activities responsibly and effectively. Collect, analyze, organize and critically evaluate information. Use Science and Technology effectively. Understand the world as a set of related systems that do not exist in isolation. In addition to the above, the student will gain a factual knowledge of definitions, methods and principles in Physics which he/she will require in the study of this specific chosen field. A broad background | this module, the following learning outcomes were achieved: •Use scientific notation and units •Manipulate SI-units •Display knowledge of the decimal system. •Explain the terms: scalar, vector, resultant. •Represent a vector on paper. •Add vectors using the triangle and parallelogram rules. •Explain the terms: distance, displacement, speed, velocity, average speed, average velocity and acceleration. •Apply the equations of motion to solve problems •Explain the terms: force, mass, weight, the newton. •State Newton's laws of motion. •Apply Newton's laws to solve problems. •Explain the terms: momentum, work, the joule, power, the watt, energy, potential energy, kinetic energy, conservation of energy. •Solve problems involving the above concepts •Explain the concepts: machine, principle of work, actual mechanical advantage, efficiency of a machine. •Apply the above concepts to the lever, the wheel and axle, the inclined plane, and the screw and pulley systems. •Explain the concepts |

| | | | | | | Physics will also aid the student in the understanding and interpretation of future technological development. | density. •Apply the above concepts in solving problems •State the principle of Archimedes. •Use this principle to solve relevant problems. •Draw an annotated diagram of a hydrometer. •Explain the concepts: pressure, the pascal, Pascal's principle, atmospheric pressure, standard pressure. •Solve problems involving the above concepts. •Draw an annotated diagram of a barometer. •List reasons for mercury as preferred barometer liquid. •State the three (3) gas laws. •Solve problems involving these laws as well as the general gas equation. •Explain what heat is as well as the three (3) ways in which heat can be |
|------------------------|-------------|------|----|---|----|---|---|
| Clinical Practice 1 | EMC03Y 1 | 100% | 0% | 6 | 35 | The purpose of studying Emergency Medical Care I was that the student developed and demonstrated the following practical, foundational and reflective outcomes on the culmination of their learning activities: • Manage the prehospital emergency scene and patient, solve clinical problems and apply theoretical understanding of emergency medical care in | transferred. Throughout completion of this module, the following learning outcomes were achieved: Manage the prehospital emergency scene and patient, solve clinical problems and apply theoretical understanding of emergency medical care in the effective assessment and treatment of medical emergencies at an introductory level and with reference to the specific systems and disorders included in Emergency Medical Care I. Justify all interventions and |

- effective omissions related to pre-hospital emergency and assessment management application theoretical principles of patient and scene disorders assessment, disease in processes Emergency Service systems at an introductory level and Justify all with reference to the specific systems and disorders included in Emergency Care I. and of and
 - Innovate and apply knowledge in new contexts as well as make decisions, think strategically, organise and work effectively as part of a team at an introductory level and with reference to the specific criteria included in Emergency Medical Care I.

patient

scene

based

and

of

and

Medical

Medical

- Reflect on your practice. ask questions and heed advice to mould yourself into an everimproving, always reflective and constantly advancing Emergency Care Practitioner.
- Demonstrate the ability to effectively communicate with patients and members of staff in а professional and ethical manner:
 - Professional and ethical communication with patients is correctly demonstrated
 - Professional and ethical communication

- the assessment and treatment medical emergencies at an introductory level and with reference to the specific systems and included Emergency Medical Care I.
- interventions and omissions related to prehospital emergency patient scene assessment and treatment based on application of theoretical principles patient scene assessment, disease processes and Emergency Medical Service systems.
- Innovate and apply knowledge in new contexts as well as make decisions, think strategically, organise and work effectively as part of a team.

| with members of staff is correctly demonstrated. Provide insight into the general management of an ambulance service and its daily functions: Fundamental methods and operating procedures of an ambulance service are logically appraised. Assisting ambulance service are logically reflected on show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented. Demonstrate the ability to read a published article, identify relevant information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a guestion and a guestion are logically presented to a guestion are logically presented to a guestion and a guestion are logically presented to a guestion and a guestion are logically presented to a guestion are logically presented to a guestion and a guestion are logically presented to a guestion and a guestion are logically presented to a guestion and a guestion are logically presented to a guestion and a guestion are logically presented to a guestion and a g | | | 1 | |
|--|-----|--|-------------|-------------------------------------|
| demonstrated. Provide insight into the general management of an ambulance service and its daily functions: Fundamental methods and operating procedures of an ambulance service are logically appraised Assisting ambulance staff with daily checks is logically reflected on show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation. Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | with members of |
| Provide insight into the general management of an ambulance service and its daily functions: Fundamental methods and operating procedures of an ambulance service are logically appraised Assisting ambulance staff with daily checks is logically reflected on Show supporting evidence which refars to the skills fars to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information in a meaningful manner. Demonstrate the ability to generate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| the general management of an ambulance service and its daily functions: Fundamental methods and operating procedures of an ambulance service are logically appraised Assisting ambulance staff with daily checks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information in a meaningful manner. Demonstrate the ability to read a published article, identify relevant information in a meaningful manner. Demonstrate the ability to read a published article, identify relevant information in a meaningful manner. Demonstrate the ability to read a seas study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| management of an ambulance service and its daily functions: Fundamental methods and operating procedures of an ambulance service are logically appraised Assisting ambulance staff with daily checks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | _ |
| ambulance service and its daily functions: Fundamental methods and operating procedures of an ambulance service are logically appraised Assisting ambulance staff with daily checks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information in a meaningful manner. Demonstrate the ability to read a published article, identify relevant information in a meaningful manner. Demonstrate the ability to read a published article, identify relevant information in a meaningful manner. Demonstrate the ability to read as published article, identify relevant information. Case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| and its daily functions: Fundamental methods and operating procedures of an ambulance service are logically appraised Assisting ambulance staff with daily thecks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information in a meaningful manner. Demonstrate the allity to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policides Case presentations are logically | | | | • |
| Fundamental methods and operating procedures of an ambulance service are logically appraised. Assisting ambulance staff with daily checks is logically reflected on show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented. Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies. Case presentations are logically presented to a | | | | |
| methods and operating procedures of an ambulance service are logically appraised Assisting ambulance staff with daily checks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor pertaining to skills and assessments performed with a mentor pertaining to skills and assessments a performed with a mentor pertaining to skills and assessments and documented. Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| operating procedures of an ambulance service are logically appraised Assisting ambulance staff with daily checks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| procedures of an ambulance service are logically appraised Assisting ambulance staff with daily checks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| ambulance service are logically appraised > Assisting ambulance staff with daily checks is logically reflected on • Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: > Documentation pertaining to skills and assessments performed with a mentor ciscorrectly recorded and documented • Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. • Demonstrate the ability to generate a case study and a case presentation: > Case studies are appropriately constructed in accordance with departmental policies > Case presentations are logically presented to a | | | | |
| service are logically appraised Assisting ambulance staff with daily checks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a maningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| logically appraised > Assisting ambulance staff with daily checks is logically reflected on • Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: > Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented • Demonstrate the ability to read a published article, identify relevant information and extract this information and extract this information in a meaningful manner. • Demonstrate the ability to generate a case study and a case presentation: > Case studies are appropriately constructed in accordance with departmental policies > Case presentations are logically presented to a | | | | |
| appraised Assisting ambulance staff with daily checks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | service are |
| Assisting ambulance staff with daily checks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting; Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: ➤ Case studies are appropriately constructed in accordance with departmental policies ➤ Case presentations are logically presented to a | | | | logically |
| ambulance staff with daily checks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| with daily checks is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | • |
| is logically reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | 1 | | | |
| reflected on Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | ı | | | |
| Show supporting evidence which refers to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | , , , |
| evidence which refers to the skills and assessments that must be performed in the clinical practice setting: > Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | reflected on |
| to the skills and assessments that must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| assessments that must be performed in the clinical practice setting: > Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| must be performed in the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | to the skills and |
| the clinical practice setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | assessments that |
| setting: Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | must be performed in |
| Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| pertaining to skills and assessments performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | setting: |
| and assessments performed with a mentor is correctly recorded and documented • Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. • Demonstrate the ability to generate a case study and a case presentation: > Case studies are appropriately constructed in accordance with departmental policies > Case presentations are logically presented to a | | | | |
| performed with a mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| mentor is correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | and assessments |
| correctly recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | performed with a |
| recorded and documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | mentor is |
| documented Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | correctly |
| Demonstrate the ability to read a published article, identify relevant information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | recorded and |
| ability to read a published article, identify relevant information and extract this information in a meaningful manner. • Demonstrate the ability to generate a case study and a case presentation: > Case studies are appropriately constructed in accordance with departmental policies > Case presentations are logically presented to a | | | | documented |
| published article, identify relevant information and extract this information in a meaningful manner. • Demonstrate the ability to generate a case study and a case presentation: > Case studies are appropriately constructed in accordance with departmental policies > Case presentations are logically presented to a | | | | Demonstrate the |
| identify relevant information and extract this information in a meaningful manner. • Demonstrate the ability to generate a case study and a case presentation: > Case studies are appropriately constructed in accordance with departmental policies > Case presentations are logically presented to a | | | | |
| information and extract this information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | published article, |
| extract this information in a meaningful manner. • Demonstrate the ability to generate a case study and a case presentation: • Case studies are appropriately constructed in accordance with departmental policies • Case presentations are logically presented to a | | | | |
| information in a meaningful manner. Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| meaningful manner. • Demonstrate the ability to generate a case study and a case presentation: > Case studies are appropriately constructed in accordance with departmental policies > Case presentations are logically presented to a | | | | |
| Demonstrate the ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| ability to generate a case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| case study and a case presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| presentation: Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| Case studies are appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| appropriately constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| constructed in accordance with departmental policies Case presentations are logically presented to a | | | | |
| accordance with departmental policies Case presentations are logically presented to a | | | | |
| departmental policies Case presentations are logically presented to a | | | | |
| policies Case presentations are logically presented to a | | | | |
| Case presentations are logically presented to a | | | | |
| presentations are logically presented to a | | | | |
| logically presented to a | | | | Case |
| presented to a | | | | presentations are |
| presented to a | | | | logically |
| RULES AND REGULATIONS 2024 | | | | |
| | 349 | | RULES AND R | REGULATIONS 2024 |

| | 1 | | | | | | class of peers |
|------------|--------|------|----|---|----|---------------------------------------|--|
| | | | | | | | who will critique |
| | | | | | | | the presentation. |
| | | | | | | | • Demonstrate the |
| | | | | | | | ability to accurately |
| | | | | | | | document patient care |
| | | | | | | | records and related administrative |
| | | | | | | | documents: |
| | | | | | | | ➤ Patient care |
| | | | | | | | records are |
| | | | | | | | accurately |
| | | | | | | | completed and |
| | | | | | | | captured on the |
| | | | | | | | department's EMDAS system. |
| | | | | | | | Generate a reflective |
| | | | | | | | journal which relates |
| | | | | | | | to your clinical |
| | | | | | | | practice experience: |
| | | | | | | | > A Reflective |
| | | | | | | | journal is logically |
| | | | | | | | created and details the |
| | | | | | | | learner's clinical |
| | | | | | | | practice |
| | | | | | | | experience. |
| Clinical | EMC03Y | 100% | 0% | 6 | 40 | Practical | Throughout completion of |
| Practice 2 | 2 | | | | | competence and | this module, the following |
| | | | | | | experience, in addition to | learning outcomes were achieved: |
| | | | | | | theoretical learning, | |
| | | | | | | has always been a | Demonstrate the |
| | | | | | | fundamental | ability to effectively communicate with |
| | | | | | | premise upon | communicate with patients and members |
| | | | | | | which the philosophy of | of staff in a |
| | | | | | | philosophy of practical-based | professional and |
| | | | | | | education has been | ethical manner: |
| | | | | | | founded. In the | Professional and |
| | | | | | | context of | ethical |
| | | | | | | Emergency | communication with patient's is |
| | | | | | | Medical Care, | correctly |
| | | | | | | competence in clinical assessment | demonstrated; |
| | | | | | | and the diagnosing | Professional and |
| | | | | | | of patients in the | ethical |
| | | | | | | pre-hospital and | communication |
| | | | | | | hospital | with members of staff is correctly |
| | | | | | | environment forms | demonstrated. |
| | | | | | | an essential part of the education of | Provide insight into |
| | | | | | | Emergency | the general |
| | | | | | | Medical Care | management of a |
| | | | | | | students. Such | ward/hospital and its |
| | | | | | | competence is | daily functions: o Fundamental |
| | | | | | | learned most | o Fundamental methods and |
| | | | | | | effectively by | Incinios and |

| combining |
|---|
| theoretical learning |
| and simulated |
| practical |
| • |
| approaches with |
| clinical practice in |
| the "real world" of |
| emergency care |
| under the guidance |
| and supervision of |
| mentors and |
| |
| supervisors. |
| Theoretical |
| learning can never |
| be effective in |
| isolation, neither |
| - |
| can practical ability. |
| This module |
| therefore allowed |
| the student to |
| participate and |
| engage |
| |
| meaningfully in the |
| clinical |
| environment and in |
| so doing assumed |
| full responsibility for |
| their own learning. |
| Mentors within the |
| |
| hospital and pre- |
| hospital setting |
| provided the |
| student with a |
| learning |
| environment in |
| which they offered |
| |
| meaningful |
| feedback to the |
| 4 1 4 11 |
| student as well as |
| comment thereon. |
| comment thereon. |
| comment thereon. The module served |
| comment thereon. The module served as an extremely |
| comment thereon. The module served as an extremely important |
| comment thereon. The module served as an extremely important component in |
| comment thereon. The module served as an extremely important |
| comment thereon. The module served as an extremely important component in |
| comment thereon. The module served as an extremely important component in moulding/building the student's |
| comment thereon. The module served as an extremely important component in moulding/building the student's relationships/intera |
| comment thereon. The module served as an extremely important component in moulding/building the student's relationships/intera ctions as well as |
| comment thereon. The module served as an extremely important component in moulding/building the student's relationships/intera ctions as well as developed the |
| comment thereon. The module served as an extremely important component in moulding/building the student's relationships/intera ctions as well as developed the understanding of |
| comment thereon. The module served as an extremely important component in moulding/building the student's relationships/intera ctions as well as developed the understanding of the student's role |
| comment thereon. The module served as an extremely important component in moulding/building the student's relationships/intera ctions as well as developed the understanding of |
| comment thereon. The module served as an extremely important component in moulding/building the student's relationships/intera ctions as well as developed the understanding of the student's role |
| comment thereon. The module served as an extremely important component in moulding/building the student's relationships/intera ctions as well as developed the understanding of the student's role within the hospital |
| comment thereon. The module served as an extremely important component in moulding/building the student's relationships/intera ctions as well as developed the understanding of the student's role within the hospital and pre-hospital |

- operating procedures of a ward/hospital is logically appraised;
- Assisting ward staff with daily checks is logically reflected on
- evidence which refers to the skills and assessments that must be performed in the clinical practice setting:
 - Documentation pertaining to skills and assessments performed with a mentor is correctly recorded and documented.
- Demonstrate the ability to generate a case study and a case presentation:
 - constructed in accordance with departmental policies;
 - Case
 presentations are
 logically
 presented to a
 class of peers
 who may present
 questions based
 on the
 presentation.
- Demonstrate the ability to accurately document patient care records and related administrative documents:
 - Patient care records are accurately completed and captured on the department's EMDATA system.

| Olivei | EMOCOV. | 4000 | 001 | 7 | | | Reflect on the practice during your clinical practice experience: A logical presentation which details the learners clinical practice experience. |
|---------------------|-------------|------|-----|---|----|---|---|
| Clinical Practice 3 | EMC03Y 3 | 100% | 0% | 7 | 24 | The Emergency Medical Care III Clinical Practice Module dealt with practical application of theoretical knowledge and understanding of advanced life support practice in the prehospital and emergency department settings. On completion the student should be able to integrate their understanding of anatomy, physiology, pathology and professional practice to patient care to the level of Emergency Care Practitioners. This module also aimed to equip the student with the ability to confidently and professionally interact with patients, make accurate diagnoses and sound clinical judgments that inform and validates decisions regarding patient care and treatment. | Throughout completion of this module, the following learning outcomes were achieved: Demonstrate effective communication and apply the principles of medical ethics, professional behaviour and the legal framework to the context within which emergency care practitioners operate while maintaining personal health, wellness and safety during Work Integrated Learning opportunities. Practice and facilitate the provision of emergency medical care to real patients suffering from illnesses and injuries found in the South African pre-hospital setting. Show that you understand the management, structure and function of Emergency Medical Service (EMS) systems in South Africa by effectively working as part of the team you are rostered with on a variety of emergency scenes. Develop research skills and conduct research in emergency medical care and rescue by compiling case studies. |

| | | | | | | | Critically reflect on learning that has occurred during clinical experiential road shifts by completing and submitting case studies and reflective journals. |
|-----------------------|-------------|------|----|---|----|---|---|
| Clinical Practice 4 | EMC03Y 4 | 100% | 0% | 8 | 20 | The purpose of this subject was to gain exposure to the real-world emergency care environment and to have opportunities to practice clinical skills related to both assessment and treatment of patients in this environment. The exposure and experiences obtained through clinical practice were important in providing the student with the contextual familiarity necessary to competently manage a broad spectrum of emergency situations and patients once qualified. In the student's final year of study, there was a great deal of emphasis on leadership (particularly in the pre-hospital environment) in addition to clinical competence. | Throughout completion of this module, the following learning outcomes were achieved, specifically in the clinical learning environment: Organise and manage yourself and your activities responsibly and effectively. Collect, analyse, organise and critically evaluate information. Communicate effectively using visual, mathematical and/or language skills in the modes of oral and/or written presentation. Use science and technology effectively and critically, showing responsibility towards the environment and health of others. Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation. Reflect on and explore a variety of strategies to learn more effectively. Be culturally and aesthetically sensitive across a range of social contexts. |
| Computing Literacy | CSL01A 1 | 100% | 0% | 5 | 4 | The purpose of the End-User Computing course was to allow the learner to | Throughout completion of this module, the following learning outcomes were achieved: |

| | | | | | |
|-----|------|--|-----------------------|---|-----------------------------------|
| | | | familiarise | • | Entering Text |
| | | | themselves with the | • | Creating Documents |
| | | | concepts of | | Based on Existing |
| | | | computer | | Documents |
| | | | technology in order | • | Editing Text |
| | | | to use computers | • | Switching to Another |
| | | | effectively during | | Open Document in |
| | | | their term of study | | word |
| | | | at the University of | • | Formatting Text |
| | | | Johannesburg, as | • | Formatting |
| | | | well as to | | Paragraphs |
| | | | implement their | • | Copying Formats |
| | | | computer | • | Checking Spelling |
| | | | knowledge in the | | And Grammar |
| | | | workplace. All the | • | Previewing and |
| | | | topics in this course | | Printing Documents |
| | | | were geared | • | Finding and |
| | | | towards the user, | | Replacing Text |
| | | | providing what they | • | Working With Styles |
| | | | need to know to | • | Working with Themes |
| | | | prepare | • | Scrolling Through a |
| | | | themselves for a | | Long Document |
| | | | career. The study | | Working with the |
| | | | of the subject End- | | Document Outline |
| | | | User Computing | | Changing the Margins |
| | | | must be used to | • | |
| | | | enhance all other | • | Inserting a Manual |
| | | | subjects. It was an | _ | Page Break |
| | | | entrance level | • | Adding Page |
| | | | subject and the | | Numbers, Headers |
| | | | students had to | _ | and Footers |
| | | | extract from the | • | Creating Citations and |
| | | | course what they | | a List of Work Cited |
| | | | needed to develop | • | Creating Footnotes |
| | | | further. | | and End notes |
| | | | | • | Organising |
| | | | | | Information In Tables |
| | | | | • | Changing the Page Orientation |
| | | | | • | Dividing a Document into Sections |
| | | | | • | Inserting and |
| | | | | | Modifying Graphics |
| | | | | • | Wrapping Text |
| | | | | | Around Graphics |
| | | | | • | Moving Graphics |
| | | | | • | Adding Text Effects |
| | | | | | and Word Art Text |
| | | | | | boxes |
| | | | | • | Working with Columns |
| | | | | • | Working with Building |
| | | | | | Blocks |
| | | | | • | Creating a |
| | | | | | Presentation |
| | | | | • | Rearranging Text and |
| | | | | | Slides and Deleting |
| | | | | | Slides |
| 100 | | | | | |

| Adding Speaker Notes Running a Silde Show Adding Arimations Adding Transitions Adding Transitions Adding Footers and Headers Reviewing Previewing and Printing a Presentation Working with Silde Masters Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone-PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Columns and Rows Working with Columns and Rows Previewing and Formulas and Ranges Entering Simple Formulas and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Previewing with Date Functions Previewing and Printing a Workhog with Date Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Working with the PMT | Γ | 1 1 | |
|---|---|-----|--|
| Running a Slide Show Adding Transitions Adding Transitions Adding Tooters and Headers Reviewing Previewing and Printing a Presentation Working with Slide Masters Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animations to Graphics Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Excel Entering Simple Formulas and Formatting With Columns and Rows Working with Columns and Rames Eftiting Cell Content Working with Columns and Rames Entering Simple Formulas and Functions Previewing and Printing a Workook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions Using AutoFill | | | |
| Adding Footers and Headers Adding Footers and Headers Reviewing Previewing and Printing Previewing and Printing a Presentation Working with Slide Masters Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Columns and Ranges Entering Simple Formulas and Functions Previewing and Printing and P | | | |
| Adding Transitions Adding Footers and Headers Reviewing Previewing and Printing a Presentation Working with Slide Masters Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Applying Animation Timings Adding Video Compressing Pictures and Media Presentation Adding Video Capstone-PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Columns and Rows Editing Cell Content Working with Columns and Rows Entering Simple Formulas Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Freviewing Relative Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions Lising AutoFill Working with Date Functions Using AutoFill Working with Date Functions | | | _ |
| Adding Footers and Headers Reviewing , Previewing and Previewing and Printing and Presentation Working with Slide Masters Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone-PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Previewing Relative , Absolute and Mixed Cell References in Formulas Entering Functions Lising AutoFill Working with Date Functions Entering Functions Lising AutoFill Working with Date Functions Entering Functions Lising AutoFill Working with Date Functions | | | Adding Animations |
| Reviewing Previewing and Printing and Printing and Presentation Working with Slide Masters Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone-PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Formation and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Relative Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | Adding Transitions |
| Reviewing , Reviewing and Priving and Priving and Priving and Priving and Presentation working with Slide Masters in Inserting Graphics in Creating SmartArt Diagrams Applying Animations to Graphics in Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone PowerPoint: Prepare a Presentation PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Priving and Priving Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions Entering Functions Using AutoFill Working with Date Functions Entering Functions Using AutoFill Working with Date Functions Using AutoFill Working with Date Functions Using AutoFill Working with Date Functions | | | Adding Footers and |
| Previewing and Printing a Presentation Working with Slide Masters Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web Appl Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Columns and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Previewing References in Formulas Previewing References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| Previewing and Printing a Presentation Working with Slide Masters Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web Appl Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Columns and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Previewing References in Formulas Previewing References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | Reviewing , |
| Printing a Presentation Working with Slide Masters Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Formulas Entering Functions Using AutoFill | | | Previewing and |
| Working with Silde Masters Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Formulas an | | | |
| Masters Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Columns and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Entering Functions Previewing Televiewing Ladive Absolute and Mixed Cell References in Formulas Entering Functions Entering Functions Entering Functions Using AutoFill Working with Date Functions | | | Presentation |
| Inserting Graphics Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Entering Functions Entering Functions Using AutoFill Working with Date Functions | | | J |
| Creating SmartArt Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Columns and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Entering Functions Using AutoFill Working with Date Functions Using AutoFill Working with Date Functions | | | |
| Diagrams Applying Animations to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Columns and Ranges Entering Simple Formulas and Functions Previewing and Printing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| to Graphics Modifying Animation Timings Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing and Formatting Workhook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | Diagrams |
| Timings Adding Video Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Entering Functions Using AutoFill Working with Date Functions | | | to Graphics |
| Adding Video Compressing Pictures and Media Presenting Online Capstone-PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| Compressing Pictures and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions Using AutoFill Working with Date Functions | | | |
| and Media Presenting Online Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | _ |
| Capstone- PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Entering Functions Using AutoFill Working with Date Functions | | | |
| PowerPoint: Prepare a Presentation PowerPoint: Prepare a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Entering Functions Using AutoFill Working with Date Functions | | | Presenting Online |
| a Presentation Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Entering Functions Using AutoFill Working with Date Functions | | | Capstone- |
| Web Applications: Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | PowerPoint: Prepare |
| Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Entering Functions Using AutoFill Working with Date Functions | | | a Presentation |
| Working with the PowerPoint Web App Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Entering Functions Using AutoFill Working with Date Functions | | | Web Applications: |
| Understanding Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| Spreadsheets and Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | PowerPoint Web App |
| Excel Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Excel References Using AcutoFill Working with Date Functions | | | Understanding |
| Entering and Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| Formatting Data Editing Cell Content Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| Working with Columns and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| and Rows Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | Editing Cell Content |
| Working with Cells and Ranges Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| Entering Simple Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | Working with Cells |
| Formulas and Functions Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | - |
| Functions Previewing and Printing a Workbook Using Relative, Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| Previewing and Printing a Workbook Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| Printing a Workbook Using Relative, Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| Using Relative , Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| Absolute and Mixed Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | _ |
| Cell References in Formulas Entering Functions Using AutoFill Working with Date Functions | | | |
| Formulas • Entering Functions • Using AutoFill • Working with Date Functions | | | |
| Entering Functions Using AutoFill Working with Date Functions | | | |
| Using AutoFill Working with Date Functions | | | |
| Working with Date Functions | | | _ |
| Functions | | | _ |
| | | | |
| | | | |
| | | | |
| Financial Function | | | Financial Function |

| | | • | Formatting Cells and Ranges |
|--|--|---|--|
| | | • | Making a workbook |
| | | • | User-Friendly Using Flash Fill |
| | | • | Entering Formulas |
| | | | with Multiple |
| | | • | Calculations Fixing Error Values |
| | | • | Working With the IF |
| | | • | Logical Function Creating a Nested IF |
| | | | Function |
| | | • | Highlighting Cells with Conditional |
| | | | Formatting |
| | | • | Hiding Rows and Columns |
| | | • | Formatting a Worksheet for Printing |
| | | • | Creating a Chart |
| | | • | Moving and Resizing a Chart |
| | | • | Modifying a Chart |
| | | • | Creating an Exploded Pie Chart |
| | | • | Creating Column Pie |
| | | • | Creating a Line Chart |
| | | • | Editing Chart Data Inserting and |
| | | | Formatting Spark lines |
| | | • | Inserting and |
| | | • | Modifying Data Bars Capstone- Excel: |
| | | • | Create a Budget Web Applications: |
| | | • | Working with the |
| | | • | Excel Web App Understanding |
| | | | Database Concepts |
| | | • | Creating a Database Working in Datasheet |
| | | | View |
| | | • | Working with Fields and Properties in |
| | | • | Design View Modifying a Table |
| | | • | Structure Closing and Opening |
| | | | Objects and Databases |
| | | • | Creating Simple |
| | | | Queries, Forms and Reports |
| | | | . 1000110 |

| | | | | | | | Compacting and Repairing a Database Maintaining Database Records Working with Queries in Design View Sorting and Filtering Data Defining Table Relationships Creating a Multitable Query Adding Criteria to a Query Adding Multiple Criteria to Queries Creating a Calculated Field Using Functions in a Query Creating a Form Using The Form Wizard Modifying a Form's Design in Layout View Finding Data Using a Form Creating a Form Based on Related Tables Previewing and Printing Selected Form Records Creating a Report Using the Report Wizard Modifying a Report Using the Report Wizard Modifying a Report View Capstone-Access: Create a Database |
|-----------------------------|-------------|------|----|---|----|--|--|
| Confined Space Rescue | CSR01Y 4 | 100% | 0% | 8 | 10 | This module provided the learner with the necessary knowledge and skills for incidents involving victims that need to be searched for, and rescued from, incidents involving confined spaces. The module looked at the legislation around confined | Create a Database Throughout completion of this module, the following learning outcomes were achieved: Introduction and Legislation related to confined space rescue Discuss the appropriate legislation that is applicable to confined space. |

| |
|---------------------------------------|
| space work, o Discuss the value |
| detection of of support |
| dangerous services that may |
| conditions and be called to assist |
| ventilation of in the event of a |
| |
| confined spaces. confined space |
| There was also rescue. |
| focus on the use of • Definitions and |
| breathing terminonlogy |
| apparatus and o Provide a |
| patient definition for a |
| ' |
| |
| recovery. o Discuss the types |
| of confined |
| spaces. |
| o List and discuss |
| the factors that |
| contribute to the |
| reclassification of |
| a confined space. |
| |
| |
| different |
| components of a |
| confined space |
| entry permit |
| Dangers associated |
| with confined spaces |
| o Discuss the |
| |
| |
| manmade |
| hazards |
| associated with |
| incidents in |
| caves, mines, |
| sewers, ships and |
| vehicles, as well |
| |
| as common |
| industrial and |
| agricultural |
| confined spaces. |
| o List and discuss |
| the physical |
| hazards |
| associated with |
| |
| confined spaces. |
| o Discuss the |
| atmospheric |
| hazards |
| commonly found |
| in confined |
| spaces. |
| o Discuss the |
| |
| dangers |
| associated with |
| atmospheric |
| gases found in |
| confined spaces. |
| |
| · l |

| T | | |
|-----|-------|---|
| | | List and discuss |
| | | the properties of |
| | | the critical gases |
| | | that have to be |
| | | tested for during |
| | | the internal |
| | | monitoring of a |
| | | confined space. |
| | | |
| | | · . |
| | | rescue equipment |
| | | Discuss the |
| | | characteristics, |
| | | selection, uses, |
| | | advantages, |
| | | disadvantages and |
| | | safety aspects and |
| | | considerations of the |
| | | following: |
| | | Personal protective |
| | | equipment |
| | | High angle equipment |
| | | |
| | | |
| | | equipment |
| | | Retrieval equipment |
| | | Sensory equipment |
| | | Ventilation equipment |
| | | Lighting equipment |
| | | Patient packaging |
| | | equipment |
| | | o Discuss the |
| | | principles of |
| | | respiratory |
| | | protection in the |
| | | confined space |
| | | environment |
| | | 5. |
| | | o Discuss and demonstrate the |
| | | |
| | | correct use and maintenance of |
| | | |
| | | respiratory |
| | | protective |
| | | equipment. |
| | | o Discuss the |
| | | principles of |
| | | ventilation in a |
| | | confined space |
| | | rescue. |
| | | Classify confined |
| | | space retrieval |
| | | systems according |
| | | to: |
| | | Types |
| | | Advantages |
| | | |
| | | Disadvantages Line management |
| | | Line management |
| ı l | 1 | |

| ı | | | |
|---|-----|--|--|
| | | | Critically evaluate |
| | | | items of equipment |
| | | | for serviceability. |
| | | | Confined space |
| | | | rescue operations |
| | | | o Discuss the |
| | | | different roles |
| | | | played by rescue |
| | | | |
| | | | personnel in a |
| | | | confined space |
| | | | rescue. |
| | | | Be able to function |
| | | | as any member of |
| | | | a confined space |
| | | | rescue team |
| | | | member. |
| | | | Compile a plan for a |
| | | | confined space |
| | | | rescue incident. |
| | | | ○ Discuss an |
| | | | effective |
| | | | management plan |
| | | | using the principles |
| | | | of a confined space |
| | | | rescue. |
| | | | Plan, coordinate, |
| | | | and execute a |
| | | | |
| | | | confined space rescue. |
| | | | |
| | | | Explain survival |
| | | | priorities should |
| | | | you become |
| | | | separated from |
| | | | your supply lines |
| | | | Practical Skills |
| | | | Outcomes |
| | | | o Act in a safe |
| | | | manner during all |
| | | | confined space |
| | | | rescue training |
| | | | scenarios. |
| | | | o Correctly don and |
| | | | doff all PPE used |
| | | | for confined space |
| | | | rescue. |
| | | | Stage an area for |
| | | | all confined space |
| | | | rescue equipment |
| | | | |
| | | | during training. ○ Fulfil the role of |
| | | | |
| | | | each member |
| | | | within a confined |
| | | | space rescue |
| | | | team. |
| | | | Correctly monitor |
| | | | the conditions |
| | | | within a confined |
| | | | space. |
| | i I | | |
| | | | |

| Diagnostics 1 | EMC04Y | 100% | 0% | 6 | 12 | The purpose of | Demonstrate the correct use of the following as part of a confined space rescue scenario: SKED stretcher "Paraguard-type" stretcher Tripod Life lines Breathing apparatus Ropes Patient retrieval methods Assemble and operate a ventilation system. Inspect, prepare, package and store equipment. Demonstrate navigation in a confined space. Throughout completion of |
|---------------|--------|------|----|---|----|--|--|
| | 2 | | | | | Emergency Medical Care Diagnostics was to provide a practical basis related to emergency medical care and pathophysiology and trauma that can be applied when interviewing and examining patients. In Diagnostics, the student learnt how to obtain information from patients which will allow him/her to focus on a chief complaint. Further questioning and clinical examination will allow the student to arrive at a list of differential diagnoses. This list will contain a subset of the diseases and disorders that the student covered in the General | this module, the following learning outcomes were achieved: Patient Interaction and History Taking Discuss the importance of physical examination and history taking from the perspective of the pre-hospital emergency care professional and that of the patient. Describe the elements making up a comprehensive health history. List the components of the health history. Differentiate between subjective and objective data. Explain the importance of enquiring about personal and social histories. What is meant by the term |

| Dathalamenasadeda | | "rovious of assets as = " |
|-----------------------|---|-------------------------------------|
| Pathology module. | | "review of systems" |
| Accurate | | and what |
| assessment, | | significance does |
| examination and | | this have for you as |
| integration of | | a pre-hospital |
| various signs and | | practitioner. |
| symptoms will | 0 | Discuss the term |
| assist the student in | | 'Problem Based |
| reaching possible | | Approach' and |
| provisional | | explain how this |
| diagnoses, but also | | will be utilized |
| as it relates to | | during the patient |
| patient care and | | interview. |
| related decision- | 0 | Generate pertinent |
| making. The need | | questions to be |
| for treatment, the | | used during |
| type of treatment | | comprehensive |
| and the possible | | history taking. |
| complications of | | Provide an outline |
| treatment for any | | of your own |
| disease or disorder | | personal sequence |
| are impossible to | | for the |
| determine without | | comprehensive |
| suspecting that | | examination. |
| disease in the first | 0 | Explain the |
| place. The | | importance of |
| Diagnostic module | | comprehensive |
| assisted the | | and accurate |
| student in reaching | | record keeping. |
| these provisional | 0 | Discuss the |
| diagnoses. | | process of clinical |
| 9 | | reasoning. |
| | 0 | Explain how you |
| | | would prepare for a |
| | | patient interview. |
| | 0 | List the sequence |
| | | for an interview |
| | | and explain why it |
| | | is important to keep |
| | | to a set sequence. |
| | 0 | Discuss the seven |
| | | attributes of a |
| | | symptom. |
| | 0 | List and describe |
| | | the various |
| | | techniques a |
| | | skilled interviewer |
| | | may apply in order |
| | | to obtain a full and |
| | | accurate history from different |
| | | |
| | | groups / types of |
| | _ | patients. |
| | 0 | Fully discuss the issue of language |
| | | barriers and the |
| | | importance of |
| | | importanio di |
| | | |

| | 1 | | |
|--|---|--|---|
| | | | cultural |
| | | | competence. |
| | | | |
| | | | General Survey and |
| | | | Vital Signs |
| | | | Vital Olgris |
| | | | 5: " |
| | | | o Discuss the |
| | | | importance of |
| | | | assessing the |
| | | | patient's Body |
| | | | Mass and |
| | | | demonstrate how |
| | | | to calculate the |
| | | | BMI for a patient. |
| | | | ○ Explain how you as |
| | | | a practitioner |
| | | | would go about |
| | | | preparing to |
| | | | examine a patient. |
| | | | 12.6 |
| | | | |
| | | | components |
| | | | making up a |
| | | | general survey. |
| | | | List and discuss |
| | | | the measurement |
| | | | of vital signs. |
| | | | Demonstrate the |
| | | | assessment of vital |
| | | | signs. |
| | | | |
| | | | |
| | | | Skin. Hair and Nails |
| | | | Skin, Hair and Nails |
| | | | |
| | | | List the changes |
| | | | List the changes that are normally |
| | | | List the changes that are normally associated with |
| | | | List the changes that are normally associated with aging. |
| | | | List the changes that are normally associated with aging. Describe the |
| | | | List the changes that are normally associated with aging. Describe the common skin |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) system for |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) system for grading |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) system for grading protective |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) system for grading protective sunscreens. |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) system for grading protective sunscreens. Explain the |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) system for grading protective sunscreens. Explain the "ABCD" and the |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) system for grading protective sunscreens. Explain the "ABCD" and the "HARMM" |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) system for grading protective sunscreens. Explain the "ABCD" and the "HARMM" method of |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) system for grading protective sunscreens. Explain the "ABCD" and the "HARMM" method of differentiating |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) system for grading protective sunscreens. Explain the "ABCD" and the "HARMM" method of |
| | | | List the changes that are normally associated with aging. Describe the common skin lesions that are associated with aging. List the common causes for generalized itching without an obvious reason. Explain the (SPF) system for grading protective sunscreens. Explain the "ABCD" and the "HARMM" method of differentiating |

| malignant melanoma. Discuss the causes of central cyanosis vs. peripheral cyanosis. Explain how you would go about evaluating a bedbound patient for pressure sores. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Discussion the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell Carcinoma. | , | 1 | | | | |
|---|---|---|--|--|---|-------------------|
| Discuss the causes of central cyanosis vs. peripheral cyanosis vs. peripheral cyanosis. Explain how you would go about evaluating a bedbound patient for pressure sores. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basai Cell Carcinoma and Squamous Cell | | | | | | |
| causes of central cyanosis vs. peripheral cyanosis. Explain how you would go about evaluating a bed-bound pattent for pressure sores. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule papule and vesicle. Explain in the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Cafe-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | melanoma. |
| cyanosis vs. peripheral cyanosis. Explain how you would go about evaluating a bedbound patient for pressure sores. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Cafe-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | 0 | Discuss the |
| cyanosis vs. peripheral cyanosis. Explain how you would go about evaluating a bedbound patient for pressure sores. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Cafe-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | causes of central |
| peripheral cyanosis. Explain how you would go about evaluating a bed-bound patient for pressure sores. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain how one would differentiate between a macule, papule and vesicle. Explain thow one would ifferentiate between a service provided in the suppearance and cause of the following skin changes associated with metanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actimic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | cvanosis vs. |
| oyanosis. Explain how you would go about evaluating a bed-bound patient for pressure sores. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcers. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell Sasal Cell Carcinoma and Squamous Cell | | | | | | |
| Explain how you would go about evaluating a bed-bound patient for pressure sores. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and you would use to assess vascular and significance of Actinic Keratosis, Basal Cell Carenoma and Squamous Cell | | | | | | |
| would go about evaluating a bed- bound patient for pressure sores. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma us | | | | | 0 | |
| evaluating a bed- bound patient for pressure sores. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | O | |
| bound patient for pressure sores. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| pressure sorces. List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| List the risk factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| factors for the development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| development of pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lalt Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | 0 | |
| pressure ulcers and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to asses vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| and mention the stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | development of |
| stages of a pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Cafe-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | pressure ulcers |
| pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Cafe-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | and mention the |
| pressure ulcer. Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Cafe-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | stages of a |
| Explain what the characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| characteristics you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vittligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | 0 | |
| you would check for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | - | |
| for when assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| assessing a lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| lesion. Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| Explain how one would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| would differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | 0 | |
| differentiate between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Cafe-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | O | |
| between a macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| macule, papule and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| and vesicle. Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| Explain the appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| appearance and cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| cause of the following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | 0 | |
| following skin changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| changes associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | cause of the |
| associated with melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | following skin |
| melanin: Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | changes |
| Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | associated with |
| Tinea Versicolor Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | melanin: |
| Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| Café-Au-Lait Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | _ | Tinea Versicolor |
| Spots Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | _ | |
| Vitiligo List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | O | |
| List the criteria you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | _ | |
| you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | O | viungo |
| you would use to assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | liet the suitsuit |
| assess vascular and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | 0 | |
| and purpuric lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| lesions. Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| Describe the appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| appearance and significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | 0 | |
| significance of Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | appearance and |
| Actinic Keratosis, Basal Cell Carcinoma and Squamous Cell | | | | | | |
| Basal Cell Carcinoma and Squamous Cell | | | | | | Actinic Keratosis |
| Carcinoma and Squamous Cell | | | | | | |
| Squamous Cell | | | | | | |
| | | | | | | |
| Carcinoma. | | | | | | |
| | | | | | | Caronioma. |
| | | | | | | |

| Name and describe the types of skin lesions which occur with AIDS. Describe what the following disorders look like as well as their clinical significance: Mee's lines Beau's lines Terry's nails Clubbing Describe the features you would assess during examination of the patient's skin. Discuss and demonstrate the important areas of examination of the skin, hair and nails Head and Neck Describe how you would examine the structures in the structures in the head and neck region. Explain what type of questions you |
|--|
| occur with AIDS. Describe what the following disorders look like as well as their clinical significance: Mee's lines Beau's lines Terry's nails Clubbing Describe the features you would assess during examination of the patient's skin. Discuss and demonstrate the important areas of examination of the skin, hair and nails Head and Neck Describe how you would examine the structures in the head and neck region. Explain what type of questions you |
| disorders look like as well as their clinical significance: Mee's lines Beau's lines Terry's nails Clubbing Describe the features you would assess during examination of the patient's skin. Discuss and demonstrate the important areas of examination of the skin, hair and nails Head and Neck Describe how you would examine the structures in the head and neck region. Explain what type of questions you |
| clinical significance: Mee's lines Beau's lines Terry's nails Clubbing Describe the features you would assess during examination of the patient's skin. Discuss and demonstrate the important areas of examination of the skin, hair and nails Head and Neck Describe how you would examine the structures in the head and neck region. Explain what type of questions you |
| Beau's lines Terry's nails Clubbing Describe the features you would assess during examination of the patient's skin. Discuss and demonstrate the important areas of examination of the skin, hair and nails Head and Neck Describe how you would examine the structures in the head and neck region. Explain what type of questions you |
| Clubbing Describe the features you would assess during examination of the patient's skin. Discuss and demonstrate the important areas of examination of the skin, hair and nails Head and Neck Describe how you would examine the structures in the head and neck region. Explain what type of questions you |
| features you would assess during examination of the patient's skin. Discuss and demonstrate the important areas of examination of the skin, hair and nails Head and Neck Describe how you would examine the structures in the head and neck region. Explain what type of questions you |
| examination of the patient's skin. Discuss and demonstrate the important areas of examination of the skin, hair and nails Head and Neck Describe how you would examine the structures in the head and neck region. Explain what type of questions you |
| Discuss and demonstrate the important areas of examination of the skin, hair and nails Head and Neck Describe how you would examine the structures in the head and neck region. Explain what type of questions you |
| important areas of examination of the skin, hair and nails • Head and Neck • Describe how you would examine the structures in the head and neck region. • Explain what type of questions you |
| nails Head and Neck Describe how you would examine the structures in the head and neck region. Explain what type of questions you |
| Describe how you would examine the structures in the head and neck region. Explain what type of questions you |
| would examine the structures in the head and neck region. Explain what type of questions you |
| region. Explain what type of questions you |
| of questions you |
| could ask to try and |
| establish a possible cause for headaches. |
| o Provide a simple explanation of what |
| the following terms mean: |
| o Tinnitus o Diplopia |
| ScotomasVitreous floaters |
| o Myopia o Presbyopia |
| o Graves' disease o Mydriasis |
| o Tonic pupils |

| | <u> </u> | 1 | 1 | | NI (|
|-----|----------|---|-------------|---------|---------------------------------------|
| | | | | 0 | Nystagmus |
| | | | | 0 | "Tug test" |
| | | | | 0 | Explain how you |
| | | | | | would go about |
| | | | | | examining the optic |
| | | | | | disc and retina. |
| | | | | 0 | Explain how you |
| | | | | | would go about |
| | | | | | assessing and |
| | | | | | recording visual |
| | | | | | acuity using a |
| | | | | | Snellen chart. |
| | | | | 0 | Describe the effect |
| | | | | | that hypertension |
| | | | | | and diabetes may |
| | | | | | have on the normal |
| | | | | | retinal structures. |
| | | | | 0 | Explain normal |
| | | | | | "near reaction". |
| | | | | 0 | Explain in a logical |
| | | | | | sequence how you |
| | | | | | would go about |
| | | | | | using an |
| | | | | | ophthalmoscope to |
| | | | | | examine the eye of |
| | | | | | a seated patient. |
| | | | | 0 | Explain the |
| | | | | Ü | difference between |
| | | | | | a sensory neural |
| | | | | | hearing loss and a |
| | | | | | conductive hearing |
| | | | | | loss. |
| | | | | 0 | Discuss |
| | | | | O | abnormalities you |
| | | | | | may note in the |
| | | | | | head and neck |
| | | | | | region which may |
| | | | | | be associated with |
| | | | | | |
| | | | | _ | thyroid disorders. Explain how you |
| | | | | 0 | could clinically |
| | | | | | differentiate |
| | | | | | |
| | | | | | between a right nerve VI, IV and III |
| | | | | | - |
| | | | | | paralysis. |
| | | | | 0 | Describe and |
| | | | | | explain the clinical |
| | | | | | significance of a |
| | | | | | tophus. |
| | | | | 0 | Explain the |
| | | | | | pathophysiology |
| | | | | | behind a serous |
| | | | | | effusion seen when |
| | | | | | examining the |
| | | | | | eardrum. |
| | | | | 0 | How would you |
| | | | | | differentiate |
| | | | | | between otitis |
| | | | | | |
| 366 | | | RULES AND R | ECHI AT | TIONS 2024 |

| | | <u> </u> | |
|--|--|--------------|--------------------------------|
| | | | media and otitis |
| | | | externa? |
| | | 0 | Discuss how a |
| | | | patient with |
| | | | tonsillitis could |
| | | | present. |
| | | 0 | Discuss the |
| | | | significance of |
| | | | detecting a retinal |
| | | | detachment. |
| | | 0 | List the common |
| | | | forms of cancer |
| | | | which are |
| | | | associated with the |
| | | | head and neck |
| | | | region and |
| | | | structures. |
| | | _ | |
| | | 0 | |
| | | | |
| | | | important areas of |
| | | | examination of the |
| | | | head and neck |
| | | | |
| | | • T | horax and Lungs |
| | | | |
| | | 0 | List the common |
| | | | concerning |
| | | | symptoms that you |
| | | | may elicit during a |
| | | | heath history of the |
| | | | thorax and lungs. |
| | | 0 | Discuss the likely |
| | | | causes of chest |
| | | | pain and how |
| | | | investigating the |
| | | | type of pain may |
| | | | allow you to |
| | | | diagnose the |
| | | | possible cause. |
| | | | Explain how you |
| | | 0 | |
| | | | would go about investigating a |
| | | | |
| | | | · |
| | | | dyspnoea, |
| | | | coughing and |
| | | | haemoptysis. |
| | | 0 | Explain how you |
| | | | would differentiate |
| | | | between the |
| | | | following disorders |
| | | | all of which may |
| | | | result in a |
| | | | complaint of pain in |
| | | | the chest: |
| | | | |
| | | 0 | Angina pectoris |
| | | | |
| | | | |

| • | | | | |
|---|--|--|-----|---------------------|
| | | | 0 | Myocardial |
| | | | | infarction |
| | | | 0 | Pericarditis |
| | | | 0 | Dissecting aortic |
| | | | O | aneurysm |
| | | | _ | Tracheo bronchitis |
| | | | 0 | |
| | | | 0 | Pleural pain |
| | | | 0 | Reflex |
| | | | | oesophagitis |
| | | | 0 | Diffuse |
| | | | | oesophageal |
| | | | | spasm |
| | | | 0 | Chest wall pain |
| | | | 0 | Anxiety |
| | | | | |
| | | | 0 | Explain how you |
| | | | | would differentiate |
| | | | | between the |
| | | | | following disorders |
| | | | | all of which may |
| | | | | result in a |
| | | | | complaint of |
| | | | | dyspnoea: |
| | | | | |
| | | | _ | Longaitio |
| | | | 0 | Laryngitis |
| | | | 0 | Tracheobronchitis |
| | | | 0 | Mycoplasma and |
| | | | | viral pneumonias |
| | | | 0 | Bacterial |
| | | | | pneumonias |
| | | | 0 | Post nasal drip |
| | | | 0 | Chronic bronchitis |
| | | | 0 | Bronchiectasis |
| | | | 0 | Pulmonary |
| | | | O | tuberculosis |
| | | | _ | Lung abscess |
| | | | 0 | Asthma |
| | | | 0 | |
| | | | 0 | Gastric reflux |
| | | | 0 | Neoplasm / cancer |
| | | | | of the lung |
| | | | 0 | LVF / mitral |
| | | | | stenosis |
| | | | 0 | Pulmonary emboli |
| | | | 0 | Inhaled irritants |
| | | | 0 | Discuss the |
| | | | Ü | various lung |
| | | | | sounds and their |
| | | | | |
| | | | | causes. |
| | | | 0 | Discuss and |
| | | | | demonstrate the |
| | | | | important areas of |
| | | | | examination of the |
| | | | | thorax and lungs. |
| | | | | ŭ |
| | | | • C | ardiovascular |
| | | | | |
| | | | 3 | ystem |
| | | | | |
| | | | | |

| , | | | | |
|---|---|------|---|---------------------|
| | | | 0 | Discuss and |
| | | | | describe the |
| | | | | anatomy and |
| | | | | physiology of the |
| | | | | cardiovascular |
| | | | | |
| | | | | system. |
| | | | 0 | Discuss events in |
| | | | | the cardiac cycle |
| | | | | with reference to |
| | | | | the heart sounds |
| | | | | heard on |
| | | | | auscultation. |
| | | | 0 | Explain the |
| | | | Ü | phenomenon of |
| | | | | splitting of the |
| | | | | |
| | | | | heart sounds. |
| | | | 0 | Explain how you |
| | | | | would measure |
| | | | | jugular venous |
| | | | | pressure as well |
| | | | | as its significance |
| | | | | to you as a |
| | | | | practitioner. |
| | | | 0 | Mention the |
| | | | O | |
| | | | | common |
| | | | | cardiovascular |
| | | | | changes that are |
| | | | | associated with |
| | | | | aging. |
| | | | 0 | Discuss the |
| | | | | common |
| | | | | symptoms that |
| | | | | patients will |
| | | | | • |
| | | | | complain of and |
| | | | | which relate to |
| | | | | cardiovascular |
| | | | | disorders. |
| | | | 0 | Discuss the |
| | | | | important topics |
| | | | | you would cover |
| | | | | in health |
| | | | | promotion and |
| | | | | counselling for |
| | | | | |
| | | | | patients with a |
| | | | | family history of |
| | | | | cardiovascular |
| | | | | disease. |
| | | | 0 | Explain in a |
| | | | - | chronological |
| | | | | sequence how |
| | | | | • |
| | | | | you would go |
| | | | | about assessing |
| | | | | the |
| | | | | cardiovascular |
| | | | | status of a |
| | | | | patient. |
| | | | | • |
| | | | | |
| | L | | | |

| | | | • | Breast and Axilla |
|-----|--|-------------|-----------|--|
| | | | 0 | Discuss and describe the |
| | | | | anatomy and physiology of the female breast. |
| | | | 0 | Explain the common or concerning |
| | | | | symptoms patients may |
| | | | | complain of and which are associated with |
| | | | 0 | the breast. Discuss the issue |
| | | | | of breast cancer and the importance of |
| | | | 0 | screening. Talking about and examining a |
| | | | | women's breasts may elicit feelings of |
| | | | | embarrassment for the patient and / or inexperienced |
| | | | | practitioner; explain how you would manage |
| | | | 0 | this. Discuss and |
| | | | | describe the anatomy and physiological |
| | | | | changes of the female during |
| | | | 0 | pregnancy. Explain the common or |
| | | | | concerning symptoms patients may |
| | | | | complain of and which are associated with |
| | | | 0 | pregnancy. Discuss the |
| | | | | techniques of examination of a pregnant female |
| | | | | Explain how you assess the foetal heart rhythm and |
| | | | , | what is the importance of this |
| 370 | | RULES AND R | EGULATION | ONS 2024 |

| | | during the |
|--|---|---|
| | | trimesters ○ Talking about and |
| | | examining a |
| | | pregnant female |
| | | may elicit feelings of embarrassment |
| | | for the patient and / |
| | | or inexperienced |
| | | practitioner; |
| | | explain how you would manage this. |
| | | - |
| | • | The Abdomen |
| | | List the common or |
| | | concerning symptoms that |
| | | patients may |
| | | complain about |
| | | which relate to the gastrointestinal, |
| | | urinary and / or |
| | | renal systems. |
| | | Apply knowledge of the |
| | | pathophysiology, |
| | | signs and |
| | | symptoms of the following common |
| | | disorder in order to |
| | | differentiate |
| | | between them: |
| | | Peptic Ulcers and dyspepsia |
| | | Cancer of the |
| | | stomach |
| | | Acute PancreatitisChronic |
| | | Pancreatitis |
| | | Cancer of the Pancreas |
| | | Biliary Colic |
| | | Acute Cholecystitis |
| | | Acute Diverticulitis Acute appendicitis |
| | | Acute appendicitisIntestinal |
| | | obstruction |
| | | Mesenteric Ischemia |
| | | Apply knowledge |
| | | of the |
| | | pathophysiology, |
| | | signs and symptoms of the |
| | | |

| | | following common |
|--|--|---|
| | | disorder resulting |
| | | in dysphagia in |
| | | order to |
| | | differentiate |
| | | between them. |
| | | Classify diarrhoea |
| | | according to the |
| | | |
| | | • |
| | | secretory or |
| | | inflammatory in |
| | | nature. |
| | | Discuss the |
| | | possible causes for |
| | | black or bloody |
| | | stools, the |
| | | corresponding |
| | | pathophysiology |
| | | including the signs |
| | | and symptoms. |
| | | |
| | | o Discuss and |
| | | demonstrate the |
| | | important areas of |
| | | examination of the |
| | | abdomen |
| | | |
| | | The Male Genitalia |
| | | and Hernias |
| | | and Hermae |
| | | - Diaguas the |
| | | o Discuss the |
| | | common |
| | | concerning |
| | | symptoms patient |
| | | may present with |
| | | rolating to the male |
| | | relating to the male |
| | | relating to the male genitalia. |
| | | |
| | | genitalia. o Describe the |
| | | genitalia. o Describe the technique for |
| | | genitalia. o Describe the technique for examining the |
| | | genitalia. o Describe the technique for examining the penis. |
| | | genitalia. o Describe the technique for examining the penis. o Students and |
| | | genitalia. o Describe the technique for examining the penis. o Students and patients may feel |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal with this. |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal with this. Explain how a |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal with this. |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal with this. Explain how a |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal with this. Explain how a hernia may form. |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal with this. Explain how a |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal with this. Explain how a hernia may form. |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal with this. Explain how a hernia may form. The Female Genitalia Describe the |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal with this. Explain how a hernia may form. The Female Genitalia Describe the normal female |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal with this. Explain how a hernia may form. The Female Genitalia Describe the normal female anatomy of this |
| | | genitalia. Describe the technique for examining the penis. Students and patients may feel uneasy about examining the penis; explain how you would deal with this. Explain how a hernia may form. The Female Genitalia Describe the normal female |

| <u> </u> | | |
|----------|---|---|
| | | o Explain what |
| | | changes may |
| | | occur with aging. |
| | | List the common |
| | | and concerning |
| | | symptoms a |
| | | patient may |
| | | present with |
| | | |
| | | relating to the |
| | | female genitalia. |
| | | o Discuss health |
| | | promotion and |
| | | counselling relating |
| | | to the female |
| | | genitalia. |
| | | List and describe |
| | | the important areas |
| | | that should be |
| | | examined. |
| | | |
| | | o Discuss how you |
| | | may deal with the |
| | | possible difficulty in |
| | | managing this type |
| | | of examination, |
| | | particularly from a |
| | | patient-practitioner |
| | | communication |
| | | point of view. |
| | | point of view. |
| | | |
| | | • The Anus, Rectum |
| | | and Prostate |
| | | |
| | | o Describe the |
| | | changes that may |
| | | occur with aging |
| | | |
| | | o List and explain the |
| | | common or |
| | | concerning |
| | | symptoms patients |
| | | may present with |
| | | Discuss the issue |
| | | of prostate cancer |
| | | with reference to |
| | | the |
| | | |
| | | pathophysiology as |
| | | well as screening |
| | | |
| | | The Older Adult |
| | | |
| | | o Discuss the |
| i I | | |
| | | |
| | | changes occurring |
| | | during aging in the |
| | | during aging in the Anatomy and |
| | | during aging in the |
| | | during aging in the Anatomy and |
| | | during aging in the Anatomy and Physiology of the |
| | | during aging in the Anatomy and Physiology of the aging adult. Discuss the |
| | | during aging in the Anatomy and Physiology of the aging adult. |

| 1 | | 1 | T | | |
|---|-------------|---|---|------|----------------------|
| | | | | | approach to this |
| | | | | | patient during the |
| | | | | | history taking and |
| | | | | | the physical |
| | | | | | assessment |
| | | | | 0 | Discuss the special |
| | | | | | areas of concern |
| | | | | | when assessing |
| | | | | | common or |
| | | | | | concerning |
| | | | | | symptoms in the |
| | | | | | aging patient. |
| | | | | 0 | Discuss the |
| | | | | 0 | |
| | | | | | |
| | | | | | health promotion |
| | | | | | and counselling in |
| | | | | | the aging patient. |
| | | | | 0 | Discuss how your |
| | | | | | techniques of |
| | | | | | examination |
| | | | | | should be adapted |
| | | | | | in the case of the |
| | | | | | examination of an |
| | | | | | aging patient. |
| | | | | | |
| | | | | • Th | ne Peripheral |
| | | | | Va | scular System |
| | | | | | , |
| | | | | 0 | List and discuss |
| | | | | 0 | the common |
| | | | | | concerning |
| | | | | | symptoms patients |
| | | | | | may present with |
| | | | | | relating to the |
| | | | | | • |
| | | | | | peripheral vascular |
| | | | | | system. |
| | | | | 0 | Discuss the |
| | | | | | presentation and |
| | | | | | pathology of |
| | | | | | peripheral artery |
| | | | | | disease. |
| | | | | 0 | Explain methods of |
| | | | | | recording and |
| | | | | | documenting |
| | | | | | findings relating to |
| | | | | | a peripheral |
| | | | | | vascular |
| | | | | | examination. |
| | | | | 0 | Diagnose and |
| | | | | | differentiate |
| | | | | | between the |
| | | | | | various peripheral |
| | | | | | vascular disorders, |
| | | | | | specifically those |
| | | | | | that may create |
| | | | | | pain. |
| | | | | | |
| | | | | (| |
| | | | | 0 | Discuss the |
| | | | | 0 | |

| venous ic arterial cy by ention of: s on and ate the areas of on of the vascular |
|---|
| cy by ention of: s on and ate the areas of on of the |
| ention of: s on m and ate the areas of on of the |
| and ate the areas of on of the |
| and ate the areas of on of the |
| and ate the areas of on of the |
| and ate the areas of on of the |
| ate the areas of on of the |
| ate the areas of on of the |
| areas of on of the |
| on of the |
| vascular |
| |
| |
| 011-4-1 |
| -Skeletal |
| |
| the |
| uic |
| g |
| that |
| may |
| with to |
| skeletal |
| |
| health |
| |
| g for the |
| keletal |
| the |
| typically |
| d with |
| |
| hat signs |
| toms are |
| disorders |
| e pain in |
| und the |
| joints. |
| and |
| ate the areas of |
| on of the |
| keletal |
| |
| |
| System |
| the |
| and |
| of the |
| ystem. |
| |

| | 1 | 1 | 1 | | 1 | | - |
|------------------------|---------|------|----|---|---|--|--|
| | | | | | | | Explain the changes you may expect associated with aging. List and discuss the common concerning symptoms patients may present with that are associated with the nervous system. List and discuss important areas of the nervous system assessment. Discuss and |
| | | | | | | | o Discuss and differentiate between the disorders of mood, speech and anxiety. |
| | | | | | | | Explain how to differentiate between delirium and dementia. |
| | | | | | | | Discuss and differentiate between various syncope, seizure and similar |
| | | | | | | | disorders. o Describe and name the common disorders of movement. |
| | | | | | | | Describe and name the common disorders of muscle tone, gait and posture. Differentiate |
| | | | | | | | between structural and metabolic coma. o Discuss and |
| | | | | | | | demonstrate the important areas of examination of the nervous system. |
| Disaster Management | DIS01Y4 | 100% | 0% | 7 | 4 | The purpose of this module was to teach the student about, and ensure competence in, the following | Throughout completion of this module, the following learning outcomes were achieved: |
| 276 | | | | | | DI II ES AND D | |

| | components of disaster management: Introduction to disaster management in South Africa Risk of disasters Apathy towards disasters Planning for disasters Different types of disaster situations Communication during disasters Resource management Incident command systems Triage Public and media management | Demonstrate an understanding of the various role players and legislation pertaining to disaster management in South Africa. RISKS OF DISASTERS Discuss the reasons for the increase in the risk of disasters. Explain some of the methods that can be used to gain accurate information about past disasters. APATHY TOWARDS DISASTERS Discuss the reasons for public and governmental apathy towards disasters. Explain why it is important to plan for what is likely to occur in a disaster situation. |
|--|---|---|
| | | important to plan for what is likely to occur in a |
| | | Explain the relevance of designing a disaster plan that can be utilized in routine emergencies. |
| | | Discuss various methods that may be used to reduce apathy towards disasters. |
| | | PLANNING FOR DISASTERS |

| | | 0 | Discuss why it is important for training to accompany a disaster plan. |
|--|--|----|--|
| | | 0 | Discuss the principles that must be considered in preparing a disaster plan. |
| | | 0 | Discuss the functions of a disaster planning committee. |
| | | 0 | Explain why it is relevant to consider human behaviour when designing your disaster plan. |
| | | 0 | Discuss the importance of inter-organizational planning for disaster situations. |
| | | 0 | Discuss the different types of support structures that are needed for a disaster plan. |
| | | 0 | Explain why it is important that those that are going to use the plan are familiar with it and accept it |
| | | OF | FERENT TYPES DISASTER UATIONS Define a disaster. |
| | | 0 | Briefly explain the different phases of a disaster. |
| | | 0 | Explain how you will plan to incorporate public and private |

| 1 | | |
|---|-----|--|
| | | organizations that do not usually play a part in routine emergencies into your disaster plan. |
| | | Discuss the importance of multi- organizational and multi-disciplinary coordination of the various responding participants. |
| | | Differentiate between a major incident and a disaster. |
| | | Define a multiple patient incident. |
| | | Define a multiple casualty incident. |
| | | Define a mass casualty incident. |
| | | COMMUNICATION DURING DISASTERS Discuss the relationship of communication to coordination in disasters. Explain the importance of "pre-incident" |
| | | communication for disasters. |
| | | Briefly discuss why standard terminology and procedures are needed for effective communication in disasters. |
| | | Explain the technical aspects of communication at disasters |
| 1 | 1 1 | |

| 1 | 1 | 1 | T | |
|---|---|---|---|---|
| | | | | RESOURCE MANAGEMENT Discuss the problems that can occur due to over- response in a disaster. |
| | | | | Explain the importance of multi-organizational resource management in disasters. |
| | | | | INCIDENT COMMAND SYSTEM Explain the Incident Command System. |
| | | | | Discuss the management of medical resources at a disaster. |
| | | | | Explain the functions of the following areas in a disaster: FCP |
| | | | | • CCS |
| | | | | ■ FAP |
| | | | | ■ CHA |
| | | | | TRIAGEDefine triage. |
| | | | | Discuss some of the problems that are associated with triage in disasters. |
| | | | | Explain the causes of these problems associated with triage. |
| | | | | Discuss ways in which one can improve triage in a disaster. |
| | | | | |

| Г | ī | 1 | T | ı | ı | T | |
|---------------------------|-------------|------|----|---|---|---|---|
| | | | | | | | Explain how the triage procedure works. |
| | | | | | | | List the responsibilities of the medical rescue team leader in a disaster situation. |
| | | | | | | | PUBLIC AND MEDIA MANAGEMENT Explain how you could go about warning the public of a disaster and discuss some of the problems you may encounter. |
| | | | | | | | Discuss the advantages and disadvantages of the media in a disaster. |
| | | | | | | | Briefly explain how the media operates in a disaster. |
| | | | | | | | Explain how one can improve the functioning of the media in a disaster. |
| Educational Techniques | EDT01Y 4 | 100% | 0% | 8 | 6 | Education and the study thereof is concerned with understanding development of people and how they learn throughout their lives. This subject was aimed at providing learners with the skills and knowledge required to effectively teach others. | Throughout completion of this module, the following learning outcomes were achieved: To plan, design, develop, implement, deliver and assess EMS related learning activities (both theory and practical skills teaching) in both classroom and authentic learning environments Demonstrate honest |
| | | | | | | | and insightful self- reflective assessment on your performance, and be able to |

| | 1 1 | | |
|-----|-----|----------------|--|
| | | | incorporate this into |
| | | | their teaching; |
| | | | Receive and give |
| | | | consistent positive feedback on formative |
| | | | and summative |
| | | | teaching activities. |
| | | | Establish the value |
| | | | and methods of |
| | | | continued reflection |
| | | | on professional |
| | | | practice. |
| | | | Establish the sharing |
| | | | of good practice, |
| | | | commitment to team |
| | | | work and search for |
| | | | continuous |
| | | | improvement in |
| | | | teaching and training.Demonstrate effective |
| | | | Demonstrate effective educational |
| | | | communication to |
| | | | students. |
| | | | Identify and evaluate |
| | | | theories, principles |
| | | | and methods of |
| | | | teaching and learning. |
| | | | • To demonstrate an |
| | | | understanding of how |
| | | | learners learn, the |
| | | | impact of individual |
| | | | differences, ways to |
| | | | assist the |
| | | | development of their responsibility for their |
| | | | own learning and |
| | | | professional |
| | | | competence. |
| | | | Develop and |
| | | | implement education |
| | | | and training in the |
| | | | context of EMC&R. |
| | | | Acquire skills as |
| | | | learning programme |
| | | | designers, educators, |
| | | | facilitators of learning, |
| | | | training and assessors, in the |
| | | | context of translating |
| | | | an understanding of |
| | | | educational theories |
| | | | into relevant learning |
| | | | experience in the field |
| | | | of EMC&R. |
| | | | Establish the value |
| | | | and methods of |
| | | | continued reflection |
| 382 | | DI II ES AND E | REGULATIONS 2024 |

| | | I | 1 | 1 | ı | | on professional |
|--|-------------|------|----|---|----|---|---|
| | | | | | | | on professional practice, including the commitment to team working, searching for continuous improvement in teaching and training, and sharing of good practice. Demonstrate effective educational communication. Identify and evaluate the underlying theories, principles and methods of teaching and learning. Demonstrate that you are competent in the design, implementation and evaluation of specific teaching and training programmes associated with Emergency Medical Care; Identify educational resources and design suitable materials to deliver learning programmes. Plan, conduct and moderate assessment and RPL. Develop and apply quality assurance to programmes. Demonstrate skills in verbal and non-verbal communication in an educational context. |
| Emergency Medical Care 1 Practical | EMC02Y 1 | 100% | 0% | 5 | 12 | The purpose of studying Emergency Medical Care I was that the student developed and demonstrated the following practical, foundational and reflective outcomes on the culmination of their learning activities: Manage the prehospital | Throughout completion of this module, the following learning outcomes were achieved: The need for an ordered, sequential approach to the emergency situation is clearly substantiated. Steps of the primary and secondary surveys are named and arranged in the correct sequence. |
| 383 | | | | | | | REGULATIONS 2024 |

| scene and patient, solve clinical problems and apply theoretical understanding of emergency medical care in the effective assessment and treatment of medical emergencies at an introductory level and with reference to the specific systems and disorders included in Emergency Medical Care I. Justify all interventions and omissions related to prehospital emergency patient and scene assessment and treatment based on application of theoretical principles of pratient and scene assessment, disease processes and Emergency Medical Service systems. Innovate and apply knowledge in new contexts as well as make decisions, think strategically, Management of the listed medical emergencies are related to current best practice. The common causes of aim described. The common free of the patient and scene assessment, disease and Emergency Medical Service systems. Innovate and apply knowledge in new contexts as well as make decisions, think strategically, Management of the strategies are maded and any postarior described. The common cause and appropriate strategies are related to current best practice. The common cause of cardiovascular emergencies are named and management strategies are maded and any postarior described. | | 1 | | 1 | | | |
|---|--|---|--|---|--|---|---|
| work effectively emergencies are as part of a described and team. | | | | • | patient, solve clinical problems and apply theoretical understanding of emergency medical care in the effective assessment and treatment of medical emergencies at an introductory level and with reference to the specific systems and disorders included in Emergency Medical Care I. Justify all interventions and omissions related to prehospital emergency patient and scene assessment and treatment based on application of theoretical principles of patient and scene assessment, disease processes and Emergency Medical Service systems. Innovate and apply knowledge in new contexts as well as make decisions, think strategically, organise and work effectively as part of a | • | emergency is described. The common causes of airway obstruction in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant respiratory emergencies are named and management strategies are described. Management of the listed medical emergencies are described and appropriate strategies are related to current best practice. The common causes of cardiovascular illness and injury in both trauma and nontrauma emergencies are named and management strategies are relevant cardiovascular emergencies are named and management strategies are described. The common pathophysiologys of the relevant cardiovascular emergencies are named and management strategies are described. Management of the listed cardiovascular emergencies are described and appropriate strategies |
| | | | | | | | are related to current |

| | T | | | |
|-----|---|--|----------------|---------------------------------------|
| | | | | The common causes |
| | | | | of central nervous |
| | | | | system illness and |
| | | | | injury in both trauma |
| | | | | and non-trauma |
| | | | | emergencies are |
| | | | | named and |
| | | | | management |
| | | | | strategies are |
| | | | | described. |
| | | | | • The common |
| | | | | pathophysiologys of |
| | | | | the relevant central |
| | | | | nervous system |
| | | | | emergencies are |
| | | | | named and |
| | | | | |
| | | | | management |
| | | | | strategies are |
| | | | | described. |
| | | | | Management of the |
| | | | | listed central nervous |
| | | | | system emergencies |
| | | | | are described and |
| | | | | appropriate strategies |
| | | | | are related to current |
| | | | | best practice. |
| | | | | The common causes |
| | | | | of endocrine illness |
| | | | | and injury in both |
| | | | | trauma and non- |
| | | | | trauma emergencies |
| | | | | are named and |
| | | | | management |
| | | | | |
| | | | | |
| | | | | described. |
| | | | | • The common |
| | | | | pathophysiologys of |
| | | | | the relevant endocrine |
| | | | | emergencies are |
| | | | | named and |
| | | | | management |
| | | | | strategies are |
| | | | | described. |
| | | | | Management of the |
| | | | | listed endocrine |
| | | | | emergencies are |
| | | | | described and |
| | | | | appropriate strategies |
| | | | | are related to current |
| | | | | best practice. |
| | | | | The common causes |
| | | | | of skin and soft tissue |
| | | | | |
| | | | | illness and injury in |
| | | | | both trauma and non- |
| | | | | trauma emergencies |
| | | | | are named and |
| | | | | management |
| 385 | | | DI II ES AND D | =GULATIONS 2024 |

| strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are related to current strategies are described. The common causes of musculoskeletal emergencies are described. The common strategies are described. The management strategies are described. Management of the listed musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the site of musculoskeletal emergencies are described. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant gastrointestinal tract | | | | | | |
|--|----------|--|---|--|---|-----------------------|
| The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogential illness and injury in both trauma and non-trauma emergencies are named and management strategies are related to current best practice. The common causes of gastrointestinal tract and urogential illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant events are common events are comm | | | | | | strategies are |
| pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. • The common pathophysiologys of the management strategies are described and appropriate strategies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are ramed and management strategies are neamed and management strategies are described. • The common causes of gastrointestinal stract and urogenital stra | | | | | | |
| the relevant skin and soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. • Management of the listed musculoskeletal emergencies are named and management strategies are related to current best practice. • Management of the listed musculoskeletal emergencies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma emergencies are named and management strategies are described. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | | • | |
| soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. • Management of the listed musculoskeletal emergencies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogental illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common causes of gastrointestinal tract and urogental illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | | | pathophysiologys of |
| emergencies are named and management strategies described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are described. The common causes of gastrointestinal tract and urogenital liness and injury in both trauma and nontrauma emergencies are named and management strategies are described. | | | | | | the relevant skin and |
| named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. • The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. • Management of the listed musculoskeletal emergencies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are named and management strategies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | | | soft tissue |
| management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are named and management strategies are named and management strategies are described. | | | | | | emergencies are |
| strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are named and management strategies are named and management strategies are described. | | | | | | named and |
| strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are named and management strategies are named and management strategies are described. | | | | | | management |
| described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are named and management strategies are named and management strategies are described. The common pathophysiologys of the relevant strategies are described. | | | | | | |
| Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are med and anagement strategies are described. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are med and management strategies are described. | | | | | | |
| listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common causes of the relevant musculoskeletal emergencies are named and management strategies are named and management strategies are described. • Management of the listed musculoskeletal emergencies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common causes | | | | | • | |
| tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant of the relevant strategies are described. | | | | | | |
| are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. | | | | | | |
| appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are named and management strategies are described. The common causes of gastrointestinal tract and urogenital silness and injury in both trauma and nontrauma emergencies are named and management strategies are described. | | | | | | • |
| are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma mergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are named and management strategies are named and management strategies are described. | | | | | | |
| The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontraume mergencies are named and management strategies are named and management strategies are described. The common pathophysiologys of the relevant relevant | | | | | | |
| of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma memergencies are named and management strategies are named and management strategies are described. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma memergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | | _ | |
| illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | • | |
| both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | | | |
| trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| are named and management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| management strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | _ |
| strategies are described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| described. The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| The common pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| pathophysiologys of the relevant musculoskeletal emergencies are named and management strategies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | | | |
| the relevant musculoskeletal emergencies are named and management strategies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | | • | The common |
| musculoskeletal emergencies are named and management strategies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non- trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | | | pathophysiologys of |
| emergencies are named and management strategies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | | | the relevant |
| named and management strategies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | | | musculoskeletal |
| named and management strategies are described. • Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. • The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | | | emergencies are |
| strategies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | <u> </u> |
| strategies are described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | management |
| described. Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| Management of the listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| listed musculoskeletal emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | • | Management of the |
| emergencies are described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| described and appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| appropriate strategies are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | • |
| are related to current best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| best practice. The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| The common causes of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| of gastrointestinal tract and urogenital illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | _ | |
| tract and urogenital illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | 9 |
| both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| are named and management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| management strategies are described. The common pathophysiologys of the relevant | | | | | | |
| strategies are described. The common pathophysiologys of the relevant | | | | | | |
| described. The common pathophysiologys of the relevant | | | | | | |
| • The common pathophysiologys of the relevant | | | | | | |
| pathophysiologys of the relevant | | | | | | described. |
| the relevant | | | | | • | The common |
| the relevant | | | | | | pathophysiologys of |
| | | | | | | |
| | | | | | | |
| | <u> </u> | <u>. </u> | 1 | | | |

| | | and urogenital |
|--|--|---|
| | | emergencies are |
| | | named and |
| | | management |
| | | strategies are described. |
| | | |
| | | Management of the listed gestraintesting! |
| | | listed gastrointestinal |
| | | tract and urogenital |
| | | emergencies are described and |
| | | |
| | | appropriate strategies are related to current |
| | | |
| | | best practice. |
| | | The common causes of obstetrics and |
| | | |
| | | gynaecological illness and injury in both |
| | | trauma and non- |
| | | trauma emergencies |
| | | are named and |
| | | management |
| | | strategies are |
| | | described. |
| | | • The common |
| | | pathophysiologys of |
| | | the relevant obstetrics |
| | | and gynaecological |
| | | emergencies are |
| | | named and |
| | | management |
| | | strategies are |
| | | described. |
| | | Management of the |
| | | listed obstetrics and |
| | | gynaecological |
| | | emergencies are |
| | | described and |
| | | appropriate strategies |
| | | are related to current |
| | | best practice. |
| | | The common causes |
| | | of poisoning |
| | | emergencies and |
| | | relevant bites and |
| | | stings are named and |
| | | management |
| | | strategies are |
| | | described. |
| | | • The common |
| | | pathophysiologys of |
| | | the relevant poisoning |
| | | emergencies and |
| | | relevant bites and |
| | | stings are named and |
| | | management |
| | | |

| | | | | | | | otrotogica |
|---------------------------------------|-------------|------|-----|---|----|--|---|
| | FMCC4V | 100% | 00/ | F | 24 | The | strategies are described. Management of the listed poisoning emergencies and relevant bites and stings are described and appropriate strategies are related to current best practice. |
| Emergency Medical Care 1 Theory | EMC01Y 1 | 100% | 0% | 5 | 24 | The purpose of studying Emergency Medical Care I was that the student developed and demonstrated a number of practical, foundational and reflective outcomes on the culmination of their learning activities. Although this was a theoretical module, it was intimately linked to both the practical and clinical practice modules, therefore, this module focussed on the theoretical components required for the student to: • Manage the prehospital emergency scene and patient, solve clinical problems and apply theoretical understanding of emergency medical care in the effective assessment and treatment of medical emergencies at an introductory level and with reference to the specific systems and disorders included in | Throughout completion of this module, the following learning outcomes were achieved: The need for an ordered, sequential approach to the emergency situation is clearly substantiated. Steps of the primary and secondary surveys are named and arranged in the correct sequence. Each step previously defined is explained and any immediate emergency care necessary is described. The common causes of airway obstruction in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant respiratory emergencies are named and management strategies are described. Management of the listed medical emergencies are described and appropriate strategies are related to current best practice. The common causes of cardiovascular |

| | | Emergency Medical Care I. Justify all interventions and omissions related to pre- hospital emergency patient and scene assessment and treatment based on application of theoretical principles of patient and scene assessment, disease processes and Emergency Medical Service systems as detailed within the module Emergency Medical Care I. Innovate and apply knowledge in new contexts as well as make decisions, think strategically, organise and work effectively as part of a team as detailed within the module Emergency Medical Care I. | strategies are described. The common pathophysiologys of the relevant cardiovascular emergencies are named and management strategies are described. Management of the listed cardiovascular emergencies are described and appropriate strategies are related to current best practice. The common causes of central nervous system illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant central nervous system |
|--|--|---|---|
|--|--|---|---|

| strategies are described. The common pathophysiologys of the relevant endocrine emergencies are named and management strategies are described. Management of the listed endocrine emergencies are described and appropriate strategies are related to current best practice. The common causes of skin and soft tissue illness and injury in both trauma amd nontrauma emergencies are named and management strategies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and soft tissue emergencies are named. Management strategies are described. Management of the listed skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are related to current best practice. The common causes of musculoskeletal illness are named and management strategies are named and named and management strategies are named and named and management strategies are named and named named named named n | | | | |
|--|--|--|---|------------------------|
| The common pathophysiologys of the relevant endocrine emergencies are named and management strategies are described. Management of the listed endocrine emergencies are described and appropriate strategies are related to current best practice. The common causes of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are named and management strategies are named and management strategies are named and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are named and management strategies are described and appropriate strategies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant strategies are described. | | | | strategies are |
| pathophysiologys of the relevant endocrine emergencies are named and management strategies are described. • Management of the listed endocrine emergencies are described and appropriate strategies are related to current best practice. • The common causes of skin and soft tissue illiness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described and appropriate strategies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. | | | | |
| the relevant endocrine emergencies are named and management strategies are described. • Management of the listed endocrine emergencies are described and appropriate strategies are related to current best practice. • The common causes of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described. • Management of the listed skin and soft tissue emergencies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described are are named and management strategies are described are relevant trategies are described are described are described are relevant trategies are described are relevant trategies are described are descr | | | • | |
| emergencies are named and management strategies are described. Management of the listed endocrine emergencies are described and appropriate strategies are related to current best practice. The common causes of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. | | | | |
| named and management strategies are described. • Management of the listed endocrine emergencies are described and appropriate strategies are related to current best practice. • The common causes of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. • The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described and appropriate strategies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are named and management strategies are named and management strategies are described. | | | | |
| management strategies are described. Management of the listed endocrine emergencies are described and appropriate strategies are related to current best practice. The common causes of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are described and appropriate strategies are related to current best practice. The common causes of musculoskeltal illness and injury in both trauma and non-trauma emergencies are named and management strategies are related to current best practice. The common causes of musculoskeltal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant strategies are described. | | | | <u> </u> |
| strategies are described. Management of the listed endocrine emergencies are elated to current best practice. The common causes of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are named and management strategies are described. The common causes of tissue emergencies are named and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant trategies are described. | | | | |
| described. Management of the listed endocrine emergencies are described and appropriate strategies are related to current best practice. The common causes of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft the relevant skin and soft the relevant skin and soft with the relevant skin and soft and and management strategies are described. Management of the listed skin and soft tissue emergencies are described. Management of the listed skin and soft tissue emergencies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are and each and management strategies are and each and management strategies are described. The common pathophysiologys of the relevant strategies are described. | | | | |
| Management of the listed emotorine emergencies are described and appropriate strategies are related to current best practice. The common causes of skin and soft tissue illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and soft tissue emergencies are named and management strategies are described. Management of the relevant skin and soft tissue emergencies are described. Management of the listed skin and soft tissue emergencies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant the relev | | | | |
| listed endocrine emergencies are described and appropriate strategies are related to current best practice. • The common causes of skin and soft tissue illness and injury in both trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are named and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are aned and management strategies are described. • The common pathophysiologys of the relevant | | | | |
| emergencies are described and appropriate strategies are related to current best practice. • The common causes of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described. • Management of the listed skin and soft tissue emergencies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are named and management strategies are described. • The common pathophysiologys of the relevant | | | • | |
| described and appropriate strategies are related to current best practice. The common causes of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are reamed and management strategies are described. The common causes of musculoskeletal silness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| appropriate strategies are related to current best practice. The common causes of skin and soft tissue and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are related to current strategies are named and management strategies are described. | | | | emergencies are |
| are related to current best practice. The common causes of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described. Management of the listed skin and soft tissue emergencies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are named and management strategies are described. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | described and |
| best practice. The common causes of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described. Management of the listed skin and soft tissue emergencies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. | | | | appropriate strategies |
| The common causes of skin and soft tissue eillness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described. Management of the listed skin and soft tissue emergencies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are ramed and management strategies are described. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | are related to current |
| The common causes of skin and soft tissue eilliness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described. Management of the listed skin and soft tissue emergencies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common causes of musculoskeletal silness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | best practice. |
| of skin and soft tissue illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described. • Management of the listed skin and soft tissue emergencies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma emergencies are named and management strategies are described. • The common trauma and non trauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | • | |
| illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are related to the trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| are named and management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| management strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| strategies are described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| described. The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| The common pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| pathophysiologys of the relevant skin and soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | |
| the relevant skin and soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | |
| soft tissue emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | |
| emergencies are named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | |
| named and management strategies are described. • Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. • The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. • The common pathophysiologys of the relevant | | | | |
| management strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and non- trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | <u> </u> |
| strategies are described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| described. Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | = |
| Management of the listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| listed skin and soft tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| tissue emergencies are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | • | |
| are described and appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| appropriate strategies are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| are related to current best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| best practice. The common causes of musculoskeletal illness and injury in both trauma and nontrauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| The common causes of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| of musculoskeletal illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| illness and injury in both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | • | |
| both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | of musculoskeletal |
| both trauma and non-trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | illness and injury in |
| trauma emergencies are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| are named and management strategies are described. The common pathophysiologys of the relevant | | | | |
| management strategies are described. The common pathophysiologys of the relevant | | | | _ |
| strategies are described. The common pathophysiologys of the relevant | | | | |
| described. The common pathophysiologys of the relevant | | | | |
| • The common pathophysiologys of the relevant | | | | |
| pathophysiologys of the relevant | | | • | |
| the relevant | | | • | |
| | | | | |
| | | | | |
| | | | | |
| emergencies are | | | | |
| named and | | | | nameu and |

| | T T | 1 | |
|--|-----|---|-------------------------|
| | | | management |
| | | | strategies are |
| | | | described. |
| | | | Management of the |
| | | | listed musculoskeletal |
| | | | emergencies are |
| | | | |
| | | | described and |
| | | | appropriate strategies |
| | | | are related to current |
| | | | best practice. |
| | | | The common causes |
| | | | of gastrointestinal |
| | | | tract and urogenital |
| | | | illness and injury in |
| | | | |
| | | | both trauma and non- |
| | | | trauma emergencies |
| | | | are named and |
| | | | management |
| | | | strategies are |
| | | | described. |
| | | | • The common |
| | | | pathophysiologys of |
| | | | the relevant |
| | | | |
| | | | 9 |
| | | | and urogenital |
| | | | emergencies are |
| | | | named and |
| | | | management |
| | | | strategies are |
| | | | described. |
| | | | Management of the |
| | | | listed gastrointestinal |
| | | | _ |
| | | | tract and urogenital |
| | | | emergencies are |
| | | | described and |
| | | | appropriate strategies |
| | | | are related to current |
| | | | best practice. |
| | | | The common causes |
| | | | of obstetrics and |
| | | | gynaecological illness |
| | | | |
| | | | and injury in both |
| | | | trauma and non- |
| | | | trauma emergencies |
| | | | are named and |
| | | | management |
| | | | strategies are |
| | | | described. |
| | | | |
| | | | |
| | | | pathophysiologys of |
| | | | the relevant obstetrics |
| | | | and gynaecological |
| | | | emergencies are |
| | | | named and |
| | | | management |
| | | | strategies are |
| | | | described. |
| | | | described. |
| | | | |

| | | | | | | | Management of the integral a least time a least time |
|--------------|--------|------|----|---|---|---------------------------------|---|
| | | | | | | | listed obstetrics and gynaecological |
| | | | | | | | emergencies are |
| | | | | | | | described and |
| | | | | | | | appropriate strategies |
| | | | | | | | are related to current |
| | | | | | | | best practice. |
| | | | | | | | The common causes |
| | | | | | | | of poisoning |
| | | | | | | | emergencies and relevant bites and |
| | | | | | | | stings are named and |
| | | | | | | | management |
| | | | | | | | strategies are |
| | | | | | | | described. |
| | | | | | | | The common sthanbusiclesus of |
| | | | | | | | pathophysiologys of the relevant poisoning |
| | | | | | | | emergencies and |
| | | | | | | | relevant bites and |
| | | | | | | | stings are named and |
| | | | | | | | management |
| | | | | | | | strategies are |
| | | | | | | | described. |
| | | | | | | | Management of the listed poisoning |
| | | | | | | | emergencies and |
| | | | | | | | relevant bites and |
| | | | | | | | stings are described |
| | | | | | | | and appropriate |
| | | | | | | | strategies are related to current best |
| | | | | | | | practice. |
| Emergency | EMC02Y | 100% | 0% | 6 | 6 | The Emergency | Throughout completion of |
| Medical Care | 2 | | | | | Medical Care II | this module, the following |
| 2 Practical | | | | | | Practical Module | learning outcomes were |
| | | | | | | dealt with practical | achieved: |
| | | | | | | application of theoretical | Advanced Airway |
| | | | | | | knowledge and | management |
| | | | | | | understanding of | o Perform an |
| | | | | | | emergency medical | adequate airway assessment |
| | | | | | | care practice in the | including |
| | | | | | | acute pre-hospital and casualty | predictors of |
| | | | | | | settings. On | difficulty for BVM |
| | | | | | | completion the | ventilation, |
| | | | | | | student should be | Laryngoscope, |
| | | | | | | able to integrate | EGD placement and ventilation |
| | | | | | | their understanding | and SCT. |
| | | | | | | of anatomy, physiology, | Perform an Oral |
| | | | | | | pathology, | Endotracheal |
| | | | | | | professional | intubation |
| | | | | | | practice to patient | Perform an Oral Endotracheal |
| | | | | | | care in order to | intubation with |
| | | | | | | manage simple | |

| | cases. This module | | the use of a |
|--|------------------------|----------|---------------------------|
| | also aimed to equip | | bougie |
| | the student with the | 0 | Perform an Oral |
| | ability to confidently | | Endotracheal |
| | and professionally | | intubation with |
| | interact with | | the use of an |
| | | | introducer, stylet |
| | patients, make | | |
| | accurate diagnoses | | or a Magill's |
| | and to start to make | | forceps. |
| | sound clinical | 0 | Perform an Oral |
| | judgments that | | Endotracheal |
| | informs and | | intubation with |
| | validates decisions | | the use of an |
| | regarding patient | | alternative |
| | care and treatment. | | intubating device, |
| | | | such as an Airtrag |
| | | | optical |
| | | | laryngoscope or |
| | | | video |
| | | | |
| | | | laryngoscope |
| | | 0 | Confirm the |
| | | | placement of a |
| | | | ETT using any or |
| | | | all of the |
| | | | following: |
| | | | Coloumetric |
| | | | device, EDD, |
| | | | Capnometry and |
| | | | Capnography |
| | | 0 | Perform the |
| | | O | placement of |
| | | | various Extra |
| | | | Glottic Devices, |
| | | | |
| | | | |
| | | | following: |
| | | | King LT |
| | | | An |
| | | | orotracheal- |
| | | | oesophageal |
| | | | double lumen |
| | | | airway |
| | | | (Combitube® |
| | | | j |
| | | | <i>'</i> Laryngeal |
| | | | Mask Airway |
| | | | (especially |
| | | | LMA |
| | | | |
| | | | FastrachTM) |
| | | 0 | Perform the |
| | | | procedure of |
| | | | Tracheobronchial |
| | | | suctioning |
| | | • Ca | onography |
| | | 0 | |
| | | <u> </u> | a colourimetric |
| | | | capnometric |
| | | | device to: |
| | | | G0 100 to. |
| | | | |

| A hag-valve resuscitator A bag-valve resuscitator A hag-valve resuscitator An extragiottic airway device An oesophageal -tracheal tube (Combitube) A King Laryngeal Tube Correctly connect an in-line capnmeteric device oal tithe aforementioned devices. Correctly connect a side-stream capnometric device of a side-stream capnometric device on the control of the con | | | | | |
|--|---|---|-----|---|---|
| tube A bag-valve resuscitator An extraglottic airway device An oesophageal -tracheal tube (Combitube) A King Laryngeal Tube Correctly connect an in-line capnmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble an nebulisation device. Correctly assemble an nebulisation of correctly and nebulisation of correctly assemble an nebulisation of correctly assemble an nebulisation of correctly destination of correctly dentify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis. | | | | | ■ An |
| tube A bag-valve resuscitator An extraglottic airway device An oesophageal -tracheal tube (Combitube) A King Laryngeal Tube Correctly connect an in-line capnmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble an nebulisation device. Correctly assemble an nebulisation of correctly and nebulisation of correctly assemble an nebulisation of correctly assemble an nebulisation of correctly destination of correctly dentify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis. | | | | | endotracheal |
| A bag-valve resuscitator An extraglottic ariway device An oesophageal tracheal tube (Combitube) A King Laryngeal Tube Correctly connect an in-line capnmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly dentify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | |
| resuscitator An extraglottic airway device An oesophageal -tracheal tube (Combitube) A King Layngeal Tube Correctly connect an in-line capnmoteric device o all the aforementioned devices. Correctly connect a side-stream capnometric device (a side-stream capnometric device (b evice) Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device device Correctly assemble a nebulisation correctly assemble a nebulisation correctly assemble a nebulisation correctly assemble a nebulisation device beau correctly corr | | | | | |
| An extraglottic allway device An oesophageal -tracheal tube (Combitube) A King Laryngeal Tube Correctly connect an in-line capmoteric device to all the aforementioned devices. Correctly connect a side-stream capmetric device expendence of the content of th | | | | | |
| extraglottic ainway device An oesophageal -tracheal tube (Combitube) A Kingg Laryngeal Tube Correctly connect an in-line capmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctly connect a side-stream capnometric device Explain to the patient how to take a peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device and anishing the device. Correctly captility assemble and anishing the device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall proto to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | |
| aliway device An oesophageal -tracheal tube (Combitube) A King Laryngeal Tube Correctly connect an in-line capnmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device Correctly assemble a nebulisation device Correctly assemble a nebulisation device Correctly connect assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis. | | | | | |
| device An oesophageal -tracheal tube (Combitube) (Combitube) A King Laryngeal Tube Occretty connect an in-line capmoted device to all the aforementioned devices. Correctly connect a side-stream capmometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctty assemble a nebulisation device to administer beta-2 adrenergic medication. Correctty identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct | | | | | |
| An oesophageal -tracheal tube (Combitube) A King Laryngeal Tube Correctly connect an in-line capmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device with the aforementioned devices. Correctly connect a side-stream capnometric device with the aforement of the device. Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | |
| oesophageal -tracheal tube (Combitube) A King Laryngeal Tube Correctly connect an in-line capmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | device |
| -tracheal tube (Combitube) • A King Laryngeal Tube • Correctly connect an in-line capmoteric device to all the aforementioned devices. • Correctly connect a side-stream capnometric device device of a side-stream capnometric device. • Respiratory emergencies • Correctly assemble peak flow device. • Explain to the patient how to take a peak flow sample using the device. • Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. • Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. • Prepare area for needle thoracentesis using correct asseptic | | | | | ■ An |
| -tracheal tube (Combitube) • A King Laryngeal Tube • Correctly connect an in-line capmoteric device to all the aforementioned devices. • Correctly connect a side-stream capnometric device device of a side-stream capnometric device. • Respiratory emergencies • Correctly assemble peak flow device. • Explain to the patient how to take a peak flow sample using the device. • Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. • Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. • Prepare area for needle thoracentesis using correct asseptic | | | | | oesophageal |
| tube (Combitube) A King Laryngeal Tube Correctly connect an in-line capnmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctty assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | |
| (Combitube) A King Laryngeal Tube Correctly connect an in-line capnmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctty identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needelle thoracentesis using correct asseptic | | | | | |
| A King Laryngeal Tube Correctly connect an in-line capnmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly dentify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | |
| Laryngeal Tube Correctly connect an in-line capnmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device (e.g., capnometric device) Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis Prepare area for needle thoracentesis Using correct asseptic | | | | | |
| Tube Correctly connect an in-line capnmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | _ |
| o Correctly connect an in-line capnmoteric device to all the aforementioned devices. o Correctly connect a side-stream capnometric device exemple peak flow device. Respiratory emergencies o Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | |
| an in-line capnmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device e Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| capnmoteric device to all the aforementioned devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | |
| device to all the aforementioned devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly dentify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | |
| aforementioned devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | |
| devices. Correctly connect a side-stream capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly dentify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| Correctly connect a side-stream capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| a side-stream capnometric device • Respiratory emergencies | | | | | devices. |
| a side-stream capnometric device • Respiratory emergencies | | | | | Correctly connect |
| capnometric device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis. Prepare area for needle thoracentesis using correct asseptic | | | | | |
| device Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct | | | | | capnometric |
| Respiratory emergencies Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| emergencies | | | | | |
| Correctly assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| assemble peak flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| flow device. Explain to the patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | _ |
| © Explain to the patient how to take a peak flow sample using the device. © Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. © Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. © Prepare area for needle thoracentesis using correct aseptic | | | | | |
| patient how to take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| take a peak flow sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| sample using the device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| device. Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| Correctly assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | sample using the |
| assemble a nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| nebulisation device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| device to administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| administer beta-2 adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| adrenergic medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | administer beta-2 |
| medication. Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | adrenergic |
| Correctly identify anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| anatomical landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| landmarks on the chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| chest wall prior to performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | 1 | | | |
| performing a needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | 1 | 1 | I I | 1 | landmarke on the |
| needle thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | |
| thoracentesis. Prepare area for needle thoracentesis using correct aseptic | | | | | chest wall prior to |
| o Prepare area for needle thoracentesis using correct aseptic | | | | | chest wall prior to performing a |
| needle thoracentesis using correct aseptic | | | | | chest wall prior to performing a needle |
| thoracentesis using correct aseptic | | | | | chest wall prior to performing a needle thoracentesis. |
| using correct aseptic | | | | | chest wall prior to performing a needle thoracentesis. o Prepare area for |
| aseptic | | | | | chest wall prior to performing a needle thoracentesis. o Prepare area for needle |
| | | | | | chest wall prior to performing a needle thoracentesis. o Prepare area for needle thoracentesis |
| | | | | | chest wall prior to performing a needle thoracentesis. o Prepare area for needle thoracentesis using correct |
| | | | | | chest wall prior to performing a needle thoracentesis. o Prepare area for needle thoracentesis using correct aseptic |
| | | | | | chest wall prior to performing a needle thoracentesis. o Prepare area for needle thoracentesis using correct aseptic |

| | | | Correctly perform |
|-----|--|--------------|--|
| | | | a needle |
| | | | thoracentesis. |
| | | | • Suturing of a |
| | | | superficial wound |
| | | | Determine the |
| | | | need to perform |
| | | | sutures on a |
| | | | superficial |
| | | | wound. |
| | | | Identify the |
| | | | presenting wound |
| | | | anatomy. |
| | | | Correctly irrigate |
| | | | the wound with an |
| | | | appropriate |
| | | | irrigation device. |
| | | | o Remove |
| | | | identifiable |
| | | | foreign bodies |
| | | | from the wound |
| | | | using forceps. |
| | | | o Remove hair |
| | | | when necessary |
| | | | around wound to |
| | | | facilitate closure. |
| | | | Prepare a suture |
| | | | pack. |
| | | | Prepare the area |
| | | | to be sutured |
| | | | using sterile |
| | | | drapes. |
| | | | Correctly don a |
| | | | pair of sterile |
| | | | gloves. |
| | | | Anaesthetise the |
| | | | wound locally to |
| | | | alleviate pain |
| | | | during sutures. |
| | | | Correctly perform |
| | | | interrupted |
| | | | sutures and tie |
| | | | using square |
| | | | knots. |
| | | | Apply suitable |
| | | | dressing to |
| | | | sutured wound |
| | | | and affected |
| | | | area. |
| | | | Provide advice to |
| | | | a patient |
| | | | regarding post |
| | | | suture care. |
| | | | Intra-venous |
| | | | cannulation, fluid |
| | | | therapy and |
| | | | application of the |
| | | | PASG/MAST |
| | | | |
| 395 | | RUI ES AND R | REGULATIONS 2024 |

| - | I | , | 1 | T | | |
|----------|-------|----------|---|-------------|-----------|---------------------------------|
| | | | | | 0 | Identify possible |
| | | | | | | peripheral |
| | | | | | | venous access |
| | | | | | | sites on an adult |
| | | | | | | patient. |
| | | | | | 0 | Correctly clean |
| | | | | | | the likely venous |
| | | | | | | puncture site |
| | | | | | | using an aseptic |
| | | | | | | technique. |
| | | | | | 0 | Successfully |
| | | | | | | cannulate a |
| | | | | | | peripheral vein |
| | | | | | | using appropriate |
| | | | | | | cannula on an |
| | | | | | | adult patient. |
| | | | | | 0 | Correctly set-up |
| | | | | | | an intravenous |
| | | | | | | infusion |
| | | | | | | administration |
| | | | | | _ | set. |
| | | | | | 0 | Correctly connect and operate a |
| | | | | | | three-way |
| | | | | | | stopcock. |
| | | | | | 0 | Correctly secure |
| | | | | | O | an intravenous |
| | | | | | | line in situ. |
| | | | | | 0 | Demonstrate the |
| | | | | | | application of a |
| | | | | | | pneumatic anti- |
| | | | | | | shock garment. |
| | | | | | | (leg and pelvic |
| | | | | | | section) |
| | | | | | • Urii | nary |
| | | | | | cat | heterization |
| | | | | | 0 | Correctly identify |
| | | | | | | the anatomy of |
| | | | | | | the adult penis |
| | | | | | | and urinary |
| | | | | | | system. |
| | | | | | 0 | Correctly identify |
| | | | | | | the anatomy of |
| | | | | | | the adult vagina |
| | | | | | | and urinary |
| | | | | | | system. |
| | | | | | 0 | Adequately clean |
| | | | | | | and disinfect |
| | | | | | | applicable areas prior to |
| | | | | | | prior to catheterisation. |
| | | | | | ^ | Manage the |
| | | | | | 0 | sterile area using |
| | | | | | | the correct |
| | | | | | | techniques and |
| | | | | | | methods. |
| | | | | | 0 | Correctly pass a |
| | | | | | | urinary catheter |
| | | | | | | |
| 396 | • | | | RULES AND R | EGUI ATIO | ONS 2024 |

| ı | | | |
|---|--|--|--|
| | | | into an adult |
| | | | female patient. |
| | | | ○ Correctly pass a |
| | | | urinary catheter |
| | | | into an adult male |
| | | | |
| | | | patient. |
| | | | Secure the |
| | | | urinary catheter |
| | | | using the correct |
| | | | techniques to |
| | | | both an adult |
| | | | male and female. |
| | | | |
| | | | Connect a urine |
| | | | bag to a catheter. |
| | | | Monitor the urine |
| | | | output but |
| | | | identifying the |
| | | | volume and |
| | | | colour. |
| | | | |
| | | | Gastric |
| | | | catheterization |
| | | | Correctly identify the |
| | | | anatomy of the nose, |
| | | | mouth, oropharynx |
| | | | and nasopharynx. |
| | | | |
| | | | Adequately |
| | | | maintain sterility |
| | | | of equipment |
| | | | used for gastric |
| | | | catheterization. |
| | | | Correctly pass a |
| | | | naso-gastric |
| | | | catheter in an |
| | | | |
| | | | adult patient. |
| | | | Correctly pass an |
| | | | oro-gastric |
| | | | catheter in an |
| | | | adult patient. |
| | | | Secure the |
| | | | gastric catheter |
| | | | using the correct |
| | | | techniques an |
| | | | |
| | | | adult patient. |
| | | | Connect a urine |
| | | | bag to the |
| | | | catheter. |
| | | | Patient simulation |
| | | | assessment |
| | | | |
| | | | o On completion of |
| | | | this study unit and |
| | | | by completing the |
| | | | learning tasks, |
| | | | the student |
| | | | should be able to |
| | | | |
| | | | confidently and |
| | | | professionally |
| | | | interact with |
| | | | patients, assess |
| | | | |
| | | | |

| | | | | | | | | patients |
|----|-----------------------------------|-------------|------|----|---|----|--|---|
| | | | | | | | | comprehensively, make accurate diagnoses and make sound clinical judgments that informs and validates |
| | | | | | | | | decisions regarding patient care and treatment in the simulated environment. |
| Me | nergency edical Care Theory | EMC01Y 2 | 100% | 0% | 6 | 12 | The Emergency Medical Care II Theory Module dealt with theoretical knowledge and principles that underpin the provision of medical care in the acute pre-hospital and emergency department settings. On completion, the student should be able to answer reasonably complex questions regarding the science that underpin pre-hospital emergency care. The student should also start to integrate principles of anatomy, physiology, pathology, diagnostics and professional practice to patient care. This module also aimed to equip the student with the knowledge of how to confidently and professionally interact with patients, make accurate diagnoses and sound clinical judgments that | Throughout completion of this module, the following learning outcomes were achieved: • Airway management • Discuss airwayrelated anatomy and physiology that is vital in acute care of adult patients. • List and elaborate on the four main categories of indications for endotracheal intubation. • Discuss the need for non-invasive manoeuvres to maintain oxygenation and ventilation • Describe the importance of preoxygenation prior to endotracheal intubation. • List the clinical features that may indicate a patient is in respiratory failure. • Discuss the adaptation of Salkes' triangle when deciding to intubate a patient. • How can presenting system physiology in the adult patient have an effect on determining the correct |

| | informs and course of action when validates decisions deciding to intubate. |
|--|---|
| | regarding patient (i.e.: hypotension) |
| | Differentiate between the objective and subjective methods of confirmation of ETT placement or location. |
| | Compare the effectiveness of each of the devices used to confirm ETT |
| | placement. |
| | Identify the potential complications that are associated with the commercial and non-commercial equipment |
| | used to secure an endotracheal tube |
| | Provide an overview of the various filtration devices that can be attached to the ETT. |
| | Discuss the effects of bag-valve-tube-resuscitator (BVTR) ventilation and identify potential complications that may occur during the procedure. Explain the importance of non-invasive blood pressure (NiBP) monitoring pre- and post-intubation. Identify and describe all the potential complications of endotracheal intubation. |
| | Discuss the circumstances in which a patient may benefit |
| | from trachea-bronchial suctioning within the pre-hospital setting. |
| | List and briefly explain the pathophysiology of each of the potential |
| and the second s | |

| | | | | P. C. |
|-----|---|---|-------------------|------------------------|
| | | | | nplications |
| | | | | ociated with |
| | | | trac | chea- bronchial |
| | | | suc | tioning. |
| | | | • Dis | cuss the issue of |
| | | | | rility associated with |
| | | | | formance of |
| | | | | chea-bronchial |
| | | | | tioning. |
| | | | Suc | doming. |
| ı | | | • Diff | erentiate between a |
| | | | | icult airway' and a |
| | | | 'fail | |
| | | | | borate on each of |
| | | | | components under |
| | | | | ch definition. |
| | | | | |
| | | | | at are the dangers |
| | | | | ociated with multiple |
| | | | | bation attempts? |
| | | | | borate on the |
| | | | var | ious components of |
| | | | the | 'encountered |
| | | | diff | cult airway' |
| | | | alg | orithm. |
| | | | • Wh | |
| | | | | ctitioner decide to |
| | | | I - | an alternative, non- |
| | | | dire | |
| | | | | ibating technique? |
| | | | | onography |
| | | | | Review of the |
| | | | 0 | |
| | | | | normal physiology |
| | | | | of carbon dioxide |
| | | | | production and its |
| | | | | transportation |
| | | | | within the body |
| | | | | ntify the two main |
| | | | typ | es of capnographs; |
| | | | | lain how they work |
| | | | and | l what limitations |
| | | | ead | ch may have. |
| | | | | erentiate between |
| | | | | nography and |
| | | | | nometry |
| | | | | scribe the |
| | | | | plications and |
| | | | | tations of the |
| | | | | |
| | | | | nograph during |
| | | | | vay management |
| | | | and | |
| | | | | ients. |
| | | | • The | 9 |
| | | | and | basic anatomy of |
| | | | the | - |
| | | | | veform. |
| | | | | erpretation and |
| | | | | alyses of readings |
| | | | | l graphi waveforms. |
| | 1 | 1 | ₁ and | . J. 4P 114101011110. |
| 400 | | | RULES AND REGULAT | TIONS 2024 |

| | _ | | | |
|-----|---|--|-------------|---|
| | | | | Needle Thoracentesis |
| | | | | and Tension |
| | | | | pneumothorax |
| | | | | Review anatomical |
| | | | | and physiological |
| | | | | structures |
| | | | | relating to a |
| | | | | pneumothorax. |
| | | | | |
| | | | | Correctly define and |
| | | | | explain the |
| | | | | pathophysiology of a |
| | | | | tension pneumothorax. |
| | | | | (TPT) |
| | | | | Differentiate between |
| | | | | an 'evolving |
| | | | | pneumothorax' and a |
| | | | | 'tension |
| | | | | pneumothorax.' |
| | | | | • Explain the clinical |
| | | | | signs when diagnosing |
| | | | | a TPT in both awake |
| | | | | and ventilated patients. |
| | | | | Compare the previous |
| | | | | indications for a needle |
| | | | | thoracentesis with the |
| | | | | current indications. |
| | | | | • Elaborate on the |
| | | | | recommendations for |
| | | | | immediate needle |
| | | | | thoracentesis in the |
| | | | | awake patient with a |
| | | | | TPT. |
| | | | | Describe the potential |
| | | | | complications and the |
| | | | | - I |
| | | | | |
| | | | | needle thoracentesis. |
| | | | | Beta-2 therapy and |
| | | | | peak flow meter |
| | | | | o Review the |
| | | | | anatomical |
| | | | | structures of the |
| | | | | lower airway. |
| | | | | Review of |
| | | | | respiratory |
| | | | | dynamics and how |
| | | | | they relate to the |
| | | | | various described |
| | | | | volumes.(predicted |
| | | | | weight-based |
| | | | | volumes) |
| | | | | An understanding of |
| | | | | An understanding of nother by sinking of the party sinking of the p |
| | | | | pathophysiology, |
| | | | | clinical signs and |
| | | | | diagnosis relating to the |
| | | | | lower airway diseases: |
| | | | | o Bronchoconstrictio |
| _ | | | | n |
| 401 | | | RULES AND I | REGULATIONS 2024 |
| | | | | |

| 1 | | BronchospasmCOPD |
|---|-----|--|
| | | Bronchoedema |
| | | Decreased ciliary |
| | | action |
| | | Mucous plugging |
| | | Discuss the use of the PEAK flow as an |
| | | PEAK flow as an adjunct to the |
| | | management of lower |
| | | airway diseases. |
| | | Interpretation of the |
| | | results from the PEAK |
| | | flow reading. |
| | | Review the pharmacological action |
| | | pharmacological action, indications, |
| | | • contraindications and |
| | | adverse effects of beta- |
| | | 2 adrenergic |
| | | stimulants. |
| | | Intravenous therapy and fluid management |
| | | and fluid management ○ Review the |
| | | physiology of fluids |
| | | and electrolytes and |
| | | describe their |
| | | movement within the |
| | | various bodily |
| | | compartments. |
| | | • Discuss, categorise |
| | | and/or differentiate |
| | | between the various intravenous fluids |
| | | intravenous fluids commonly used in the |
| | | emergency and critical |
| | | care setting using the |
| | | following headings: |
| | | o Generic classes |
| | | and/or trade names |
| | | Molecular structure and constituents |
| | | Tonicity and osmotic |
| | | potential in relation |
| | | to blood and tissue |
| | | fluids |
| | | Indications and dosages |
| | | Metabolism, |
| | | elimination and intra- |
| | | vascular half-life |
| | | o Contraindications, |
| | | precautions and/or |
| | | potential side effects. |
| | | Identify the indications |
| | | for the establishment of |
| 1 | 1 1 | ECHI ATIONS 2024 |

| | | | T . |
|-----|------|-----|---|
| | | | intravenous access and |
| | | | the choice of fluid and |
| | | | administration set. |
| | | | Describe the potential |
| | | | complications that may |
| | | | |
| | | | be associated with |
| | | | intravenous |
| | | | cannulation and the |
| | | | administration of fluid. |
| | | | Discuss the |
| | | | physiological indicators |
| | | | that you would use to |
| | | | |
| | | | decide whether or not |
| | | | an infused volume of |
| | | | fluid is adequate for the |
| | | | patient's presenting |
| | | | condition. |
| | | | Describe the strategies |
| | | | and end points of fluid |
| | | | resuscitation in the |
| | | | |
| | | | following categories of |
| | | | shock: |
| | | | Cardiogenic |
| | | | ○ Haemorrhagic |
| | | | Inflammatory (toxic |
| | | | and septic) |
| | | | • Identify the indications, |
| | | | contra-indications and |
| | | | |
| | | | complications of the |
| | | | pneumatic anti-shock |
| | | | garment. |
| | | | Relate the use of the |
| | | | PASG as an adjunct for |
| | | | the treatment of specific |
| | | | forms of shock. |
| | | | Electrocardiographic |
| | | | |
| | | | interpretation |
| | | | o Review of |
| | | | electrophysiology |
| | | | and the |
| | | | electroconductive |
| | | | system of the |
| | | | myocardium |
| | | | Review of waveforms |
| | | | and features of the |
| | | | _ |
| | | | normal |
| | | | electrocardiogram and |
| | | | the clinical correlation |
| | | | Basic concepts of |
| | | | arrhythmia |
| | | | o recognition |
| | | | Artefact |
| | | | o Premature |
| | | | complexes |
| | | | F |
| | | | |
| | | | and rhythms |
| | | | Ectopic foci and |
| | | | their morphologies |
| 403 | | RUL | ES AND REGULATIONS 2024 |

| | Г | |
|-----|---|--|
| | | o Aberrancy |
| | | Identification and |
| | | interpretation of: |
| | | Sinus rhythms |
| | | Normal sinus |
| | | ■ Sinus |
| | | bradycardia |
| | | ■ Sinus tachycardia |
| | | ■ Sinus arrhythmia |
| | | ■ Sinus blocks, |
| | | pauses and |
| | | arrests |
| | | Atrial rhythms |
| | | PAC |
| | | ■ Ectopic atrial |
| | | rhythm |
| | | |
| | | Ectopic atrial techycordia |
| | | tachycardia |
| | | Ectopic atrial tachycondia with a |
| | | tachycardia with a |
| | | block |
| | | ■ Wandering atrial |
| | | pacemaker |
| | | Multifocal atrial |
| | | tachycardia |
| | | ■ Atrial flutter |
| | | Atrial fibrillation |
| | | Junctional rhythms |
| | | ■ Premature |
| | | junctional |
| | | contraction |
| | | ■ Rapid junctional |
| | | rhythms |
| | | ■ AV nodal re-entry |
| | | tachycardia |
| | | ■ AV re-entry |
| | | 1 |
| | | tachycardia |
| | | Narrow complex |
| | | tachycardia |
| | | o Ventricular |
| | | rhythms |
| | | ■ PVC |
| | | ■ Ventricular |
| | | escape and |
| | | idioventricular |
| | | rhythms |
| | | ■ Ventricular |
| | | tachycardia |
| | | ■ Polymorphic |
| | | ventricular |
| | | tachycardia and |
| | | ■ Torsades de |
| | | Pointes |
| | | ■ Wide complex |
| | | · • |
| | | tachycardia |
| | | • Ventricular |
| | | fibrillation and |
| | | asytole |
| 404 | | RULES AND REGULATIONS 2024 |

| a Atrioventricular blocks Artificially paced rhythms Electrolyte imbalances Components and clinical correlation of the 12 lead ECG The calculation, identification and importance of the electrical axis Identification and interpretation of the following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different components of di | 1 | | |
|--|---|--|--|
| o Artificially paced rhythms o Electrolyte imbalances • Components and clinical correlation of the 12 lead ECG • The calculation, identification and importance of the electrical axis • Identification and interpretation of the following using a 12 lead • electrocardiogram o Bundle branch blocks o Hypertrophy o Acute myocardial infarction • Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes • Temperature related emergencies o Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient • Discuss the risk factors, pathophysiology, patient o Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| rhythms • Electrolyte imbalances • Components and clinical correlation of the 12 lead ECG • The calculation, identification and importance of the electrical axis • Identification and interpretation of the following using a 12 lead electrocardiogram • Bundle branch blocks • Hypertrophy • Acute myocardial infarction • Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes • Temperature related emergencies • Describe he normal physiology of temperature regulation in a healthy adult) • identify the physiological components of different comorbidities that will have an effect on normal that acutely ill or injured patient • Discuss the risk factors, pathophysiology, patient • Discuss the risk factors, pathophysiology, patient assessment, findings and | | | |
| Describe De | | | Artificially paced |
| imbalances Components and clinical correlation of the 12 lead ECG The calculation, identification and importance of the electrical axis Identification and interpretation of the following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different components of differ | | | rhythms |
| imbalances Components and clinical correlation of the 12 lead ECG The calculation, identification and importance of the electrical axis Identification and interpretation of the following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different components of differ | | | Electrolyte |
| Components and clinical correlation of the 12 lead ECG The calculation, identification and importance of the electrical axis Identification and interpretation of the following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different components of different components of different components of different components of components of different component | | | |
| clinical correlation of the 12 lead ECG The calculation, identification and importance of the electrical axis I dentification and interpretation of the following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Papply your knowledge of coronary circulation and anatomical attructures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| the 12 lead ECG The calculation, identification and importance of the electrical axis Identification and interpretation of the following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy admits the physiological components of different commondial temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient Supply patient | | | |
| The calculation, identification and importance of the electrical axis Identification and interpretation of the following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the selections. | | | |
| identification and importance of the electrical axis I Identification and interpretation of the following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardimum to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comornial temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the since the restriction and management of the allowing and management of the allowing and management of the since the restriction and interpretations. | | | |
| importance of the electrical axis • Identification and interpretation of the following using a 12 lead electrocardiogram • Bundle branch blocks • Hypertrophy • Acute myocardial infarction • Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes • Temperature related emergencies • Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient • Discuss the risk factors, pathophysiology, patient assessment, findings and management of the solution and interpretation and management of the selection and interpretations. | | | · 1 |
| electrical axis I dentification and interpretation of the following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| Identification and interpretation of the following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Official and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| interpretation of the following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| following using a 12 lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comormal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | Identification and |
| lead electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different components of different components of different components of components of different compon | | | interpretation of the |
| electrocardiogram Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | following using a 12 |
| Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | lead |
| Bundle branch blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| blocks Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| Hypertrophy Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| Acute myocardial infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult oidentify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| infarction Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| Apply your knowledge of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | o Acute Inyocardial |
| of coronary circulation and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes • Temperature related emergencies • Describe the normal physiology of temperature regulation in a healthy adult • identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient • Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| and anatomical structures within the myocardium to waveforms presented in acute coronary syndromes • Temperature related emergencies • Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient • Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| structures within the myocardium to waveforms presented in acute coronary syndromes • Temperature related emergencies • Describe the normal physiology of temperature regulation in a healthy adult • identify the physiological components of different components of differ | | | |
| myocardium to waveforms presented in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| waveforms presented in acute coronary syndromes • Temperature related emergencies • Describe the normal physiology of temperature regulation in a healthy adult • identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient • Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | structures within the |
| in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| in acute coronary syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | waveforms presented |
| syndromes Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| Temperature related emergencies Describe the normal physiology of temperature regulation in a healthy adult didentify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| emergencies Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| Describe the normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| normal physiology of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| of temperature regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| regulation in a healthy adult identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| healthy adult oidentify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient o Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | • |
| o identify the physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| physiological components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| components of different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| different comorbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| morbidities that will have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | ' |
| have an effect on normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| normal temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | have an effect on |
| temperature regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | normal |
| regulation in that acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| acutely ill or injured patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| patient Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| Discuss the risk factors, pathophysiology, patient assessment, findings and management of the | | | |
| factors, pathophysiology, patient assessment, findings and management of the | | | |
| pathophysiology, patient assessment, findings and management of the | | | |
| patient assessment, findings and management of the | | | * |
| assessment, findings and management of the | | | |
| findings and management of the | | | - |
| management of the | | | - |
| management of the | | | |
| | | | management of the |
| | | | |
| | | | |

| 1 | . | 1 1 | | | |
|-----|----------|-----|--------------|------------------------|---------------------------------|
| | | | | | hyperthermic |
| | | | | | conditions |
| | | | | | Heat cramps |
| | | | | | Heat |
| | | | | | exhaustion |
| | | | | | Heat stroke |
| | | | | 0 | Discuss the risk |
| | | | | | factors |
| | | | | | pathophysiology, |
| | | | | | patient |
| | | | | | assessment, |
| | | | | | findings and |
| | | | | | management of the |
| | | | | | following |
| | | | | | hyperthermic |
| | | | | | conditions |
| | | | | | Mild |
| | | | | | hypothermia |
| | | | | | Moderate |
| | | | | | hypothermia |
| | | | | | Severe |
| | | | | | hypothermia |
| | | | | | Frostbite |
| | | | | 0 | explain the |
| | | | | | phenomenon of |
| | | | | | wind chill. |
| | | | | • St | ubmersion |
| | | | | er | nergencies |
| | | | | 0 | Explain the |
| | | | | | pathophysiology of |
| | | | | | drowning |
| | | | | 0 | Discuss the factors |
| | | | | | that may affect the |
| | | | | | clinical outcome |
| | | | | | and prognosis of |
| | | | | | the patient who has |
| | | | | | been submerged |
| | | | | 0 | Explain how you |
| | | | | | would manage a |
| | | | | | patient that has |
| | | | | | been submerged |
| | | | | Bl | asts and Ballistics |
| | | | | 0 | Explain the |
| | | | | | meaning of the |
| | | | | | term cavitation as it |
| | | | | | applies to gunshot |
| | | | | | wounds and |
| | | | | | penetrating trauma |
| | | | | | and identify the |
| | | | | | relevance that it |
| | | | | | has to a |
| | | | | | practitioner |
| | | | | 0 | Describe the |
| | | | | - | factors that affect |
| | | | | | the type of injury |
| | | | | | and the amount of |
| | | | | | damage caused by |
| | | | | | the bullet |
| | | | | | |
| 406 | | | RULES AND RE | ECIII AT | IONS 2024 |

| | | Discuss the management of a patient who has sustained a gunshot wound and the effect the injury has on |
|----------|--------------|--|
| | | various bodily systems. |
| | | Toxicology |
| | | ∘ Provide an |
| | | adequate definition for toxicology. |
| | | Describe the |
| | | routes of exposure |
| | | that a toxin may |
| | | enter the body. o Consider the |
| | | important items |
| | | that will need to be |
| | | addressed when |
| | | taking a targeted history for the |
| | | poisoned patient. |
| | | Relate the clinical |
| | | findings, during the examination of the |
| | | poisoned patient, |
| | | to the recognised |
| | | toxidromes to |
| | | assist with the diagnosis. |
| | | o Discuss the |
| | | general treatment |
| | | principles of the |
| | | following toxins: > Alcohol |
| | | > Heroin and |
| | | Opioids |
| | | Cocaine and stimulants |
| | | > Benzodiazepin |
| | | es and |
| | | sedatives |
| | | Acetyl salicylic acid |
| | | Paracetamol |
| | | > Tricyclic |
| | | Antidepressan |
| | | ts ➤ Calcium |
| | | Channel and |
| | | Beta-blockers |
| | | Organophosp hates |
| | | > Carbon |
| | | Monoxide |
| <u>'</u> | <u> </u> | |

| | T | <u> </u> | | |
|-----|---|----------|--------------|---|
| | | | | Discuss the available |
| | | | | resources where |
| | | | | you can get |
| | | | | information on |
| | | | | toxins. |
| | | | | ∘ Provide an |
| | | | | overview of |
| | | | | substance abuse in |
| | | | | patients dependent |
| | | | | on licit and illicit |
| | | | | drugs and alcohol. |
| | | | | Behavioural |
| | | | | emergencies |
| | | | | • Explain when |
| | | | | abnormal behaviour |
| | | | | requires medical |
| | | | | intervention and |
| | | | | discuss the medico- |
| | | | | legal implications as |
| | | | | depicted by the |
| | | | | Mental Health Act of |
| | | | | South Africa. |
| | | | | Describe the causes |
| | | | | of abnormal behaviour |
| | | | | under |
| | | | | ■ the following |
| | | | | headings: |
| | | | | Biological/organic |
| | | | | Psycosocial |
| | | | | > Sociocultural |
| | | | | Psychopathology |
| | | | | Classify psychiatric |
| | | | | signs and symptoms |
| | | | | to the various |
| | | | | behavioural disorders. |
| | | | | Describe the general principles of |
| | | | | principles of assessment and |
| | | | | |
| | | | | management of a demonstrating |
| | | | | abnormal behaviour. |
| | | | | |
| | | | | • Demonstrate an |
| | | | | understanding of the |
| | | | | following disorders: |
| | | | | o Anxiety |
| | | | | disorders |
| | | | | Mood disorders |
| | | | | o Personality |
| | | | | disorders |
| | | | | Eating, impulse control |
| | | | | substance- |
| | | | | related disorders |
| | | | | o Psychosis |
| | | | | Describe your |
| | | | | approach to hostile |
| | | | | |
| 408 | | | RUI ES AND E | REGULATIONS 2024 |

| | | | | | | | and violent patients and discuss the difference between physical and chemical restraint. |
|--|-------------|------|----|---|----|--|--|
| Emergency Medical Care 3 Practical | EMC02Y 3 | 100% | 0% | 7 | 12 | The aim of Emergency Medical Care — Practical was to provide the student with the opportunity to practice how to manage patients suffering from injuries and illnesses in a controlled, safe environment. During this module, the student had the opportunity to practice how to integrate all of the theoretical aspect and underpinnings of emergency care into actually managing patients. Simply put, this allowed the student to move from knowing what to do, to practicing how to do it. | Throughout completion of this module, the following learning outcomes were achieved: Successful performance of the following procedures: Visual nasal intubation Coral endotracheal intubation with induction Bag-valve-tube nebulization Upper airway obstruction with the use of equipment Needle cricothyroidotomy Surgical cricothyroidotomy Surgical cricothyroidotomy Nasogastric intubation Corogastric intubation Co |

| Demonstrate procedural competence in performing a Rapid Sequence Intubation. Demonstrate correct application of RSI and difficult a linvay algorithms and protocols using adult and paediatric patient simulators in a scenario based environment. Demonstrate rapid and accurate ainvay assessment on patients using adult and paediatric patient simulators in a scenario based environment. Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment. Select the appropriate induction in a scenario based environment. Select the appropriate induction and neuromuscular blocking agents in a simulated environment. Perform a rapid sequence of induction, neuromuscular blockade and endotracheal tubestion in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulation using adult and paediatric patient simulation in a simulation using adult and paediatric patient simulation assessment of endotracheal tube palacement post-intubation using adult and paediatric patient simulation assessment of endotracheal tube palacement post-intubation using adult and paediatric patient simulation assessment of endotracheal tube palacement post-intubation using adult and paediatric patient simulation using adult and paediatric patient simulation assessment of environment. | | | D t t - |
|---|---|-------|---------------------------------------|
| competence in performing a Rapid Sequence Intubation. Demonstrate correct application of RSI and difficult airway algorithms and protocols using adult and paediatric patient simulators in a scenario based environment Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Assemble and set up equipment and prepare a patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment based environment simulators in a scenario based environment based environment simulators in a scenario based environment | | | Demonstrate |
| performing a Rapid Seguence Intubation. Demonstrate correct application of RSI and difficult airway algorithms and protocols using adult and paediatric patient simulators in a scenario based environment Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation in a simulation ansessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulation in a simulation in a simulation in a simulation and accurate assessment of bendotracheal tube placement post-intubation using adult and paediatric patient simulation in a scenario based environment Manage a patient | | | · · · · · · · · · · · · · · · · · · · |
| Sequence Intubation. Demonstrate correct application of RSI and difficult airway algorithms and protocols using adult and paediatric patient simulators in a scenario based environment Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment Assemble and set up equipment and prepare a patient of RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation in a | | | |
| Demonstrate correct application of RSI and difficult airway algorithms and protocols using adult and paediatric patient simulators in a scenario based environment Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulated aintubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient Manage a patient | | | |
| application of RSI and difficult airway algorithms and protocols using adult and paediatric patient simulators in a scenario based environment • Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment • Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment • Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment • Select the appropriate induction and neuromuscular blocking agents in a simulated environment • Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. • Demonstrate rapid and accurate assessment. • Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment • Manage a patient | | | |
| difficult ailway algorithms and protocols using adult and paediatric patient simulators in a scenario based environment • Demonstrate rapid and accurate ailway assessment on patients using adult and paediatric patient simulators in a scenario based environment • Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment • Select the appropriate induction and neuromuscular blocking agents in a simulated environment • Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. • Demonstrate rapid and accurate assessment. • Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment • Manage a patient • Manage a patient | | | |
| algorithms and protocols using adult and paediatric patient simulators in a scenario based environment • Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment • Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment • Select the appropriate induction and neuromuscular blocking agents in a simulated environment • Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. • Demonstrate rapid and accurate assessment of endotracheal tube placement of endotracheal tube placement using adult and paediatric patient of endotracheal tube placement using adult and paediatric patient of endotracheal tube placement using adult and paediatric patient in a scenario based environment • Manage a patient | | | |
| protocols using adult and paediatric patient simulators in a scenario based environment Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment. accurate assessment. Demonstrate rapid and accurate assessment. | | | |
| and paediatric patient simulators in a scenario based environment • Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment • Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment • Select the appropriate induction and neuromuscular blocking agents in a simulated environment • Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. • Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment simulators in a scenario based environment | | | |
| simulators in a scenario based environment Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and assessment. Demonstrate rapid and assessment. Demonstrate rapid and assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| scenario based environment Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment Assemble and set up equipment and prepare apatient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and assessment. Demonstrate rapid and assessment. Demonstrate rapid and assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment. | | | |
| environment Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and acsessment. Demonstrate rapid and acsessment. Demonstrate rapid and acsessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| Demonstrate rapid and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment Assemble and set up equipment and prepare a patient of RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment simulator in a seconario based environment simulator in a scenario based environment based environment simulators in a scenario based environment Manage a patient | | | |
| and accurate airway assessment on patients using adult and paediatric patient simulators in a scenario based environment • Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment • Select the appropriate induction and neuromuscular blocking agents in a simulated environment • Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. • Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment • Manage a patient | | | |
| assessment on patients using adult and paediatric patient simulators in a scenario based environment • Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment • Select the appropriate induction and neuromuscular blocking agents in a simulated environment • Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. • Demonstrate rapid and accurate assessment • Demonstrate rapid and paediatric patient intubation using adult and paediatric patient intubation using adult and paediatric patient simulators in a scenario based environment • Manage a patient | | | |
| patients using adult and paediatric patient simulators in a scenario based environment • Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment • Select the appropriate induction and neuromuscular blocking agents in a simulated environment • Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. • Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment • Manage a patient for | | | |
| and paediatric patient simulators in a scenario based environment • Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment • Select the appropriate induction and neuromuscular blocking agents in a simulated environment • Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. • Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment • Manage a patient | | | |
| simulators in a scenario based environment Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| scenario based environment Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | · |
| environment Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| Assemble and set up equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| equipment and prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment • Select the appropriate induction and neuromuscular blocking agents in a simulated environment • Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. • Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation sin a dendotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment • Manage a patient | | | |
| prepare a patient for RSI using adult and paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | · 1 |
| paediatric patient simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | prepare a patient for |
| simulators in a scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | RSI using adult and |
| scenario based environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment | | | |
| environment Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| Select the appropriate induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| induction and neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| neuromuscular blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post- intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| blocking agents in a simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| simulated environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| environment Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| Perform a rapid sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| sequence of induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| induction, neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post- intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| neuromuscular blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post- intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | I - I |
| blockade and endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| endotracheal intubation in a simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| intubation in a simulation assessment. • Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment • Manage a patient | | | |
| simulation assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post- intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| assessment. Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| Demonstrate rapid and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| and accurate assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment • Manage a patient | | | |
| assessment of endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment • Manage a patient | | | |
| endotracheal tube placement post-intubation using adult and paediatric patient simulators in a scenario based environment • Manage a patient | | | |
| placement post- intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| intubation using adult and paediatric patient simulators in a scenario based environment Manage a patient | | | |
| and paediatric patient simulators in a scenario based environment • Manage a patient | | | |
| simulators in a scenario based environment • Manage a patient | | | |
| scenario based environment Manage a patient | | | |
| environment Manage a patient | | | |
| Manage a patient | | | |
| | | | |
| • | | | |
| | • | · | |

| | | | | 1 | | | RSI with regard to |
|---------------------------------------|-------------|------|----|---|----|---|---|
| | | | | | | | RSI with regard to securing of the endotracheal tube, management of post-intubation hypotension, longer term sedation and neuromuscular blockade using adult and paediatric patient simulators in a scenario based environment. Document accurately all clinical and event data relevant to an RSI performed using adult and paediatric patient simulators in a scenario based environment Manage simulated adult patients suffering from a variety of injuries and illnesses commonly found in the prehospital setting to an Emergency Care Practitioner scope of practice |
| | | | | | | | simulations. Demonstrate an ability to communicate with patients and crew in a professional and ethical manner during the patient simulations. Correctly assess, diagnose and manage patients suffering from injuries and illnesses commonly found in |
| | | | | | | | the pre-hospital setting according to your scope of practice. |
| Emergency Medical Care 3 Theory | EMC01Y 3 | 100% | 0% | 7 | 12 | Emergency Medical Care III is considered to be one of the core modules in the | Throughout completion of this module, the following learning outcomes were achieved: |

| EMC programme. | • | List and ex |
|-----------------------|---|---------------|
| This was the | | indications |
| module where the | | contraindic |
| student got the | | needle |
| opportunity to apply | | cricothyroid |
| all of the knowledge | • | Discuss |
| and skills gained | | advantages |
| from the first two | | disadvanta |
| | | are associa |
| years of academic | | needle |
| experiences into | | cricothyroid |
| the management of | • | Describe |
| adult patients. The | | complication |
| student should be | | associated |
| competent to | | performing |
| manage any adult | • | List and e |
| patient to the same | | you would |
| extent of a qualified | | and ins |
| ECP by the end of | | equipment |
| this year. The aim | | perform |
| of Emergency | | cricothyroic |
| Medical Care – | • | Explain in |
| | | limitations a |
| Theory was to | | with a |
| provide the student | | cricothyroid |
| with the contextual | | specifically |
| knowledge and | | patient. |
| content that they | • | Discuss th |
| should use to guide | | ways to |
| decision making | | these limita |
| when dealing with | • | List and ex |
| patients. The bulk | | indications |
| of the work in this | | contraindic |
| module was putting | | surgical |
| concepts learnt in | | cricothyroid |
| Anatomy, | • | Discuss |
| Physiology, | | advantages |
| Diagnostics, | | disadvanta |
| General Pathology, | | are associa |
| EMC II and | | surgical |
| | | cricothyroid |
| Pharmacology | • | Describe |
| together and then | | complication |
| applying this | | associated |
| existing knowledge | | performing |
| and understanding | • | List and e |
| to properly assess, | | you would |
| diagnose, and treat | | and ins |
| ill and injured | | equipment |
| patients. | | perform a |
| - | | cricothyroid |
| | • | Provide a |
| | | description |
| | | actual |
| | | (technique |
| | | taking into a |
| | | LICE of a co |

- xplain the and cations for a dotomy.
- the and s that ages ated with dotomy.
- the ons with this skill.
- explain how ld prepare spect the needed to needle dotomy.
- detail the associated needle dotomy / in adult
- he different overcome ations.
- xplain the cations for a dotomy.
- the and S ages that iated with a dotomy.
- the ons with this skill.
- explain how ld prepare spect the needed to surgical dotomy.
- detailed of the procedure utilized) account the use of a scalpel as

| T | | |
|------|----------|--|
| | | well as sharp pointed |
| | | scissors. |
| | | List and explain the |
| | | indications and contraindications for |
| | | orogastric and |
| | | nasogastric |
| | | intubation. |
| | | Discuss the |
| | | complications |
| | | associated with |
| | | performing this skill in |
| | | both an awake and an |
| | | unconscious patient. |
| | | List and explain how |
| | | you would prepare |
| | | and inspect the |
| | | equipment needed to |
| | | perform a nasogastric |
| | | / orogastric intubation. |
| | | Write a detailed step- by-step approach |
| | | by-step approach detailing the |
| | | technique utilized to |
| | | perform a nasogastric |
| | | / orogastric intubation |
| | | in both a conscious |
| | | and unconscious |
| | | patient. |
| | | • Explain pressure |
| | | controlled ventilation |
| | | versus volume |
| | | controlled ventilation |
| | | • Discuss the |
| | | indications for mechanical ventilation |
| | | Discuss the |
| | | complications that |
| | | may be caused by |
| | | mechanical ventilation |
| | | Discuss the following |
| | | concepts when |
| | | dealing with |
| | | mechanical transport |
| | | ventilators: |
| | | Controlled |
| | | mechanical |
| | | ventilation |
| | | Assist / control mode |
| | | mode ➤ Synchronized |
| | | intermittent |
| | | mandatory |
| | | ventilation |
| | | ➤ Intermittent |
| | | positive pressure |
| | | ventilation |
| | <u> </u> | |

| | , | - | |
|-------|---|---|--|
| | | | Synchronized |
| | | | intermittent |
| | | | positive pressure |
| | | | ventilation |
| | | | Pressure support |
| | | | ventilation |
| | | | |
| | | | Continuous |
| | | | positive airway |
| | | | pressure |
| | | | Tidal volume |
| | | | Minute volume |
| | | | Respiratory rate |
| | | | > Peak airway |
| | | | pressure |
| | | | - |
| | | | Sensitivity |
| | | | Pressure limit |
| | | | Fraction of |
| | | | inspired oxygen |
| | | | Positive end |
| | | | expiratory |
| | | | pressure |
| | | | ➤ Inspiratory-to- |
| | | | expiratory ratio |
| | | | - |
| | | | Explain in a logical |
| | | | fashion, how to set up |
| | | | a transport ventilator |
| | | | using blood gas |
| | | | values |
| | | | • Explain how to |
| | | | manipulate ventilator |
| | | | settings according to |
| | | | |
| | | | blood gas values |
| | | | Troubleshoot when |
| | | | encountering |
| | | | problems during |
| | | | mechanical ventilation |
| | | | Discuss ventilation |
| | | | strategies during |
| | | | |
| | | | special situations |
| | | | Discuss how you |
| | | | would determine |
| | | | whether a patient with |
| | | | a bradycardia is stable |
| | | | or unstable |
| | | | List and explain the |
| | | | causes of a |
| | | | |
| | | | bradycardia |
| | | | Provide a detailed |
| | | | explanation as to the |
| | | | treatment regime you |
| | | | would elect to follow in |
| | | | managing an unstable |
| | | | bradycardia (include |
| | | | |
| | | | all variants) |
| | | | Describe the different |
| | | | types of pacemakers |
| | | | (permanent and |
| • | | | |

| | | | 1 1 | | |
|-----|--------------|-----|-----|-------------|--|
| | | | | | temporary) that are |
| | | | | | available. |
| | | | | | Discuss in detail the physiological effects |
| | | | | | . , |
| | | | | | of pacing. |
| | | | | | • Explain the advantages of |
| | | | | | advantages of transcutaneous |
| | | | | | pacing. |
| | | | | | List and explain the |
| | | | | | indications and |
| | | | | | contraindications of |
| | | | | | pacing. |
| | | | | | • Discuss the |
| | | | | | complications |
| | | | | | associated with |
| | | | | | pacing. |
| | | | | | Differentiate between |
| | | | | | asynchronous and |
| | | | | | synchronous pacing |
| | | | | | modes. Be sure to |
| | | | | | include the |
| | | | | | advantages and |
| | | | | | disadvantages |
| | | | | | associated with each |
| | | | | | mode. |
| | | | | | Provide a detailed |
| | | | | | step-by-step |
| | | | | | approach to |
| | | | | | transcutaneous |
| | | | | | pacing. |
| | | | | | Clarify what is meant by the terms overdrive |
| | | | | | and underdrive |
| | | | | | pacing. |
| | | | | | Explain the procedure |
| | | | | | that would need to be |
| | | | | | followed in order to |
| | | | | | either underdrive or |
| | | | | | overdrive pace a |
| | | | | | patient. |
| | | | | | Argue the current |
| | | | | | value of underdrive |
| | | | | | pacing in the pre- |
| | | | | | hospital environment. |
| | | | | | • Discuss how you |
| | | | | | would determine |
| | | | | | whether a patient with |
| | | | | | a tachycardia is stable |
| | | | | | or unstable? |
| | | | | | Differentiate between physiological and a |
| | | | | | a physiological and a |
| | | | | | pathological tachycardia. |
| | | | | | Provide a detailed |
| | | | | | explanation as to the |
| | | | | | treatment regime you |
| | 1 | 1 1 | | | |
| 415 | | | | RULES AND R | EGULATIONS 2024 |

| | T | 1 1 | 1 | | | |
|-----|----------|----------|---|-------------|-------------|---|
| | | | | | | ould elect to follow in |
| | | | | | | anaging the |
| | | | | | fo | llowing tachycardias |
| | | | | | | nclude all variants): |
| | | | | | | Regular narrow |
| | | | | | ŕ | complex |
| | | | | | | tachycardias: |
| | | | | | | <u> </u> |
| | | | | | | Sinus tachycardia |
| | | | | | | |
| | | | | | | o Reentry |
| | | | | | | supraventricul |
| | | | | | _ | ar tachycardia |
| | | | | | <i>></i> | Wide complex |
| | | | | | | tachycardias |
| | | | | | > | Irregular |
| | | | | | | tachycardias: |
| | | | | | | Atrial flutter |
| | | | | | | Atrial |
| | | | | | | fibrillation |
| | | | | | | Polymorphic |
| | | | | | | ventricular |
| | | | | | | tachycardia |
| | | | | | | Torsades de |
| | | | | | | Pointes |
| | | | | | • Li | st and discuss the |
| | | | | | | agal manoeuvres |
| | | | | | | |
| | | | | | | ommonly used by |
| | | | | | | mergency Care |
| | | | | | | ractitioners. |
| | | | | | | alsalva manoeuvre: |
| | | | | | > | Provide a detailed |
| | | | | | | explanation as to |
| | | | | | | how the valsalva |
| | | | | | | manoeuvre |
| | | | | | | accomplishes a |
| | | | | | | slowing of the |
| | | | | | | heart rate. |
| | | | | | 5 | |
| | | | | | | the various |
| | | | | | | |
| | | | | | | techniques that |
| | | | | | | may be utilized to |
| | | | | | | assist your |
| | | | | | | patient in |
| | | | | | | performing a |
| | | | | | | valsalva |
| | | | | | | manoeuvre. |
| | | | | | > | Discuss the steps |
| | | | | | | that need to be |
| | | | | | | followed in |
| | | | | | | preparation for a |
| | | | | | | valsalva |
| | | | | | | manoeuvre as |
| | | | | | | |
| | | | | | | well as during the |
| | | | | | _ | actual procedure. |
| | | | | | | arotid Sinus |
| | | | | | | lassage: |
| | | | | | > | Provide a detailed |
| | | | | | | explanation as to |
| 116 | <u> </u> | <u> </u> | | RULES AND R | EGIII A | TIONS 2024 |
| 416 | | | | RULES AND R | LGULA | 110110 2024 |

| T | | |
|----------|-------------|---|
| | | how the carotid |
| | | sinus massage |
| | | affects the heart |
| | | rate. |
| | | List and explain |
| | | the indications |
| | | and |
| | | |
| | | contraindications |
| | | for carotid sinus |
| | | massage. |
| | | Describe the |
| | | complications |
| | | associated with |
| | | performing this |
| | | skill. |
| | | Provide a detailed |
| | | description of the |
| | | actual procedure |
| | | - |
| | | (technique |
| | | utilized). |
| | | Explain in detail the |
| | | effects of |
| | | cardioversion on the |
| | | myocardium. |
| | | List and explain the |
| | | indications and |
| | | contraindications of |
| | | |
| | | cardioversion. |
| | | • Discuss the |
| | | complications |
| | | associated with |
| | | performing |
| | | cardioversion. |
| | | Describe in detail the |
| | | steps involved in |
| | | performing |
| | | cardioversion on the |
| | | |
| | | following arrhythmias: |
| | | Narrow complex |
| | | tachycardias: |
| | | Supraventricula |
| | | r tachycardia |
| | | Atrial flutter |
| | | Atrial fibrillation |
| | | Monomorphic |
| | | ventricular |
| | | tachycardia |
| | | Polymorphic |
| | | |
| | | tachycardia |
| | | Ensure that you have |
| | | a detailed |
| | | understanding of the |
| | | American Heart |
| | | Association 2010 |
| | | resuscitation |
| | | guidelines and the |
| <u> </u> | 1 1 | |
| | | |

| the changes. Discuss in detail the management of a patient in cardiac arrest providing a motivation for each of your actions. Be sure to address the following arrhythmias: Ventricular fibrillation Ventricular tachycardia Pulseless electrical activity Asystole Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on post-created and in the patient in the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein. | | 1 1 | | |
|--|---|-----|---|------------------------|
| Discuss in detail the management of a patient in cardiac arrest providing a motivation for each of your actions. Be sure to address the following arrhythmias: Ventricular fibrillation Ventricular atchycardia Pulseless electrical activity Asystole Explain why the following interventions that were previously thought to a patient in cardiac arrest are no longer supported by outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein. | | | | rationale behind all |
| management of a patient in cardiac arrest providing a motivation for each of your actions. Be sure to address the following arrhythmias: > Ventricular fibrillation > Pulseless electrical activity > Asystole • Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: > Transcutaneous pacing (underdrive pacing) > Precordial thump > Routine fluid administration • Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. • List the criteria that need to be assessed before one can terminate a resuscitation attempt. • Describe the anatomical location of the external jugular vein. • List and explain the indications and contraindications of external jugular vein. | | | | _ |
| patient in cardiac arrest providing a motivation for each of your actions. Be sure to address the following arrhythmias: > Ventricular fibrillation > Ventricular atchycardia > Pulseless electrical activity > Asystole • Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: > Transcutaneous pacing (underdrive pacing) > Precordial thump > Routine fluid administration • Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. • List the criteria that need to be assessed before one can terminate a resuscitation attempt. • Describe the anatomical location of the external jugular vein. • List and explain the indications and contraindications and contraindications of external jugular vein. | | | | |
| arrest providing a motivation for each of your actions. Be sure to address the following arrhythmias: > Ventricular fibrillation > Pulseless electrical activity > Asystole • Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: > Transcutaneous pacing (underdrive pacing) • Precordial thump > Routine fluid administration • Provide a detailed discussion on post-resuctation support after the return of spontaneous circulation. • List the criteria that need to be assessed before one can terminate a resuscitation attempt. • Describe the anatomical location of the external jugular vein. • List and explain the indications and contraindications of external jugular vein. | | | | 9 |
| motivation for each of your actions. Be sure to address the following arrhythmias: > Ventricular fibrillation > Ventricular tachycardia > Pulseless electrical activity > Asystole • Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: > Transcutaneous pacing (underdrive pacing) > Precordial thump > Routine fluid administration • Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. • List the criteria that need to be assessed before one can terminate a resuscitation attempt. • Describe the anatomical location of the external jugular vein. • List and explain the indications and contraindications of external jugular vein. | | | | patient in cardiac |
| your actions. Be sure to address the following arrhythmias: > Ventricular fibrillation > Ventricular tachycardia > Pulseless electrical activity > Asystole • Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: > Transcutaneous pacing (underdrive pacing) > Precordial thump > Routine fluid administration • Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. • List the criteria that need to be assessed before one can terminate a resuscitation attempt. • Describe the anatomical location of the external jugular vein. • List and explain the indications of external jugular vein. | | | | |
| to address the following arrhythmias: > Ventricular fibrillation > Ventricular tachycardia > Pulseless electrical activity > Asystole • Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: > Transcutaneous pacing (underdrive pacing) > Precordial thump > Routine fluid administration • Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. • List the criteria that need to be assessed before one can terminate a resuscitation attempt. • Describe the anatomical location of the external jugular vein. • List and explain the indications of external jugular vein. | | | | motivation for each of |
| following arrhythmias: Ventricular fibrillation Ventricular tachycardia Pulseless electrical activity Asystole Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications of external jugular vein. | | | | your actions. Be sure |
| Ventricular fibrillation Ventricular tachycardia Pulseless electrical activity Asystole Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein. | | | | to address the |
| fibrillation Ventricular tachycardia Pulseless electrical activity Asystole Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications of external jugular vein. | | | | following arrhythmias: |
| > Ventricular tachycardia > Pulseless electrical activity > Asystole • Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: > Transcutaneous pacing (underdrive pacing) > Precordial thump > Routine fluid administration • Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. • List the criteria that need to be assessed before one can terminate a resuscitation attempt. • Describe the anatomical location of the external jugular vein. • List and explain the indications and contraindications of external jugular vein. | | | | Ventricular |
| tachycardia Pulseless electrical activity Asystole Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on post- resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications of external jugular vein | | | | fibrillation |
| Pulseless electrical activity ➤ Asystole Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: ➤ Transcutaneous pacing (underdrive pacing) ➤ Precordial thump ➤ Routine fluid administration Provide a detailed discussion on post- resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | Ventricular |
| electrical activity > Asystole Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: > Transcutaneous pacing (underdrive pacing) > Precordial thump > Routine fluid administration Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications of external jugular vein. | | | | tachycardia |
| ➤ Asystole Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: ➤ Transcutaneous pacing (underdrive pacing) ➤ Precordial thump ➤ Routine fluid administration • Provide a detailed discussion on postresuscitation support after the return of spontaneous circulation. • List the criteria that need to be assessed before one can terminate a resuscitation attempt. • Describe the anatomical location of the external jugular vein. • List and explain the indications of external jugular vein. | | | | Pulseless |
| Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on postresuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications of external jugular vein. | | | | electrical activity |
| Explain why the following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on postresuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications of external jugular vein. | | | | • |
| following interventions that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: > Transcutaneous pacing (underdrive pacing) > Precordial thump Routine fluid administration Provide a detailed discussion on postresuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications of external jugular vein. | | | | - |
| that were previously thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on postresuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications of external jugular vein | | | | |
| thought to be of benefit to a patient in cardiac arrest are no longer supported by outcomes: > Transcutaneous pacing (underdrive pacing) > Precordial thump > Routine fluid administration • Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. • List the criteria that need to be assessed before one can terminate a resuscitation attempt. • Describe the anatomical location of the external jugular vein. • List and explain the indications and contraindications of external jugular vein | | | | |
| benefit to a patient in cardiac arrest are no longer supported by outcomes: > Transcutaneous pacing (underdrive pacing) > Precordial thump > Routine fluid administration • Provide a detailed discussion on postresuscitation support after the return of spontaneous circulation. • List the criteria that need to be assessed before one can terminate a resuscitation attempt. • Describe the anatomical location of the external jugular vein. • List and explain the indications and contraindications of external jugular vein | | | | |
| cardiac arrest are no longer supported by outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on postresuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications of external jugular vein | | | | |
| longer supported by outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on postresuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| outcomes: Transcutaneous pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on postresuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| pacing (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on post- resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | Transcutaneous |
| (underdrive pacing) Precordial thump Routine fluid administration Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | pacing |
| pacing) Precordial thump Routine fluid administration Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| ➢ Precordial thump ➢ Routine fluid administration Provide a detailed discussion on postresuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | , |
| ➤ Routine fluid administration • Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. • List the criteria that need to be assessed before one can terminate a resuscitation attempt. • Describe the anatomical location of the external jugular vein. • List and explain the indications and contraindications of external jugular vein | | | | |
| administration Provide a detailed discussion on post-resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | - |
| discussion on post- resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | administration |
| discussion on post- resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | Provide a detailed |
| resuscitation support after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| after the return of spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| spontaneous circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| circulation. List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| List the criteria that need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| need to be assessed before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| before one can terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| terminate a resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| resuscitation attempt. Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| Describe the anatomical location of the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| anatomical location of the external jugular vein. • List and explain the indications and contraindications of external jugular vein | | | | • |
| the external jugular vein. List and explain the indications and contraindications of external jugular vein | | | | |
| vein. List and explain the indications and contraindications of external jugular vein | | | | |
| List and explain the indications and contraindications of external jugular vein | | | | |
| indications and contraindications of external jugular vein | | | | |
| contraindications of external jugular vein | | | | |
| external jugular vein | | | | |
| | | | | |
| | | | | cannulation. |
| • Discuss the | | | | |
| advantages and | | | | |
| disadvantages | | | | |
| associated with | | | | |
| performing this skill. | | | | |
| | l | 1 1 | l | 19 |

| Explain that may arise from performing an external jugular vein cannulation. Mention all of the recognized methods that you are aware of that can assist in distending the external jugular vein to assist with the cannulation procedure. List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein cannulation. List and explain the complications and contraindications and contraindications and contraindications and contraindications and contraindications and contraindications in that may arise from performing intraosseous cannulation. Explain the complication that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
|---|-----|--|-----------------|------------------------|
| may arise from performing an external jugular vein cannulation. • Mention all of the recognized methods that you are aware of that can assist in distending the external jugular vein to assist with the cannulation procedure. • List some of the anatomical, physiological and pathological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal croumstances. • Provide a detailed explanation as to the procedure you would roll with the cannulation to cannulate the external jugular vein. • List and explain the indications and contraindications of intraosseous cannulation. • Explain the complications that may arise from performing intraosseous cannulation. • List the various sites that may be utilized for intraosseous cannulation. • List the various sites that may be utilized for intraosseous cannulation. • List and explain the complications that may be utilized for intraosseous cannulation. • List and explain the complications that may be utilized for intraosseous cannulation. • List and explain the complications performing intraosseous cannulation. • List and explain how you would prepare and inspect the | | | • | Explain the |
| performing an external jugular vein cannulation. • Mention all of the recognized methods that you are aware of that can assist in in distending the external jugular vein to assist with the cannulation procedure. • List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. • Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein cannulation. • List and explain the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. • Explain the complications that may arise from performing intraosseous cannulation. • List the various sites that may be utilized for intraosseous cannulation. • List the various sites that may be utilized for intraosseous cannulation. • Discuss in detail the movement of fluid that is administered via intraosseous cannulation. • List and explain how you would prepare and inspect the | | | | complications that |
| performing an external jugular vein cannulation. • Mention all of the recognized methods that you are aware of that can assist in in distending the external jugular vein to assist with the cannulation procedure. • List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. • Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein cannulation. List and explain the external jugular vein cannulation. • List and explain the complications and contraindications and contraindications of intraosseous cannulation. • Explain the complications that may arise from performing intraosseous cannulation. • List the various sites that may be utilized for intraosseous cannulation. • Discuss in detail the movement of fluid that is administered via intraosseous cannulation. • Discuss in detail the movement of fluid that is administered via intraosseous cannulation. • List and explain how you would prepare and inspect the | | | | may arise from |
| external jugular vein cannulation. Mention all of the recognized methods that you are aware of that can assist in distending the external jugular vein to assist with the cannulation procedure. List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. | | | | |
| cannulation. Mention all of the recognized methods that you are aware of that can assist in distending the external jugular vein to assist with the cannulation procedure. List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications of intraosseous cannulation. Explain the complications of intraosseous cannulation. Explain the complications of intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| Mention all of the recognized methods that you are aware of that can assist in distending the external jugular vein to assist with the cannulation procedure. List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| recognized methods that you are aware of that can assist in distending the external jugular vein to assist with the cannulation procedure. • List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. • Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. • Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. • Discuss in detail the movement of fluid that is administered via intraosseous cannulation. • Discuss in detail the movement of fluid that is administered via intraosseous cannulation. • List and explain how you would prepare and inspect the | | | | |
| that you are aware of that can assist in distending the external jugular vein to assist with the cannulation procedure. List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | • | |
| that can assist in distending the external jugular vein to assist with the cannulation procedure. List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the external jugular vein. List and explain the complications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | _ |
| distending the external jugular vein to assist with the cannulation procedure. • List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. • Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. • List and explain the indications and contraindications of intraosseous cannulation. • Explain the complications that may arise from performing intraosseous cannulation. • List the various sites that may be utilized for intraosseous cannulation. • List the various sites that may be utilized for intraosseous cannulation. • Discuss in detail the movement of fluid that is administered via intraosseous cannulation. • Discuss in detail the movement of fluid that is administered via intraosseous cannulation. • List and explain how you would prepare and inspect the | | | | |
| external jugular vein to assist with the cannulation procedure. List some of the anatomical, physiological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may a rise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| to assist with the cannulation procedure. List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications of intraosseous cannulation. Explain the complications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | distending the |
| cannulation procedure. List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | external jugular vein |
| procedure. List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | to assist with the |
| List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein canulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | cannulation |
| List some of the anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein canulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | procedure. |
| anatomical, physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | - |
| physiological and pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| pathological considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | ** |
| considerations that you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| you would need to be aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| aware of that could make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| make the external jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | • |
| jugular vein cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| cannulation procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| procedure more difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | jugular vein |
| difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | cannulation |
| difficult than under normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | procedure more |
| normal circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | • |
| circumstances. Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. List the various dream that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| Provide a detailed explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| explanation as to the procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| procedure you would follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | • | |
| follow to cannulate the external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| external jugular vein. List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| List and explain the indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| indications and contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| contraindications of intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | • | |
| intraosseous cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| cannulation. Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| Explain the complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | intraosseous |
| complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | cannulation. |
| complications that may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | • | Explain the |
| may arise from performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | - |
| performing intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | • |
| intraosseous cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| cannulation. List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| List the various sites that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| that may be utilized for intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| intraosseous cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | • | |
| cannulation. Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | • |
| Discuss in detail the movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| movement of fluid that is administered via intraosseous cannulation. List and explain how you would prepare and inspect the | | | | |
| is administered via intraosseous cannulation. • List and explain how you would prepare and inspect the | | | • | Discuss in detail the |
| intraosseous cannulation. List and explain how you would prepare and inspect the | | | | movement of fluid that |
| intraosseous cannulation. List and explain how you would prepare and inspect the | | | | is administered via |
| cannulation. List and explain how you would prepare and inspect the | | | | |
| List and explain how you would prepare and inspect the | | | | |
| you would prepare and inspect the | | | | |
| and inspect the | | | • | |
| • | | | | |
| DILLES AND DECLILATIONS 2024 | | | | מווע וווסףכט נוופ |
| | 419 | | BLILES WID DECL | I ATIONS 2024 |

| Т | | |
|--------------|-------|--|
| | | equipment needed to |
| | | perform intraosseous |
| | | cannulation. |
| | | Describe how you |
| | | would assess whether |
| | | your intraosseous |
| | | cannulation has been |
| | | successful. |
| | | Provide a detailed |
| | | |
| | | explanation as to the |
| | | procedure you would |
| | | follow for |
| | | intraosseous |
| | | cannulation utilizing |
| | | the following devices: |
| | | Bone injection |
| | | gun |
| | | ➤ F.A.S.T1 |
| | | Sternal |
| | | Intraosseous |
| | | Device |
| | | Intraosseous drill |
| | | Intraosseous |
| | | needle |
| | | Discuss in detail the |
| | | approach to |
| | | managing a patient |
| | | |
| | | with a prolapsed cord |
| | | under the following |
| | | circumstances: |
| | | Prolapsed cord |
| | | with no |
| | | contractions |
| | | Prolapsed cord |
| | | with contractions |
| | | Prolapsed cord |
| | | with crowning |
| | | Differentiate between |
| | | the terms sedation |
| | | and induction. |
| | | Discuss in detail the |
| | | mechanism of action |
| | | of the following |
| | | medications during |
| | | the sedation process: |
| | | Ketamine |
| | | |
| | | Midazolam |
| | | Diazepam |
| | | Lorazepam |
| | | Morphine |
| | | • Demonstrate the |
| | | ability to calculate |
| | | drug bolus and |
| | | infusion dosages, |
| | | volumes and rates of |
| | | administration. |
| <u> </u> | ı | |
| | | |

| this. Relate the of oxygen to blood to the of pre-oxyg Describe airway and this relates airway may bag valve ventilation, laryngoscop ETI. Describe to axes and end these relate position of for laryngoscop classification used to laryngoscop to | ations for al ETI). delivery of tissue and influencing physiology ransport in exprinciples enation. functional atomy as to various anoeuvres, |
|--|--|
| endotrache intubation (Discuss the oxygen to factors this. Relate the of oxygen to blood to the of pre-oxyg Describe airway an this relates airway ma bag valventilation, laryngoscop ETI. Describe t axes and e these relate position of for laryngogo. Describe classificatio used to laryngoscop to laryngoscop the classificatio used to laryngoscop to laryngoscop the classificatio used to laryngoscop. | al ETI). delivery of tissue and influencing physiology ransport in e principles enation. functional atomy as to various anoeuvres, |
| intubation (Discuss the oxygen to factors this. Relate the of oxygen to blood to the of pre-oxyg Describe airway an this relates airway mabag vantus ventilation, laryngoscop ETI. Describe to axes and e these relate position of for laryngos. Describe classificatio used to laryngoscop | etri). delivery of tissue and influencing physiology transport in eprinciples enation. functional atomy as to various anoeuvres, |
| Discuss the oxygen to factors this. Relate the of oxygen to blood to the of pre-oxyg Describe airway an this relates airway mabag valventilation, laryngoscop ETI. Describe taxes and e these relate position of for laryngos Describe classification used to laryngoscop the laryngoscop to laryngoscop the laryngosco | e delivery of tissue and influencing physiology ransport in e principles enation. functional atomy as to various anoeuvres, |
| Discuss the oxygen to factors this. Relate the of oxygen to blood to the of pre-oxyg Describe airway an this relates airway mabag valventilation, laryngoscop ETI. Describe taxes and e these relate position of for laryngos Describe classification used to laryngoscop the laryngoscop to laryngoscop the laryngosco | e delivery of tissue and influencing physiology ransport in e principles enation. functional atomy as to various anoeuvres, |
| oxygen to factors this. Relate the of oxygen to blood to the of pre-oxyg Describe airway an this relates airway may bag valventilation, laryngoscope ETI. Describe to axes and these relate position of for laryngoscope in the classification used to laryngoscope to laryngoscope classification used to laryngoscope to la | physiology ransport in e principles enation. functional atomy as to various anoeuvres, |
| factors this. Relate the of oxygen t blood to the of pre-oxyg Describe airway an this relates airway ma bag valv ventilation, laryngoscop ETI. Describe t axes and e these relate position of for laryngos Describe classificatio used to laryngoscop | physiology ransport in e principles enation. functional atomy as to various anoeuvres, |
| this. Relate the of oxygen to blood to the of pre-oxyg Describe airway and this relates airway may bag valve ventilation, laryngoscope ETI. Describe to axes and end these related position of for laryngoscope classification used to laryngoscope to lary | physiology ransport in e principles enation. functional atomy as to various anoeuvres, |
| Relate the of oxygen to blood to the of pre-oxyg Describe airway and this relates airway may bag valve ventilation, laryngoscope ETI. Describe to axes and each these related position of for laryngoscope. Describe classification used to laryngoscope. | ransport in e principles enation. functional atomy as to various anoeuvres, |
| of oxygen to blood to the of pre-oxyg Describe airway and this relates airway may bag valve ventilation, laryngoscope ETI. Describe to axes and exposition of for laryngos. Describe classification used to laryngoscope. | ransport in e principles enation. functional atomy as to various anoeuvres, |
| blood to the of pre-oxyg Describe airway an this relates airway may bag valve ventilation, laryngoscop ETI. Describe to axes and enthese related position of for laryngoscop. Describe classification used to laryngoscop. | e principles enation. functional atomy as to various anoeuvres, |
| of pre-oxyg Describe airway an this relates airway ma bag valv ventilation, laryngoscop ETI. Describe t axes and e these relate position of for laryngos Describe classificatio used to laryngoscop | enation. functional atomy as to various anoeuvres, |
| Describe airway an this relates airway may bag valve ventilation, laryngoscope ETI. Describe to axes and enthese related position of for laryngoscope classification used to laryngoscope to laryngo | functional atomy as to various anoeuvres, |
| Describe airway an this relates airway may bag valve ventilation, laryngoscope ETI. Describe to axes and enthese related position of for laryngoscope classification used to laryngoscope to laryngo | functional atomy as to various anoeuvres, |
| airway an this relates airway ma bag valv ventilation, laryngoscop ETI. Describe to axes and e these related position of for laryngos. Describe classification used to laryngoscop. | atomy as to various anoeuvres, |
| this relates airway may bag valve ventilation, laryngoscope ETI. Describe to axes and extreme these related position of for laryngose of the classification used to laryngoscope to laryngoscope the classification of the laryngoscope to laryngoscope to laryngoscope the laryngosc | to various anoeuvres, |
| airway ma bag valv ventilation, laryngoscop ETI. Describe to axes and exthese related position of for laryngoscop. Describe classification used to laryngoscop. | anoeuvres, |
| bag valventilation, laryngoscop ETI. Describe to axes and exthese related position of for laryngose classification used to laryngoscop | |
| ventilation, laryngoscop ETI. Describe to axes and enthese related position of for laryngos. Describe classification used to laryngoscop. | (a |
| laryngoscop ETI. Describe to axes and e these related position of for laryngoscop Describe classification used to laryngoscop | re mask |
| ETI. Describe to axes and enthese related position of for laryngos. Describe classification used to laryngoscop. | _ |
| Describe to axes and enthese related position of for laryngos. Describe classification used to laryngoscop. | oy and |
| axes and e these relate position of for laryngos Describe classificatio used to laryngoscop | |
| axes and e these relate position of for laryngos Describe classificatio used to laryngoscop | he airway |
| these related position of for laryngos • Describe classification used to laryngoscop | xplain how |
| position of for laryngos Describe classification used to laryngoscop | |
| for laryngos Describe classificatio used to laryngoscop | • |
| Describe classification used to laryngoscopy | • |
| classification used to laryngoscop | various |
| used to laryngoscop | |
| laryngoscop | |
| | describe |
| | |
| | differences |
| between | paediatric |
| and adul | lt airway |
| anatomy | that may |
| influence | airway |
| manageme | - |
| • Discuss | optimal |
| clinical asso | • |
| | |
| difficult bag | |
| | ventilation, |
| adequacy | |
| valve-mask | |
| | onse to |
| | bag-valve- |
| mask situat | ions. |
| • Discuss | bag-valve- |
| mask venti | |
| | egard to |
| | nsufflation, |
| cricoid pres | |
| | |
| PEEP, cer | • |
| precautions | |
| laryngospa: | |
| • Discuss | 41 |
| preparatory | the |
| consideration | |
| and list | , |
| | , |

| | | |
|--|--|---|
| | | equipment required |
| | | (STOP IC BARS). |
| | | Describe optimal |
| | | positioning for |
| | | laryngoscopy, both |
| | | routine and in special |
| | | situations. |
| | | Discuss equipment |
| | | choices and the |
| | | technique of direct |
| | | • |
| | | , , , |
| | | both curved and |
| | | straight laryngoscope |
| | | blades. |
| | | • Explain correct |
| | | placement and |
| | | confirmation of the |
| | | endotracheal tube |
| | | using both objective |
| | | and subjective |
| | | methods. |
| | | Define difficult direct |
| | | laryngoscopy and |
| | | describe the |
| | | predictors of this, |
| | | using the MMAP |
| | | approach. |
| | | Discuss the response |
| | | to difficult |
| | | |
| | | laryngoscopy, including the use of |
| | | |
| | | different laryngoscope |
| | | blades, other |
| | | manoeuvres (head lift |
| | | etc) and BURP or |
| | | ELM. |
| | | Describe the use of |
| | | adjuncts to direct |
| | | laryngoscopy |
| | | including the bougie |
| | | and fibreoptic stylets. |
| | | Describe the |
| | | complications of |
| | | endotracheal |
| | | intubation and steps |
| | | that can be taken to |
| | | avoid these during |
| | | post-intubation care. |
| | | • Explain the |
| | | indications, |
| | | advantages, |
| | | disadvantages, |
| | | |
| | | 3 |
| | | (including |
| | | troubleshooting) and |
| | | effectiveness of the |
| | | |

| | | following alternative intubation techniques: Intubating Laryngeal Mask Airway King Vision |
|--|--|--|
| | | The Airtraq Define and justify the term rescue oxygenation, and explain the role that |
| | | this plays in airway management.Identify the predictors of difficult rescue |
| | | oxygenation. • Explain the indications, advantages, |
| | | disadvantages, method for using (including troubleshooting) and |
| | | effectiveness of the following rescue oxygenation devices: The LMA (Classic, |
| | | ProSeal, Supreme) ➤ The Oesophageal- |
| | | Tracheal Combitube; The King LT; Surgical cricothyroidotomy |
| | | Define the term rapid sequence intubation (RSI) and differentiate this from rapid sequence induction |
| | | Name the relative contra-indications to RSI. |
| | | Discuss the advantages and disadvantages of RSI. Appraise the current |
| | | evidence for and against pre-hospital ETI. |
| | | Appraise the current evidence for and against the use of RSI, particularly in the |
| | | |

| | | pre-hospital |
|-----|---------------|---|
| | | environment. |
| | | Define the RSI |
| | | process and explain |
| | | each of the steps |
| | | (preparation, pre- |
| | | |
| | | oxygenation, |
| | | pretreatment, |
| | | induction and |
| | | pharmacological |
| | | paralysis, application |
| | | of cricoid pressure, |
| | | intubation and |
| | | confirmation of tube |
| | | placement, post- |
| | | intubation |
| | | |
| | | management). |
| | | • Discuss the |
| | | physiological |
| | | response |
| | | (cardiovascular, |
| | | respiratory and CNS) |
| | | to laryngoscopy and |
| | | intubation. |
| | | Describe the factors to |
| | | be taken into |
| | | |
| | | |
| | | considering the |
| | | dosage of an |
| | | induction agent. |
| | | Explain the |
| | | mechanism of action, |
| | | pharmacokinetics, |
| | | adverse effects, |
| | | indications, |
| | | - |
| | | contraindications and |
| | | precautions for the |
| | | following agents: |
| | | Atropine; |
| | | Etomidate; |
| | | Ketamine; |
| | | Lignocaine; |
| | | Suxamethonium; |
| | | > Rocuronium; |
| | | Vecuronium; |
| | | - |
| | | Briefly outline the Bether by sieles and Bether by sieles a |
| | | pathophysiology, |
| | | incidence, detection |
| | | and treatment of |
| | | malignant |
| | | hyperthermia. |
| | | Describe the |
| | | pharmacological |
| | | considerations |
| | | |
| | | applicable to RSI in |
| | | patients with shock |
| | | states. |
| | | |
| 121 | PLILES AND RE | GULATIONS 2024 |

| 1 | | |
|--|-------|--|
| | | • Discuss the |
| | | differences in RSI |
| | | applied to paediatric |
| | | patients. |
| | | Discuss management |
| | | of the post-intubation |
| | | period with reference |
| | | |
| | | to positioning and |
| | | securing of the |
| | | endotracheal tube, |
| | | initiation of positive |
| | | pressure ventilation |
| | | (PPV) and treatment |
| | | of hypotension. |
| | | Give the dosage and |
| | | general approach for |
| | | post-intubation |
| | | sedation, analgaesia |
| | | and paralysis using |
| | | midazolam, morphine, |
| | | rocuroniumand |
| | | |
| | | vecuronium. |
| | | Explain the principle |
| | | of the "dimensions of |
| | | difficulty" triangle in |
| | | airway management. |
| | | Define both the |
| | | difficult and failed |
| | | airway |
| | | State the incidence of |
| | | difficult laryngoscopy, |
| | | first attempt |
| | | intubation, "can't |
| | | intubate, can't |
| | | ventilate situations |
| | | _ |
| | | and |
| | | cricothyroidotomy. |
| | | Explain the danger |
| | | and complications |
| | | related to multiple |
| | | intubation attempts. |
| | | • Discuss a logical |
| | | strategy to be |
| | | employed following |
| | | failed first, second and |
| | | third intubation |
| | | attempts. |
| | | Compile an algorithm |
| | | |
| | | for management of |
| | | the difficult airway |
| | | based on the previous |
| | | outcome. |
| | | • List the factors |
| | | contributing to |
| | | recognition of a failed |
| | | airway caused by |
| <u>. </u> | 1 | - |
| | | |

| T | | 1 | | |
|----------|--|---|---|------------------------------------|
| | | | | failed intubation and |
| | | | | by failed oxygenation. |
| | | | • | Discuss physiological |
| | | | | and pharmacological |
| | | | | considerations as well |
| | | | | as technical |
| | | | | alterations to airway |
| | | | | management for the |
| | | | | following conditions: |
| | | | | Increased intra- |
| | | | | |
| | | | | cranial pressure; |
| | | | | Ischaemic heart |
| | | | | disease; |
| | | | | Congestive |
| | | | | cardiac failure; |
| | | | | Cardiac arrest; |
| | | | | Obstructing |
| | | | | upper airway |
| | | | | pathology; |
| | | | | Penetrating neck |
| | | | | trauma; |
| | | | | Lower airway |
| | | | | disease; |
| | | | • | Describe the |
| | | | | pharmacological |
| | | | | consideration |
| | | | | applicable to RSI in |
| | | | | patients with shock |
| | | | | states. |
| | | | | |
| | | | • | Discuss the |
| | | | | physiological and |
| | | | | technical challenges |
| | | | | in airway |
| | | | | management of the |
| | | | | very young patient. |
| | | | • | Summarise the |
| | | | | differences in RSI |
| | | | | procedure applicable |
| | | | | to infants. |
| | | | • | Discuss the |
| | | | | physiological and |
| | | | | technical challenges |
| | | | | in airway |
| | | | | management of the |
| | | | | |
| | | | _ | very old patient. |
| | | | • | Summarise the |
| | | | | differences in RSI |
| | | | | procedure applicable |
| | | | | to an elderly patient. |
| | | | • | Describe how the use |
| | | | | of a "visual roadmap" |
| | | | | may help in preparing |
| | | | | for difficult situations |
| | | | | in airway |
| | | | | management. |
| | | | • | Explain how to assess |
| | | | | for, identify and |
| <u> </u> | | | | , , , |
| | | | | |

| | | | | manage the following |
|-----|---|--|-------------|-------------------------------|
| | | | | types of imbalances: |
| | | | | Extracellular |
| | | | | Fluid Volume |
| | | | | Deficit |
| | | | | Potassium |
| | | | | imbalance |
| | | | | Sodium |
| | | | | imbalance |
| | | | | Calcium |
| | | | | imbalance |
| | | | | Magnesium |
| | | | | imbalance |
| | | | | Abnormal blood |
| | | | | gas reading |
| | | | | Explain how to assess |
| | | | | for, identify and |
| | | | | manage the following |
| | | | | types of respiratory |
| | | | | injuries or disease |
| | | | | processes: |
| | | | | Respiratory |
| | | | | Failure |
| | | | | (regardless of |
| | | | | cause) |
| | | | | ➤ Hypoxia and |
| | | | | Hypoxemia: |
| | | | | = |
| | | | | ○ Types ○ Causes |
| | | | | |
| | | | | Management |
| | | | | Lung and chest |
| | | | | wall infections |
| | | | | Lung and chest |
| | | | | wall injuries |
| | | | | Pathology to the |
| | | | | respiratory |
| | | | | system caused by |
| | | | | other organ |
| | | | | systems, such as |
| | | | | Cor Pulmonale |
| | | | | Explain how to assess |
| | | | | for, identify and |
| | | | | manage the following |
| | | | | types of |
| | | | | cardiovascular |
| | | | | injuries or disease |
| | | | | processes: |
| | | | | Acute Coronary |
| | | | | Syndromes |
| | | | | Cardiac Failure |
| | | | | and related |
| | | | | pathologies |
| | | | | Hypertension and |
| | | | | related |
| | | | | pathologies |
| | | | | ➤ Hypotension |
| | | | | (regardless of |
| | | | | cause) |
| | 1 | | D E | , |
| 427 | | | RULES AND R | EGULATIONS 2024 |

| | | | Pathology and |
|-----|--|-------------|---|
| | | | injury to blood |
| | | | vessels |
| | | | Injuries to the |
| | | | myocardium |
| | | | Explain how to assess |
| | | | for, identify and |
| | | | manage the following |
| | | | |
| | | | types of central |
| | | | nervous system |
| | | | injuries or disease |
| | | | processes: |
| | | | Pain |
| | | | Stroke and |
| | | | related pathology |
| | | | Seizure activity |
| | | | (regardless of the |
| | | | cause) |
| | | | Brain and CSF |
| | | | infections |
| | | | ➤ Brain injury |
| | | | Skull injury |
| | | | Facial bone |
| | | | fractures |
| | | | ➤ Spinal cord |
| | | | disease and |
| | | | |
| | | | injury |
| | | | Explain how to assess |
| | | | for, identify and |
| | | | manage the following |
| | | | musculoskeletal |
| | | | injuries: |
| | | | Fractures |
| | | | Sprains |
| | | | Strains |
| | | | Dislocations |
| | | | Closed wounds |
| | | | Open wounds |
| | | | Crush injuries |
| | | | Compartment |
| | | | syndrome |
| | | | - |
| | | | Correctly assess, diagnose and manage. |
| | | | diagnose and manage |
| | | | the following |
| | | | disorders and |
| | | | emergencies: |
| | | | Blast injuries |
| | | | Ballistic related |
| | | | injuries |
| | | | Burns: |
| | | | Thermal |
| | | | o Airway |
| | | | Chemical |
| | | | o Crush |
| | | | syndrome |
| | | | Compartment |
| | | | syndrome |
| | | | Eye trauma: |
| | | | - |
| 428 | | RULES AND R | EGULATIONS 2024 |

| □ Lacerations □ Foreign bodies □ Impaled □ objects □ Blunt eye □ injuries □ Burns □ Dental trauma ■ Explain how to assess for, identify and manage the following gastro-intestinal system diseases or □ injuries: □ Peptic ulcer disease □ Common □ Infections and □ inflammation □ affecting organs □ n the GIT □ including the peritoneum □ Disorders related □ to hepatic pathology and faillure □ Disorders affecting the □ intestines □ Blunt □ Penetrating □ Injuries of Hollow □ Solid Viscera □ Bowel □ evisceration □ Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: □ Uremic □ Syndrome □ Acute Kidney □ Injury □ Genito Urinary □ Tract Injuries □ (blunt □ Repeated or injuries □ (blun | | | | |
|--|--|-----|---|------------------------------------|
| o limpaled objects o Blunt eye injuries o Burns ➤ Dental trauma • Explain how to assess for, identify and manage the following gastro-intestinal system diseases or injuries: ➤ Peptic ulcer disease ➤ Common infections and inflammation affecting organs in the GIT including the peritoneum ➤ Disorders related to hepatic pathology and failure ➤ Disorders related to hepatic pathology and failure ➤ Disorders for intestines ➤ Blunt & Penetrating the intestines ➤ Blunt & Penetrating liquries of Hollow & Solid Viscera ➤ Bowel evisceration • Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: ➤ Uremic Syndrome ➤ Acute Kidney Injury ➤ Genito Urinary Tract Injuries (blunt & penetrating) ➤ Testicular Torsion • Explain how to assess for, identify and manage the following genito-urinary Tract Injuries (blunt & penetrating) ➤ Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | Lacerations |
| o limpaled objects o Blunt eye injuries o Burns ➤ Dental trauma • Explain how to assess for, identify and manage the following gastro-intestinal system diseases or injuries: ➤ Peptic ulcer disease ➤ Common infections and inflammation affecting organs in the GIT including the peritoneum ➤ Disorders related to hepatic pathology and failure ➤ Disorders related to hepatic pathology and failure ➤ Disorders for intestines ➤ Blunt & Penetrating the intestines ➤ Blunt & Penetrating liquries of Hollow & Solid Viscera ➤ Bowel evisceration • Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: ➤ Uremic Syndrome ➤ Acute Kidney Injury ➤ Genito Urinary Tract Injuries (blunt & penetrating) ➤ Testicular Torsion • Explain how to assess for, identify and manage the following genito-urinary Tract Injuries (blunt & penetrating) ➤ Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | Foreign bodies |
| objects o Blunt eye injuries Dental trauma Explain how to assess for, identify and manage the following gastro-intestinal system diseases or injuries: Peptic ulcer disease Common infections and inflammation affecting organs in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: For identify and manage to following yntract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following pynecological and obstetrical | | | | |
| o Blunt eye injuries | | | | |
| injuries Dental trauma Explain how to assess for, identify and manage the following gastro-intestinal system diseases or injuries: Peptic ulcer disease Common infections and inflammation affecting organs in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| ■ Burns ■ Dental trauma ■ Explain how to assess for, identify and manage the following gastro-intestinal system diseases or injuries: ■ Peptic ulcer disease ■ Common infections and inflammation affecting organs in the GIT including the peritoneum ■ Disorders related to heperitoneum ■ Disorders related to pathology and failure ■ Disorders affecting the intestines ■ Blunt & Penetrating Injuries of Hollow & Solid Viscera ■ Bowel ■ evisceration ■ Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: ■ Uremic ■ Syndrome ■ Acute Kidney Injury ■ Genito Urinary ■ Tract Injuries (blunt & penetrating) ■ Testicular ■ Torsion ■ Explain how to assess for, identify and manage the following genetrating) ■ Testicular ■ Torsion ■ Explain how to assess for, identify and manage the following genetrating) ■ Testicular ■ Torsion ■ Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| P Dental trauma Explain how to assess for, identify and manage the following gastro-intestrial system diseases or injuries: Peptic ulcer disease Common infections and inflammation affecting organs in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Veremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| Explain how to assess for, identify and manage the following gastro-intestinal system diseases or injuries: Peptic ulcer disease Common infections and inflammation affecting organs in the GIT including the peritoneum Disorders related to pathology and failure Disorders related to pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Feginato Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| for. identify and manage the following gastro-intestinal system diseases or injuries: Peptic ulcer disease PCommon infections and inflammation affecting organs in the GIT including the peritoneum PDisorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: PURPING Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: PURPING Syndrome Acute Kidney Injury Fenitoular Torsion Explain how to assess for, identify and manage the following genetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | Dental trauma |
| for. identify and manage the following gastro-intestinal system diseases or injuries: Peptic ulcer disease PCommon infections and inflammation affecting organs in the GIT including the peritoneum PDisorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: PURPING Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: PURPING Syndrome Acute Kidney Injury Fenitoular Torsion Explain how to assess for, identify and manage the following genetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | Explain how to assess |
| manage the following gastro-intestinal system diseases or injuries: Peptic ulcer disease P Common infections and inflammation affecting organs in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) P Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | • |
| gastro-intestinal system diseases or injuries: > Peptic ulcer disease > Common infections and inflammation affecting organs in the GIT including the peritoneum > Disorders related to hepatic pathology and failure > Disorders affecting the intestines > Blunt & Penetrating Injuries of Hollow & Solid Viscera > Bowel evisceration • Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: > Uremic Syndrome > Acute Kidney Injury > Genito Urinary Tract Injuries (blunt & penetrating) > Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstettical | | | | |
| system diseases or injuries: > Peptic ulcer disease > Common infections and inflammation affecting organs in the GIT including the peritoneum > Disorders related to hepatic pathology and failure > Disorders affecting the intestines > Blunt & Penetrating Injuries of Hollow & Solid Viscera > Bowle evisceration • Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: > Uremic Syndrome > Acute Kidney Injury > Genito Urinary Tract Injuries (blunt & penetrating) > Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstettical | | | | |
| injuries: Peptic ulcer disease Common infections and inflammation affecting organs in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| Peptic ulcer disease Common infections and inflammation affecting organs in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuriary Torsion | | | | |
| disease Common infections and inflammation affecting organs in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system disease or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following genito-urinary system disease or injuries: Furbal More and the state of the | | | | |
| > Common infections and inflammation affecting organs in the GIT including the peritoneum > Disorders related to hepatic pathology and failure > Disorders affecting the intestines affecting the intestines > Blunt & Penetrating Injuries of Hollow & Solid Viscera > Bowel evisceration • Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: > Uremic Syndrome > Acute Kidney Injury > Genito Urinary Tract Injuries (blunt & penetrating) > Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| infections and inflammation affecting organs in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | disease |
| infections and inflammation affecting organs in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | Common |
| inflammation affecting organs in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| affecting organs in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders Blunt & Penetrating the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| in the GIT including the peritoneum Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| including the peritoneum Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Torsion Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Festicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| peritoneum Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| Disorders related to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following genito-urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| to hepatic pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | Disorders related |
| pathology and failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | to hepatic |
| failure Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| Disorders affecting the intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| affecting the intestines Blunt Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| intestines Blunt & Penetrating Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| ➢ Blunt Penetrating Injuries of Hollow & Solid Viscera ➢ Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: ➢ Uremic Syndrome ➢ Acute Kidney Injury ➢ Genito Urinary Tract Injuries (blunt penetrating) ➢ Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| Penetrating Injuries of Hollow & Solid Viscera > Bowel evisceration • Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: > Uremic Syndrome > Acute Kidney Injury > Genito Urinary Tract Injuries (blunt & penetrating) > Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| Injuries of Hollow & Solid Viscera Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| & Solid Viscera | | | | Penetrating |
| & Solid Viscera | | | | Injuries of Hollow |
| ➢ Bowel evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: ➢ Uremic Syndrome ➢ Acute Kidney Injury ➢ Genito Urinary Tract Injuries (blunt & penetrating) ➢ Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| evisceration Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| Explain how to assess for, identify and manage the following genito-urinary system diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| for, identify and manage the following genito-urinary system diseases or injuries: > Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| manage the following genito-urinary system diseases or injuries: > Uremic Syndrome > Acute Kidney Injury > Genito Urinary Tract Injuries (blunt & penetrating) > Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | • |
| genito-urinary system diseases or injuries: > Uremic Syndrome > Acute Kidney Injury > Genito Urinary Tract Injuries (blunt & penetrating) > Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| diseases or injuries: Uremic Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| ▶ Uremic Syndrome ▶ Acute Kidney Injury ▶ Genito Urinary Tract Injuries (blunt & penetrating) ▶ Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| Syndrome Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | Uremic |
| Acute Kidney Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| Injury Genito Urinary Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | • |
| ➤ Genito Urinary Tract Injuries (blunt & penetrating) ➤ Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| Tract Injuries (blunt & penetrating) Testicular Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| (blunt & penetrating) ➤ Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | • 1 |
| penetrating) ➤ Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | , i |
| ➤ Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | ` |
| ➤ Testicular Torsion • Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | penetrating) |
| Torsion Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| Explain how to assess for, identify and manage the following gynecological and obstetrical | | | | |
| for, identify and manage the following gynecological and obstetrical | | | | |
| manage the following gynecological and obstetrical | | | | |
| gynecological and obstetrical | | | | |
| obstetrical | | | | |
| obstetrical | | | | gynecological and |
| | | | | |
| | | | | |
| | | 1 1 | l | <u>-</u> |

| | | 1 | T | | |
|---|------|---|---|----------|------------------------|
| | | | | > | Inappropriate and |
| | | | | | abnormal vaginal |
| | | | | | bleeding – |
| | | | | | irrespective of the |
| | | | | | cause |
| | | | | > | Preeclampsia & |
| | | | | | ecclampsia |
| | | | | > | Malpresentation |
| | | | | ŕ | of fetus |
| | | | | > | Prolapsed cord |
| | | | | > | Premature labor |
| | | | | > | Uterine inversion |
| | | | | | |
| | | | | | plain how to assess |
| | | | | for, | _ |
| | | | | | nage the following |
| | | | | end | docrine disorders |
| | | | | and | d emergencies: |
| | | | | > | Diabetes Mellitus |
| | | | | | and related |
| ļ | | | | | complications |
| | | | | A | Inappropriate |
| ļ | | | | , | ADH Secretion |
| | | | | > | Hyperthyroidism |
| | | | | | and |
| | | | | | |
| | | | | _ | Hypothyroidism |
| | | | | > | , |
| | | | | | Disease |
| | | | | | Cushing's |
| | | | | | Syndrome |
| | | | | | Phaechromocyto |
| | | | | | ma |
| | | | | • Ex | plain how to assess |
| | | | | for, | |
| | | | | | nage conditions |
| | | | | | ated to HIV/AIDS. |
| | | | | | plain how to assess |
| | | | | for | |
| | | | | | orders and |
| | | | | | |
| | | | | | ergencies that |
| | | | | | uld arise due to viral |
| | | | | | morrhagic fevers. |
| | | | | | plain the risks that |
| | | | | | associated with |
| | | | | the | management of |
| | | | | vira | al hemorrhagic |
| | | | | fev | ers, as well as how |
| | | | | | nitigate those risks. |
| | | | | | plain how to report |
| | | | | | HF incident. |
| | | | | | plain how to assess |
| | | | | • ⊏xi | |
| | | | | | , |
| | | | | | orders and |
| | | | | | ergencies that |
| | | | | | uld arise due to viral |
| | | | | | morrhagic fevers in |
| | | | | | written knowledge |
| | | | | tas | k. |
| | | | | | |

| Fire Search | FSR01Y | 100% | 0% | 6 | 12 | The purpose of this | Explain the risks that are associated with the management of viral hemorrhagic fevers, as well as how to mitigate those risks in a written knowledge task. Explain how to report a VHF incident as part of a scenario based question in a written knowledge task. The following conditions have relevance: Ebola Viral Haemorrhagic Fever Marburg Viral Haemorrhagic Fever Lassa Fever Yellow Fever Malaria |
|-------------|--------|------|----|---|----|--|--|
| & Rescue 1 | 2 | | | | | module was to provide the student with the skills and knowledge for incidents involving victims that need to be searched for and rescued from incidents involving oxygen deprived environments in smoke and heat-filled compartments. This module highlighted basic fire behaviour and it's dynamics as well as the equipment that is used on the fireground. The major focus of the module was the use of self-contained breathing apparatus and deployment for search and rescue. | this module, the following learning outcomes were achieved: • Fire dynamics and fire behavior • Discuss the physical and chemical changes of matter. • Define the following terms relating to the science of fire: • Fire triangle • Fire tetrahedron • Combustion • Heat • Vaporisation • Flash point • Fire point • Ignition temperatures • Pyrolysis • Discuss the ways in which heat is transferred. • List the sources of heat energy. • List the products of combustion. |

| Т | | |
|---|--------------|---|
| | | Explain how fires |
| | | are classified. |
| | | Differentiate |
| | | between fuel |
| | | controlled and |
| | | ventilation |
| | | controlled fire |
| | | development. |
| | | o Describe the |
| | | phases/stages of |
| | | fire in a |
| | | compartment. o Define the |
| | | |
| | | following terms relating to the |
| | | growth stage of fire |
| | | in a compartment: |
| | | ■ Thermal |
| | | layering |
| | | ■ Rollover |
| | | ■ Flashover |
| | | Describe the |
| | | formation of a |
| | | backdraft in a |
| | | compartmental fire. |
| | | Explain the factors |
| | | that influence the |
| | | development of fire |
| | | within a |
| | | compartment. |
| | | o Discuss the |
| | | principles in which |
| | | a fire can be |
| | | controlled. |
| | | Identify the |
| | | commonly used |
| | | extinguishing |
| | | agents. |
| | | Danas and must active |
| | | Personal protective |
| | | equipment used for |
| | | fire search and |
| | | rescue |
| | | Identify the points |
| | | that should be |
| | | taken into |
| | | consideration |
| | | when choosing the |
| | | following items for |
| | | fire search and |
| | | rescue: |
| | | Helmet |
| | | Protective |
| | | hood |
| | | ('flashhood') |
| | | ■ Hearing ´ |
| | | protection |
| | | |
| | | |

| Eye protection | Т | | |
|--|---|--------------|---|
| turnout coat and trousers (Bunker gear) Protective footwear Protective handwear Personal Alert Safety System (PASS) device Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the equipment Limitations of the equipment Limitations of the equipment Limitations of the air supply Identify the various types of breathing apparatus Sypes of breathing apparatus Sypes of breathing apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus (SCBA) Open-circuit Airline Limitation of each of the components of an SCBA. (Incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| and trousers (Bunker gar) Protective footwear Protective handwear Personal Alert Safety System (PASS) device Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue, Describe the limitations of the various breathing apparatus with regard to: Limitations of the equipment Limitations of the equipment Limitations of the air supply Identify the various types of breathing apparatus. Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Arliline Closed-circuit Breathing Apparatus Obescribe the function of each of the components of an SCBA, (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. | | | |
| (Bunker gear) Protective footwear Protective handwear Protective handwear Personal Alert Safety System (PASS) device Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the warer Limitations of the equipment Limitations of the equipment Limitations of the explain the air supply ledentify the various types of breathing apparatus. (SCBA) Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Limitation of each of the components of an SCBA. (Incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | turnout coat |
| Protective footwear Protective handwear Protective handwear Personal Alert Safety System (PASS) device Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the wearer Limitations of the wearer Limitations of the wearer Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Limitations of the air supply to the air supply of the air supply to the | | | and trousers |
| Forective handwear Protective handwear Personal Alert Safety System (PASS) device Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the equipment Limitations of the equipment Limitations of the air supply delatify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Open-circuit Airline Limitation of each of the components of an SCBA. List the areas that should be checked during a daily visual inspection of an SCBA. List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| Protective handwear Personal Alert Safety Systeme (PASS) device Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to. Limitations of the various breathing apparatus with regard to. Limitations of the various types of the air supply of the equipment the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus (SCBA) Describe the function of each of the components of an SCBA. (Incin mask) List the areas that should be checked during a daily visual inspection of an SCBA. | | | |
| handwear Personal Alert Safety System (PASS) device Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the wearer Limitations of the equipment Limitations of the air supply dentify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus (SCBA) Describe the function of each of the components of the components of an SCBA. (Inci mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | footwear |
| Personal Alert Safety System (PASS) device Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus apparatus Limitations of the equipment Limitations of the equipment Limitations of the air supply detaffy the various types of breathing apparatus: Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus (SCBA) Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | Protective |
| Safety System (PASS) device Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the various breathing apparatus with regard to: Limitations of the warious the equipment in the search of the searc | | | handwear |
| (PASS) device Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the various breathing apparatus with regard to: Limitations of the equipment Limitations of the wearer Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus: Open-circuit Airline Closed-circuit Airline Closed-circuit Breathing Apparatus (SCBA) Open-circuit Airline Limitations of the carbon the components of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. | | | Personal Alert |
| (PASS) device Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the various breathing apparatus with regard to: Limitations of the equipment Limitations of the wearer Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus: Open-circuit Airline Closed-circuit Airline Closed-circuit Breathing Apparatus (SCBA) Open-circuit Airline Limitations of the carbon the components of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. | | | Safety System |
| Explain how you would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the wearer Limitations of the equipment Limitations of the equipment Limitations of the equipment Limitations of the equipment are supply dentify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Airline Closed-circuit Breathing Apparatus Open-circuit Airline Limitations of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. | | | |
| would care for, and maintain all the aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the wearer Limitations of the wearer Limitations of the wearer Limitations of the wearer Limitations of the ari supply dentify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus: Open-circuit Airline Closed-circuit Breathing Apparatus Open-circuit Airline Closed-circuit Breathing Apparatus (SCBA) Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. | | | |
| aforementioned items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the equipment the equipment timitations of the air supply ldentify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus: Open-circuit Airline Closed-circuit Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus (SCBA) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the factors and a scapa. | | | |
| items. Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the wearer Limitations of the equipment Limitations of the equipment Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus O Describe the function of each of the components of an SCBA. List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | maintain all the |
| Explain reasons for using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the warious of the equipment Limitations of the equipment. Limitations of the arisupply deltify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus SCBA Opescribe the function of each of the components of an SCBA. (Incli mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | aforementioned |
| using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the wearer Limitations of the equipment Limitations of the air supply dentify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. | | | items. |
| using respiratory protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the wearer Limitations of the equipment Limitations of the air supply dentify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. | | | Explain reasons for |
| protection during fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the equipment Limitations of the equipment Limitations of the apparatus: United the equipment Limitations of the equipment Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Airline Closed-circuit Airline Limitations of the equipment Limitations of the equipment Self Contained Breathing Apparatus Open-circuit Airline Closed-circuit Airline Closed-circuit Airline Closed-circuit Airline Apparatus Open-circuit Airline Limitations of the equipment Self Contained Breathing Apparatus (SCBA) Describe the function of each of the components of an SCBA. (inclimask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| fire search and rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the equipment Limitations of the equipment Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| rescue. Describe the limitations of the various breathing apparatus with regard to: Limitations of the equipment Limitations of the equipment Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| limitations of the various breathing apparatus with regard to: Limitations of the wearer Limitations of the equipment Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Obsercibe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | rescue. |
| limitations of the various breathing apparatus with regard to: Limitations of the wearer Limitations of the equipment Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Obsercibe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| apparatus with regard to: Limitations of the wearer Limitations of the equipment Limitations of the equipment Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | limitations of the |
| apparatus with regard to: Limitations of the wearer Limitations of the equipment Limitations of the equipment Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the less of an SCBA. | | | various breathing |
| regard to: Limitations of the wearer Limitations of the equipment the air supply or ldentify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Airline Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | 9 |
| Limitations of the wearer Limitations of the equipment Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Obescribe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| Limitations of the equipment Limitations of the air supply location limits are limits and limits and limits are limits a | | | |
| the equipment Limitations of the air supply leantify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | the wearer |
| the equipment Limitations of the air supply leantify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | Limitations of |
| Limitations of the air supply Identify the various types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Obscribe Incition of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the Obscribe Describe | | | |
| the air supply oldentify the various types of breathing apparatus: • Open-circuit Self Contained Breathing Apparatus (SCBA) • Open-circuit Airline • Closed-circuit Breathing Apparatus Obescribe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Obescribe the | | | |
| o Identify the various types of breathing apparatus: • Open-circuit Self Contained Breathing Apparatus (SCBA) • Open-circuit Airline • Closed-circuit Breathing Apparatus Obescribe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Obescribe the | | | |
| types of breathing apparatus: Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Open-circuit Airline Closed-circuit Breathing Apparatus Open-circuit Airline List the areas that should be checked during a daily visual inspection of an SCBA. Open-circuit Describe the function of each of the components of an SCBA. Open-circuit Self Contained Breathing Apparatus Open-circuit Airline List the areas that should be checked during a daily visual inspection of an SCBA. | | | |
| apparatus: | | | |
| Open-circuit Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Open-circuit Airline Closed-circuit Breathing Apparatus Open-circuit Airline Closed-circuit Breathing Apparatus List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| Self Contained Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| Breathing Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| Apparatus (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| (SCBA) Open-circuit Airline Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| Describe the function of each of an SCBA. List the areas that should be checked during a daily visual inspection of an SCBA. Describe the function of each of an SCBA. Describe the function of each of an SCBA. Describe the order of an SCBA. Describe the | | | |
| Airline Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| Closed-circuit Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| Breathing Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| Apparatus Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| Describe the function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| function of each of the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| the components of an SCBA. (incl mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| an SCBA. (incles mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| mask) List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| List the areas that should be checked during a daily visual inspection of an SCBA. Describe the | | | ` |
| should be checked during a daily visual inspection of an SCBA. Describe the | | | |
| during a daily visual inspection of an SCBA. Describe the | | | |
| visual inspection of an SCBA. Describe the | | | |
| an SCBA. Describe the | | | |
| o Describe the | | | |
| | | | |
| is it is a second of the secon | | | |
| | | | |

| Г | | | |
|-------|--|---|----------------------------|
| | | | relation to high |
| | | | pressure vessels. |
| | | | Pressure |
| | | | Volume |
| | | | Flow |
| | | 0 | Calculate air |
| | | | consumption of the |
| | | | wearer of an |
| | | | SCBA. |
| | | 0 | Calculate the |
| | | | estimated duration |
| | | | on air of the wearer |
| | | | of an SCBA. |
| | | 0 | Explain the factors |
| | | | that will affect air |
| | | | consumption of the |
| | | | wearer of an |
| | | | SCBA. |
| | | 0 | List the steps that |
| | | • | should be followed |
| | | | in emergency |
| | | | situations while |
| | | | using an SCBA. |
| | | 0 | Discuss the |
| | | Ŭ | dangers |
| | | | associated with |
| | | | 'skip breathing'. |
| | | 0 | Explain the |
| | | Ü | process of |
| | | | hydrostatic testing |
| | | | with regards to |
| | | | high pressure |
| | | | vessels used with |
| | | | the SCBA. |
| | | | |
| | | 0 | Briefly explain how |
| | | | air is compressed |
| | | | using a 3-stage |
| | | | compressor unit. |
| | | 0 | List the |
| | | | precautionary |
| | | | safety measures |
| | | | that should be |
| | | | adhered to when |
| | | | using a |
| | | | compressor. |
| | | 0 | Discuss what |
| | | | considerations |
| | | | need to be taken |
| | | | when using a |
| | | | portable |
| | | | compressor in an |
| | | | outdoor location. |
| | | 0 | List the |
| | | | considerations that |
| | | | need to be taken |
| | | | when storing |
| | | | pressure vessels. |
| | | | |
| 1 | | | |

| techniques on the fireground Explain what is meant by risk vs. benefit on the fire ground. I dentify the various building types with regard to their construction and layout. Discuss the associated dangers that the different building components may pose to a search and rescue team during a fire. List the factors that should be considered when determining the potential for a structure to collapse during a fire. List the indicators of potential or imminent collapse during a fire. Explain how a collapse during a fire. Explain how a collapse zone is determined on the exterior of the building. Explain the considerations of occupancy when engaging in search and rescue. Explain what should be considered when engaging in search and rescue. Explain what should be considered when engaging in search and rescue. | | | | • Se | earch and rescue |
|--|-----|--|------------|-----------|--|
| meant by 'risk vs. benefit' on the fire ground. Identify the various building types with regard to their construction and layout. Discuss the associated dangers that the different building components may pose to a search and rescue team during a fire. List the factors that should be considered when determining the potential for a structure to collapse during a fire. List the indicators of potential or imminent collapse during a fire. List the indicators of potential or or imminent collapse during a fire. Explain how a collapse zone is determined on the exterior of the building. Explain the considerations of 'occupancy' when engaging in search and rescue. Explain what should be considered when doing a 'scene size-up.' List the 'search-safety' guidelines' | | | | | |
| ldentify the various building types with regard to their construction and layout. Discuss the associated dangers that the different building components may pose to a search and rescue team during a fire. List the factors that should be considered when determining the potential for a structure to collapse during a fire. List the indicators of potential or imminent collapse during a fire. Explain how a collapse zone is determined on the exterior of the building. Explain how a collapse zone is determined on the exterior of the building. Explain the considerations of 'occupancy' when engaging in search and rescue. Explain what should be considered when doing a 'scene size-up.' List the 'search-safety' guidelines | | | | | Explain what is meant by 'risk vs. benefit' on the fire |
| layout. Discuss the associated dangers that the different building components may pose to a search and rescue team during a fire. List the factors that should be considered when determining the potential for a structure to collapse during a fire. List the indicators of potential or imminent collapse during a fire. Explain how a collapse zone is determined on the exterior of the building. Explain the considerations of 'occupancy' when engaging in search and rescue. Explain what should be considered when doing a 'scene size-up.' List the 'search-safety' guidelines | | | | 0 | Identify the various building types with regard to their |
| different building components may pose to a search and rescue team during a fire. List the factors that should be considered when determining the potential for a structure to collapse during a fire. List the indicators of potential or imminent collapse during a fire. Explain how a collapse zone is determined on the exterior of the building. Explain the considerations of 'occupancy' when engaging in search and rescue. Explain what should be considered when doing a 'scene size-up.' List the 'search-safety' guidelines | | | | 0 | layout. Discuss the associated |
| List the factors that should be considered when determining the potential for a structure to collapse during a fire. List the indicators of potential or imminent collapse during a fire. Explain how a collapse zone is determined on the exterior of the building. Explain the considerations of 'occupancy' when engaging in search and rescue. Explain what should be considered when doing a 'scene size-up.' List the 'search-safety' guidelines | | | | | different building components may pose to a search and rescue team |
| potential for a structure to collapse during a fire. List the indicators of potential or imminent collapse during a fire. Explain how a collapse zone is determined on the exterior of the building. Explain the considerations of 'occupancy' when engaging in search and rescue. Explain what should be considered when doing a 'scene size-up.' List the 'search-safety' guidelines | | | | 0 | List the factors that should be considered when |
| List the indicators of potential or imminent collapse during a fire. Explain how a collapse zone is determined on the exterior of the building. Explain the considerations of 'occupancy' when engaging in search and rescue. Explain what should be considered when doing a 'scene size-up.' List the 'search-safety' guidelines | | | | | potential for a structure to collapse during a |
| collapse zone is determined on the exterior of the building. Explain the considerations of 'occupancy' when engaging in search and rescue. Explain what should be considered when doing a 'scene size-up.' List the 'search-safety' guidelines | | | | 0 | List the indicators of potential or imminent collapse |
| Explain the considerations of 'occupancy' when engaging in search and rescue. Explain what should be considered when doing a 'scene size-up.' List the 'search-safety' guidelines | | | | 0 | collapse zone is determined on the exterior of the |
| Explain what should be considered when doing a 'scene size-up.' List the 'search-safety' guidelines | | | | 0 | considerations of 'occupancy' when engaging in search |
| o List the 'search-safety' guidelines | | | | 0 | Explain what should be considered when doing a 'scene |
| adhered on the | | | | 0 | List the 'search- safety' guidelines that need to be adhered on the |
| fireground. Discuss the common occupant behaviour of the following victim types in a fire: | | | | 0 | Discuss the common occupant behaviour of the following victim |
| | 435 | | RUI ES AND | DECL!! AT | • |

| | | | |
|------|------|---|----------------------------|
| | | | Adults |
| | | | Children |
| | | | Babies |
| | | | Elderly |
| | | | persons |
| | | | Animals |
| | | 0 | List the information |
| | | | that should be |
| | | | gathered from |
| | | | residents/neighbou |
| | | | rs that are found on |
| | | | the fireground. |
| | | 0 | Explain the |
| | | O | principles of BA |
| | | | Command and |
| | | | Control. |
| | | _ | |
| | | 0 | • |
| | | | procedure for the |
| | | | control of a 'rapid- |
| | | | deployment' |
| | | | search and rescue |
| | | | team. |
| | | 0 | Identify the various |
| | | | types of |
| | | | communication |
| | | | that can be used |
| | | | during fire search |
| | | | and rescue |
| | | | operations. |
| | | 0 | Explain the use of |
| | | | personnel lines |
| | | | used during |
| | | | searches. |
| | | 0 | List the priorities of |
| | | | a Primary Search. |
| | | 0 | Differentiate |
| | | | between a Primary |
| | | | and Secondary |
| | | | Search. |
| | | 0 | Explain what |
| | | | should be |
| | | | considered when |
| | | | searching a multi- |
| | | | storey building. |
| | | 0 | Describe the |
| | | J | function of a rapid |
| | | | intervention team. |
| | | | (RIT) |
| | | 0 | List the |
| | | J | circumstances/con |
| | | | ditions when a |
| | | | |
| | | | · |
| | | | moved to safety, |
| | | | before they receive |
| | | | treatment, once |
| | | | located during the |
| | | | search. |
| | | | |
| | | | |

| | | | Structural access |
|-----|--|------|--|
| | | | Structural access techniques |
| | | | Define 'forcible entry' as it is applicable to the Fire Brigade Act. |
| | | | List the four basic categories of foreible entry tools. |
| | | | forcible entry tools. o Understand the association |
| | | | between specific tools and special forcible entry |
| | | | needs. o List the items to look for when 'sizing-up' at door |
| | | | for potential forcible entry. |
| | | | Describe the basic construction of a typical door. |
| | | | Describe the basic construction of a typical window. |
| | | | Describe the basic construction of a typical wall. |
| | | | List the hazards associated with forcible entry. |
| | | | o Identify the different parts of a ladder. |
| | | | List the precautions that you need to take before raising a ladder |
| | | | Ventilation on the Fireground |
| | | | Describe reasons that you would ventilate on a fireground. |
| | | | List the hazards that could be in a building or compartment with accumulated |
| | | | smoke and gas. o Identify the considerations that affect the decision to ventilate. |
| 437 | | RULI | ES AND REGULATIONS 2024 |

| | T T | | |
|--|-----|----|---------------------------------------|
| | | 0 | Define 'vertical' ventilation. |
| | | 0 | Define 'horizontal' |
| | | | ventilation. |
| | | 0 | List the warning signs of an |
| | | | unstable roof. |
| | | 0 | Differentiate |
| | | | between positive |
| | | | pressure |
| | | | ventilation (PPV) and negative |
| | | | pressure |
| | | | ventilation (NPV) |
| | | 0 | List the |
| | | | disadvantages of |
| | | | hydraulic ventilation. |
| | | _ | |
| | | | re fighting quipment |
| | | 60 | |
| | | 0 | Classify the |
| | | | various types of portable fire |
| | | | extinguishers. |
| | | 0 | Explain the care |
| | | | and maintenance |
| | | | of a portable fire extinguisher. |
| | | 0 | Identify different |
| | | | types of portable |
| | | | smothering |
| | | 0 | devices. Identify different |
| | | Ü | types of hydrants. |
| | | 0 | Explain how to |
| | | 0 | locate a hydrant. Discuss the |
| | | O | fundamentals of |
| | | | water supply to the |
| | | | fireground and fire |
| | | 0 | source. Identify the |
| | | O | different hose |
| | | | construction. |
| | | 0 | Identify the |
| | | | different hose |
| | | 0 | couplings. Identify the |
| | | 9 | meaning of voice |
| | | | and signal |
| | | | commands relating |
| | | | to the use of hose on the fireground. |
| | | 0 | Identify different |
| | | | types of branches |
| | | | used. |
| | | | |

| | | T T | Evelaio Alas |
|--------------|--|-----|---|
| | | | Explain the function of the |
| | | | different streams |
| | | | that are created by |
| | | | various branches. |
| | | | |
| | | | • |
| | | | is generated. o List the reasons for |
| | | | List the reasons for the use of foam. |
| | | | 1.1 |
| | | | o identify different aerial appliances |
| | | | that may be found |
| | | | on the fireground. |
| | | | |
| | | | of aerial appliances |
| | | | which can be used |
| | | | for search and |
| | | | |
| | | | rescue operations. |
| | | | Practical skills |
| | | | outcomes |
| | | | |
| | | | o Act in a safe |
| | | | manner during all |
| | | | fire search and |
| | | | rescue training |
| | | | scenarios. |
| | | | Correctly don and |
| | | | doff all PPE used |
| | | | for fire search and |
| | | | rescue. |
| | | | Stage an area for |
| | | | all fire search and |
| | | | rescue equipment |
| | | | during training. |
| | | | Fulfil the role of |
| | | | each member |
| | | | within a fire search |
| | | | and rescue team. |
| | | | Correctly assemble |
| | | | an SCBA to be |
| | | | used for search |
| | | | and rescue. |
| | | | Correctly carryout |
| | | | pre-use check all |
| | | | components of the |
| | | | SCBA including: |
| | | | ■ Visual |
| | | | inspection |
| | | | High pressure |
| | | | test |
| | | | Low pressure |
| | | | test |
| | | | Negative |
| | | | pressure test |
| | | | of the mask |
| | | | Positive |
| | | | pressure leak |
| | | | |
| <u> </u> | | | |

| | | |
|-------------|--|--|
| | | test of the |
| | | mask |
| | | Demand valve |
| | | test |
| | | ■ Purge valve |
| | | test |
| | | Correctly don and |
| | | doff the SCBA |
| | | using different |
| | | techniques. |
| | | |
| | | o Care and maintain all the SCBA |
| | | |
| | | components. |
| | | Fulfil the roles and |
| | | responsibility of an |
| | | Entry Control |
| | | Officer. |
| | | Correctly manage |
| | | a BA tally board. |
| | | o Correctly use a |
| | | SCBA under the |
| | | following |
| | | conditions: |
| | | Areas of |
| | | limited visibility |
| | | for more than |
| | | 15min |
| | | ■ Pass through |
| | | dimension- |
| | | restricted |
| | | areas |
| | | Carryout tasks |
| | | |
| | | in hot and |
| | | oxygen |
| | | deprived |
| | | compartments |
| | | Search for |
| | | victims and |
| | | objects in |
| | | limited visibility |
| | | Rescue |
| | | victims using |
| | | different drag |
| | | and carry |
| | | techniques |
| | | ■ Complete an |
| | | obstacle |
| | | course to |
| | | |
| | | simulate |
| | | barricades, |
| | | restrictions |
| | | and difficulty of |
| | | equipment. |
| | | While carrying |
| | | out forcible |
| | | entry tasks. |
| | | - |
| | | |

| | 1 1 | T | | |
|--|-----|---|---|---------------------------------------|
| | | | | Working on |
| | | | | ground |
| | | | | ladders. |
| | | | 0 | Follow the |
| | | | | recommended |
| | | | | actions during |
| | | | | emergency |
| | | | | situations caused |
| | | | | by SCBA |
| | | | | malfunctions. |
| | | | 0 | Use a hose line to |
| | | | | exit a building by |
| | | | | identifying the |
| | | | | couples. |
| | | | 0 | Conduct a primary |
| | | | 0 | search. |
| | | | 0 | Conduct a |
| | | | O | secondary search |
| | | | 0 | Conduct a search |
| | | | J | using a |
| | | | | tag/personnel line. |
| | | | 0 | Conduct a search |
| | | | O | for a victim in a |
| | | | | |
| | | | | , , , , , , , , , , , , , , , , , , , |
| | | | | area using the |
| | | | | left/right hand rule. |
| | | | 0 | Correctly mark an |
| | | | | area that has been |
| | | | | searched using |
| | | | | recognised |
| | | | | methods. |
| | | | 0 | Correctly manage |
| | | | | a conscious victim |
| | | | | once they have |
| | | | | been located and |
| | | | | assist them to |
| | | | | safety. |
| | | | 0 | Correctly move an |
| | | | | unconscious |
| | | | | patient using the |
| | | | | following |
| | | | | techniques: |
| | | | | Incline drag |
| | | | | Blanket drag |
| | | | | Webbing drag |
| | | | | Cradle-in-arms |
| | | | | lift/carry |
| | | | | Seat lift/carry |
| | | | | - |
| | | | | • |
| | | | | lift/carry |
| | | | | ■ Extremities |
| | | | | lift/carry |
| | | | | ■ Chair lift/carry |
| | | | | Litter carry |
| | | | | Spineboard / |
| | | | | Scoop stretcher |
| | | | | carry |
| | | | | |
| | | | | |

| | | |
|-----------------|---------------------------------------|---|
| | | Force entry using |
| | | the appropriate tool |
| | | through: |
| | | Outward and |
| | | inward swinging |
| | | doors |
| | | Different |
| | | windows |
| | | ■ Burglar bars |
| | | and gates |
| | | ■ Roller shutter |
| | | doors |
| | | ■ Padlocks |
| | | Electric gates |
| | | Care and maintain |
| | | all forcible entry |
| | | tools |
| | | Use the following |
| | | techniques to carry |
| | | and move a ground |
| | | ladder: |
| | | One fire-fighter |
| | | low shoulder |
| | | Two fire-fighter |
| | | low shoulder |
| | | ■ Three fire- |
| | | |
| | | fighter flat shoulder |
| | | |
| | | Correctly tie a |
| | | halyard of a ground ladder. |
| | | |
| | | Correctly raise and lower the following |
| | | ladders: |
| | | ■ Single ladder |
| | | ■ Extension |
| | | ladder |
| | | 0 " ' ' |
| | | Correctly pivot and shift a ladder |
| | | Perform a 'leg lock' |
| | | while carrying out a |
| | | task on a ground |
| | | ladder |
| | | Assist a conscious |
| | | victim down a |
| | | ladder. |
| | | o Remove an |
| | | unconscious victim |
| | | down a ground |
| | | ladder |
| | | Using a ladder to |
| | | access an area to |
| | | be searched |
| | | carrying an |
| | | appropriate forcible |
| | | entry tools. |
| | | , , |
| . ' | , , , , , , , , , , , , , , , , , , , | |

| | | | | | | | Correctly operate a portable fire extinguisher. Correctly locate and operate a standpipe hydrant system in the correct manner. Connect a hose line with the following coupling: NST Instantaneous Storz |
|--------------------------------------|-------------|------|----|---|----|---|--|
| Foundations of Professional Practice | FPP01Y 1 | 100% | 0% | 5 | 12 | In order to function effectively as a professional emergency care provider it is important to recognise that there exists an additional body of knowledge, skills and insights apart from that which can be directly linked to the clinical management of the ill or injured patient. As the student worked through this module, they were exposed to this important area of emergency care practice that is often taken for granted. The aim of this module was thus to enable the student to function effectively and professionally within an emergency health care system or structure. | Throughout completion of this module, the following learning outcomes were achieved: Identify the aims of the National Health system, and discuss the shortfalls and potential solutions with regard thereto. Elaborate on the terms below: Batho Pele Principles Patients' Right Charter Constitution Identify the relevant role players in the National Health system that are responsible to ensure that the requirements of the Constitution, Batho Pele and the Patients' Right Charter reach the client. Identify positions within an organogram of: The National Department of Health A Provincial EMS A Local Authority EMS Briefly discuss the roles of the following people: Minister of Health MEC of Health |

| | | | Highlight the problems and benefits with regard to a strong developing private health sector. Identify the various health establishments List the functions of the health establishments at each level Describe the function of each health establishment. List the different levels of Trauma Centre accreditation as outlined by the Trauma Society of SA. Describe the criteria which make up each accredited level. Describe the benefits of such a system. Identify positions |
|-----|--|-----|---|
| | | | A major tertiary health establishment |
| | | | List the objectives of ambulance services as outlined in the Gauteng Ambulance Services act. |
| | | | Explain how the various acts and regulations came into |
| | | | being. Explain the importance and purpose of an act. Explain how acts are |
| | | | amended.Discuss the procedure that is |
| | | | followed when two acts are in conflict. • Explain the role and |
| | | | function of the Health Professions Council of South Africa (HPCSA). |
| | | | Discuss the relationship between the Professional Board of Emergency |
| 444 | | l l | LES AND REGULATIONS 2024 |

| Care (PBEC) and the HPCSA List the subcommittees within the PBEC Explain the importance of reporting malpractice to the HPCSA. Discuss the procedures you should follow if you are accused of malpractice Define the legal terminology below: Consent Malpractice Negligence Confidentiality and Privacy Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-male |
|--|
| List the sub-committees within the PBEC Explain the importance of reporting malpractice to the HPCSA. Discuss the procedures you should follow if you are accused of malpractice Define the legal terminology below: Consent Malpractice Negligence Confidentiality and Privacy Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| committees within the PBEC Explain the importance of reporting malpractice to the HPCSA. Discuss the procedures you should follow if you are accused of malpractice Define the legal terminology below: Consent Malpractice Negligence Confidentiality and Privacy Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Non-maleficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| PBEC Explain the importance of reporting malpractice to the HPCSA. Discuss the procedures you should follow if you are accused of malpractice Define the legal terminology below: Consent Malpractice Negligence Confidentiality and Privacy 'Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| Explain the importance of reporting malpractice to the HPCSA. Discuss the procedures you should follow if you are accused of malpractice Define the legal terminology below: Consent Malpractice Negligence Negligence Confidentiality and Privacy 'Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| importance of reporting malpractice to the HPCSA. Discuss the procedures you should follow if you are accused of malpractice Define the legal terminology below: Consent Malpractice Negligence Negligence Confidentiality and Privacy Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| reporting malpractice to the HPCSA. Discuss the procedures you should follow if you are accused of malpractice Define the legal terminology below: Consent Malpractice Negligence Confidentiality and Privacy Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| to the HPCSA. Discuss the procedures you should follow if you are accused of malpractice Define the legal terminology below: Consent Malpractice Negligence Confidentiality and Privacy 'Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| Discuss the procedures you should follow if you are accused of malpractice Define the legal terminology below: Consent Malpractice Negligence Nonfidentiality and Privacy Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| procedures you should follow if you are accused of malpractice • Define the legal terminology below: > Consent > Malpractice > Negligence > Confidentiality and Privacy > 'Reasonable Man' Test > Abandonment > Slander and defamation > Liability > Beneficence > Non-maleficence • Discuss ethical and moral behaviour when practicing as an emergency care practitioner • Discuss the importance of |
| should follow if you are accused of malpractice Define the legal terminology below: Consent Malpractice Negligence Confidentiality And Privacy Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| are accused of malpractice Define the legal terminology below: Consent Malpractice Negligence Negligence Confidentiality And Privacy Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| malpractice Define the legal terminology below: Consent Malpractice Negligence Confidentiality and Privacy Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| Define the legal terminology below: Consent Malpractice Negligence Confidentiality and Privacy "Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| terminology below: Consent Malpractice Negligence Confidentiality and Privacy 'Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| > Consent > Malpractice > Negligence > Confidentiality and Privacy > 'Reasonable Man' Test > Abandonment > Slander and defamation > Liability > Beneficence > Non-maleficence |
| Malpractice Negligence Confidentiality and Privacy 'Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| Negligence Confidentiality and Privacy 'Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| Confidentiality and Privacy 'Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| Confidentiality and Privacy 'Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| 'Reasonable Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| Man' Test Abandonment Slander and defamation Liability Beneficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| Abandonment Slander and defamation Liability Beneficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| ➢ Slander and defamation ➢ Liability ➢ Beneficence ➢ Non-maleficence ● Discuss ethical and moral behaviour when practicing as an emergency care practitioner ● Discuss the importance of |
| defamation Liability Beneficence Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| ▶ Liability ▶ Beneficence ▶ Non-maleficence • Discuss ethical and moral behaviour when practicing as an emergency care practitioner • Discuss the importance of |
| ▶ Beneficence ▶ Non-maleficence • Discuss ethical and moral behaviour when practicing as an emergency care practitioner • Discuss the importance of |
| Non-maleficence Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| Discuss ethical and moral behaviour when practicing as an emergency care practitioner Discuss the importance of |
| moral behaviour when practicing as an emergency care practitioner • Discuss the importance of |
| moral behaviour when practicing as an emergency care practitioner • Discuss the importance of |
| practicing as an emergency care practitioner • Discuss the importance of |
| emergency care practitioner Discuss the importance of |
| practitioner Discuss the importance of |
| • Discuss the importance of |
| importance of |
| |
| |
| in the emergency care |
| environment. |
| • Explain the |
| importance of anti- |
| discriminatory |
| practice. |
| • Explain how a |
| practitioner takes |
| cultural diversity and |
| language into account |
| when managing |
| incidents and dealing |
| with a diverse range |
| patients. |
| ● Provide a definition of |
| clinical governance. |
| Provide a definition of |
| clinical auditing. |
| Cilinda additing. |

| | T T | 1 1 | 1 | | |
|-----|-----|-----|---|--------------|---|
| | | | | | Explain the purpose of |
| | | | | | evidence-based |
| | | | | | practice |
| | | | | | • Explain the |
| | | | | | importance of |
| | | | | | continued medical |
| | | | | | education and |
| | | | | | professional |
| | | | | | development |
| | | | | | Define |
| | | | | | communication |
| | | | | | Differentiate between |
| | | | | | verbal and non-verbal |
| | | | | | communication |
| | | | | | Interpret the 'Model of |
| | | | | | Interpersonal |
| | | | | | Communication' |
| | | | | | Identify the various |
| | | | | | types of emergency |
| | | | | | vehicles. |
| | | | | | List the specific |
| | | | | | vehicle requirements, |
| | | | | | which are stipulated |
| | | | | | by the Board of |
| | | | | | Healthcare Funders, |
| | | | | | that need to be |
| | | | | | satisfied in order to |
| | | | | | register an ambulance |
| | | | | | with the organisation. |
| | | | | | Describe the purpose |
| | | | | | of the licence disk and |
| | | | | | operator card which |
| | | | | | needs to be displayed |
| | | | | | on the windscreen of |
| | | | | | an emergency |
| | | | | | vehicle. |
| | | | | | Discuss the sections |
| | | | | | of the road traffic act |
| | | | | | that deal with: |
| | | | | | Responding to an |
| | | | | | incident |
| | | | | | Stopping at the |
| | | | | | incident |
| | | | | | Describe the steps to |
| | | | | | navigate to the |
| | | | | | location of an incident |
| | | | | | using a map book. |
| | | | | | Describe the steps to |
| | | | | | navigate to the |
| | | | | | location of an incident |
| | | | | | using a GPS. |
| | | | | | Identify a safe area to |
| | | | | | stop your vehicle at |
| | | | | | the scene of an |
| | | | | | incident. |
| | | | | | Demonstrate how to |
| | | | | | use your vehicle to |
| 446 | • | | | RULES AND RE | GULATIONS 2024 |

| | - | T | |
|--|-------|---|---|
| | | | protect the scene of |
| | | | an incident. |
| | | | List the guidelines that |
| | | | are used when placing |
| | | | road cones to protect |
| | | | an incident. |
| | | | Explain the following |
| | | | concepts: |
| | | | Aquaplaning |
| | | | Over steer |
| | | | Under steer |
| | | | Automatic |
| | | | breaking systems |
| | | | Aggressive |
| | | | driving |
| | | | Defensive driving |
| | | | Perform an inspection |
| | | | on the following |
| | | | essential vehicle |
| | | | components to |
| | | | assess if the vehicle is |
| | | | fit for duty: |
| | | | ➤ Engine |
| | | | components: |
| | | | Water levels |
| | | | o Brake fluid |
| | | | levels |
| | | | o Oil levels |
| | | | o Condition of |
| | | | fan belt |
| | | | o Condition of |
| | | | battery |
| | | | terminals |
| | | | Battery fluid |
| | | | levels |
| | | | Tyres and |
| | | | wheels: |
| | | | Pressures |
| | | | o Tread |
| | | | Spare wheel |
| | | | Wear and tear of |
| | | | brake pads |
| | | | Electrical |
| | | | components: |
| | | | ○ Lights |
| | | | o Emergency |
| | | | lights |
| | | | Vehicle body |
| | | | ➤ Internal |
| | | | structures of the |
| | | | vehicle |
| | | | Demonstrate the |
| | | | ability to troubleshoot |
| | | | the following issues or |
| | | | problems using the |
| | | | manufacture's |
| | | | guidelines: |
| | | | |

| | <u> </u> | |
|--|----------|---------------------------------------|
| | | Puncture of tyre |
| | | or damaged rim |
| | | Flat battery |
| | | Dashboard |
| | | warning indicator |
| | | lights |
| | | Engine |
| | | overheating |
| | | Differentiate between |
| | | |
| | | a detergent and a |
| | | disinfectant. |
| | | • Demonstrate an |
| | | ability to clean and |
| | | disinfect a vehicle in a |
| | | safe and effective |
| | | manner. |
| | | • Discuss the |
| | | appropriate actions |
| | | one should take |
| | | should your vehicle |
| | | become involved in an |
| | | accident. |
| | | |
| | | List the general duties |
| | | of the employer |
| | | towards the employee |
| | | as stipulated in the |
| | | Occupational Health |
| | | and Safety Act. |
| | | List the general duties |
| | | of the employee |
| | | towards the employer |
| | | as stipulated in the |
| | | Occupational Health |
| | | • |
| | | and Safety Act. |
| | | Discuss the common |
| | | hazards that are |
| | | associated with |
| | | emergency service |
| | | work. |
| | | • Explain the |
| | | importance of scene |
| | | safety. |
| | | Provide a generic |
| | | 9 |
| | | approach to rendering |
| | | safety to all persons |
| | | on a scene. |
| | | • List the items of |
| | | personal protective |
| | | clothing that need to |
| | | be available for use |
| | | during the rendering |
| | | of emergency care |
| | | services. |
| | | |
| | | Explain the procedure that should be |
| | | that should be |
| | | followed should you |
| | | |

| | | | become exposed to |
|-----|------|----------------|---|
| | | | pathogens. |
| | | | Explain the procedure |
| | | | that should be |
| | | | followed should you |
| | | | become injured during |
| | | | the course of your |
| | | | duties. |
| | | | List the vaccines and |
| | | | prophylactic |
| | | | immunizations that |
| | | | are applicable to the |
| | | | emergency care |
| | | | provider. |
| | | | • Explain the |
| | | | importance of |
| | | | physical and mental |
| | | | fitness for emergency |
| | | | service workers. |
| | | | Demonstrate the |
| | | | correct method for |
| | | | lifting and carrying a |
| | | | weight. |
| | | | _ |
| | | | • Describe the fundamentals of the |
| | | | |
| | | | management of bio- |
| | | | hazardous waste in |
| | | | the healthcare |
| | | | environment. |
| | | | Correctly identify the |
| | | | components of a |
| | | | radio. (Portable and |
| | | | base station) |
| | | | Discuss the care and |
| | | | maintenance of a |
| | | | radio. |
| | | | Differentiate between |
| | | | amplitude modulation, |
| | | | frequency modulation |
| | | | and Terrestrial |
| | | | Trunked Radio |
| | | | (TETRA) systems. |
| | | | Discuss factors that |
| | | | may affect radio |
| | | | communications. |
| | | | Effectively send and |
| | | | receive messages by |
| | | | radio using the correct |
| | | | voice procedure |
| | | | guidelines: |
| | | | Operating |
| | | | technique |
| | | | Operating |
| | | | protocol |
| | | | Phonetic |
| | | | alphabet |
| | | | Time format |
| 449 | | DI II 50 AND D | FGULATIONS 2024 |

| | T | | |
|-----|-------|-----------------|-------------------------|
| | | | Numerals |
| | | | Standard phrases |
| | | • | List the important |
| | | | information that |
| | | | should be captured by |
| | | | a call taker. |
| | | | |
| | | • | Explain the legal and |
| | | | regulatory issues |
| | | | pertaining to |
| | | | emergency call centre |
| | | | staff. |
| | | • | Discuss the limitations |
| | | | of providing |
| | | | telephonic advice in |
| | | | - |
| | | | emergency situations. |
| | | • | Discuss the principles |
| | | | of computer-aided |
| | | | dispatch. |
| | | • | Explain the |
| | | | importance of keeping |
| | | | accurate records of |
| | | | incidents. |
| | | | |
| | | • | Accurately complete |
| | | | patient care records. |
| | | • | Explain the legal |
| | | | framework relating to |
| | | | the storage of patient |
| | | | care records. |
| | | • | Explain the correct |
| | | | procedure for handing |
| | | | |
| | | | a patient over to |
| | | | another member of |
| | | | the health care team. |
| | | • | Describe the |
| | | | importance of dealing |
| | | | with a patient's |
| | | | valuables found on |
| | | | scene. |
| | | | |
| | | • | Discuss the general |
| | | | principles when |
| | | | dealing with the media |
| | | | or the public. |
| | | • | Discuss the ways in |
| | | | which you can assist |
| | | | the police in |
| | | | preserving evidence |
| | | | at the scene of a |
| | | | |
| | | | suspected crime. |
| | | • | Demonstrate how to |
| | | | manage a firearm |
| | | | when it is found at an |
| | | | incident. |
| | | • | Discuss the concept |
| | | | of organ donation. |
| | | | _ |
| | | • | Explain how a health |
| | | | care provider may be |
| | | | able to assist in the |
| 450 | | DITLES AND DEST | |
| 450 | | RULES AND REGU | JLATIONS 2024 |

| | I | I | I | 1 | 1 | | |
|------------------------|-------------|------|----|---|----|---|--|
| General Pathology 1 | GPA01Y 2 | 100% | 0% | 6 | 12 | The purpose of General Pathology was to provide a theoretical basis | process of organ donation Explain the correct method of dealing with bystanders. Discuss the legislation pertaining to breaking and entering in emergency situations Discuss the legal stance or legislation that dictates which organisation or authority has the right to assume overall control of an incident. Throughout completion of this module, the following learning outcomes were achieved: |
| | | | | | | related to pathophysiology and trauma that could be applied in other subjects. An understanding of these entities was needed in Diagnostics and, most importantly, in Emergency Medical Care (EMC). An understanding of pathophysiology is important not only as it relates to reaching provisional diagnoses, but also as it relates to patient care and related decision-making. The need for treatment, the type of treatment and the possible complications of treatment for any disease or disorder are impossible to determine without a thorough understanding of the disease or disorder. Classifying the stages and severity | Discuss the cellular response to stress, injury and aging in detail. Discuss inflammation and the inflammatory response process in detail. Discuss cell proliferation, tissue generation and tissue repair in detail. Discuss mechanisms of infectious disease in detail. Discuss the pathophysiology of Human Immunodeficiency Virus in detail. Discuss the pathophysiology of Influenza in detail. Discuss the pathophysiology of Hepatitis in detail. Discuss the pathophysiology of Hepatitis in detail. Discuss the pathophysiology of Human Papilloma Virus in detail. Describe the pathophysiology of Tuberculosis in detail. Describe the pathophysiology of Tuberculosis in detail. Describe the pathophysiology of Pneumonia in detail. |

| | . f . l' | |
|-----|----------------------|----------------------------------|
| | of diseases and | Describe the |
| | disorders is also an | pathophysiology of |
| | important applied | Chronic Obstructive |
| | function on which | Pulmonary Disease in |
| | appropriate patient | detail. |
| | care rests. | • Describe the |
| | | pathophysiology of |
| | | Asthma in detail. |
| | | Describe the |
| | | pathophysiology of |
| | | Bronchiectasis in |
| | | detail. |
| | | • Describe the |
| | | pathophysiology of |
| | | Cerebrovascular |
| | | disease in detail. |
| | | Describe the |
| | | pathophysiology of |
| | | Coronary Artery |
| | | Disease in detail. |
| | | D 11 (1 |
| | | |
| | | pathophysiology of |
| | | Hypertension in detail. |
| | | Describe the |
| | | pathophysiology of |
| | | Cor Pulmonale in |
| | | detail. |
| | | • Describe the |
| | | pathophysiology of |
| | | Congestive Cardiac |
| | | Failure in detail. |
| | | Describe the |
| | | pathophysiology of |
| | | Congenital Cardiac |
| | | Conditions in detail. |
| | | • Describe the |
| | | pathophysiology of |
| | | fluid imbalance |
| | | disorder in detail. |
| | | Describe the |
| | | pathophysiology of |
| | | electrolyte imbalance |
| | | disorder in detail. |
| | | Describe the |
| | | |
| | | , , , , |
| | | Acid-base imbalance |
| | | disorder in detail. |
| | | Describe the |
| | | pathophysiology of |
| | | Diabetes Mellitus in |
| | | detail. |
| | | • Describe the |
| | | pathophysiology of |
| | | Dysentery in detail. |
| | | • Describe the |
| | | pathophysiology of |
| | | Cholera in detail. |
| 452 | RULES AND R | REGULATIONS 2024 |

| | T | ı | ı | 1 | | | |
|----------------------------------|-------------|------|----|---|---|--|--|
| | | | | | | | Describe the pathophysiology of Typhoid Fever in detail. Describe the pathophysiology of Enterocolitis in detail. Describe the pathophysiology of Neoplasia in detail. |
| | | | | | | | Describe the pathophysiology of Anaphylaxis in detail. Describe in detail, the pathological effect that trauma has on the major organ systems. |
| Hazardous Materials Rescue | HAZ01Y 4 | 100% | 0% | 8 | 6 | The Hazardous Materials Rescue module provided the students with the necessary knowledge and skills that will act as a foundation for command, control and safety around incidents involving hazardous materials spills. Common hazardous spills, levels of protection and site decontamination procedures and systems were covered. | Throughout completion of this module, the following learning outcomes were achieved: Introduction to hazardous materials rescue Explain the role of Occupational Safety and Health Authority (OSHA) and other regulations pertaining to Hazardous Materials. Explain the use of National Fire Protection Association (NFPA) in generating standards for HAZMAT scene management. Define the following terms: Hazardous material Hazardous waste Hazardous substance Hazardous chemical Extremely hazardous substance Dangerous goods |
| | • | | | • | | • | • |

| | | o Identify the |
|--|--|---|
| | | different means of |
| | | transport utilised to |
| | | transport hazardous |
| | | materials. |
| | | Identify |
| | | occupancies and |
| | | locations in the |
| | | community where |
| | | hazardous |
| | | materials are |
| | | manufactured, |
| | | transported, stored, used or |
| | | stored, used or disposed. |
| | | Suspect or |
| | | recognise the |
| | | presence of a |
| | | hazardous |
| | | material. |
| | | Be able to take the |
| | | appropriate steps |
| | | in order to protect |
| | | yourself and any other bystanders or |
| | | support services |
| | | present at a |
| | | HAZMAT |
| | | incident.Call for the |
| | | appropriate |
| | | assistance. |
| | | Secure the area using the |
| | | using the Emergency |
| | | Response Guide. |
| | | • Properties of |
| | | hazardous materials |
| | | o Explain how |
| | | hazardous |
| | | substances are |
| | | classified (class |
| | | and properties of |
| | | each class). o Describe the |
| | | effects of exposure |
| | | to hazardous |
| | | materials on |
| | | humans. |
| | | o Discuss the |
| | | radiation protection |
| | | strategies. |
| | | Define the following terms: |
| | | Threshold limit |
| | | values |
| | | _ |

| | | | | |
|------|------|--|----------|------------------|
| | | | - | Threshold limit |
| | | | | values/time |
| | | | | weighted |
| | | | | - |
| | | | | average |
| | | | • | Threshold limit |
| | | | | values/short |
| | | | | exposure limit |
| | | | • | Threshold limit |
| | | | | values/ceiling |
| | | | | level |
| | | | _ | |
| | | | - | Permissible |
| | | | | exposure limit |
| | | | - | Lethal dose |
| | | | - | Lethal |
| | | | | concentration |
| | | | | Immediate |
| | | | | |
| | | | | 0 |
| | | | | life health |
| | | | • | Flash point |
| | | | - | Auto ignition |
| | | | | temperature |
| | | | - | Flammable |
| | | | | (explosive) |
| | | | | |
| | | | _ | range |
| | | | • | Specific |
| | | | | gravity |
| | | | • | Vapour |
| | | | | density |
| | | | • | Boiling point |
| | | | | Water |
| | | | | solubility |
| | | | _ | |
| | | | • | Toxic products |
| | | | | of combustion |
| | | | • | Hypergolic |
| | | | | materials |
| | | | • | Pyrophoric |
| | | | | materials |
| | | | | Water reactive |
| | | | _ | materials |
| | | | 17 | |
| | | | o Kno | |
| | | | | tations to which |
| | | | | rkers may be |
| | | | exp | oosed to |
| | | | | zardous |
| | | | | terials before |
| | | | | periencing the |
| | | | | |
| | | | | mful effects. |
| | | | o App | oly the |
| | | | | minology from |
| | | | this | |
| | | | pra | ctically. |
| | | | Recog | - |
| | | | | dous materials |
| | | | | |
| | | | | cuss the impact |
| | | | of | hazardous |
| | | | | terials on the |
| | | | env | vironment. |
| | | | <u> </u> | |

| | | | | |
|-----|------|-------------|--------|-----------------------|
| | | | 0 | Explain the |
| | | | | relevance and |
| | | | | importance of pre- |
| | | | | planning for |
| | | | | hazardous material |
| | | | | incidents. |
| | | | 0 | Describe the |
| | | | | different types of |
| | | | | informal and formal |
| | | | | methods of |
| | | | | identification for |
| | | | | hazardous |
| | | | | materials. |
| | | | 0 | Explain the |
| | | | | methods available |
| | | | | to identify |
| | | | | hazardous |
| | | | | materials at fixed |
| | | | | facilities, by |
| | | | | transportation |
| | | | | container or during |
| | | | | transportation. |
| | | | 0 | Discuss different |
| | | | O | types monitoring |
| | | | | systems available |
| | | | | for hazardous |
| | | | | materials. |
| | | | 0 | Perform a pre- |
| | | | 0 | incident plan for a |
| | | | | specific |
| | | | | area/facility. |
| | | | _ | Correctly utilize an |
| | | | 0 | ERG for hazardous |
| | | | | substance |
| | | | | |
| | | | | identification as |
| | | | | part of a practical |
| | | | | scenario. |
| | | | 0 | Utilize other formal |
| | | | | and informal |
| | | | | methods to identify |
| | | | | a hazardous |
| | | | | material on a |
| | | | | scene. |
| | | | 0 | Identify hazardous |
| | | | | materials at a fixed |
| | | | | facility, in |
| | | | | transportation |
| | | | | containers or |
| | | | | during |
| | | | | transportation. |
| | | | 0 | Utilize the different |
| | | | | monitoring |
| | | | | instruments |
| | | | | available. |
| | | | | azard and risk |
| | | | as | ssessment |
| | | | 0 | Discuss the |
| | | | | immediate concern |
| | | | | |
| 456 | | RULES AND R | EGULAT | TIONS 2024 |

| | | 1 | T | | | 1 |
|-----|---|---|---|-------------|-------|------------------------------|
| | | | | | | strategy and the |
| | | | | | | primary objective |
| | | | | | | of a hazardous |
| | | | | | | material incident. |
| | | | | | 0 | Elaborate on some |
| | | | | | 0 | |
| | | | | | | of the factors that |
| | | | | | | may affect the |
| | | | | | | success of the |
| | | | | | | primary objectives. |
| | | | | | 0 | Describe the |
| | | | | | _ | criteria for strategic |
| | | | | | | objectives and |
| | | | | | | include in this the 3 |
| | | | | | | |
| | | | | | | strategic options. |
| | | | | | 0 | Explain the pre- |
| | | | | | | activity |
| | | | | | | assessment. |
| | | | | | 0 | Define the |
| | | | | | - | acronym IFSTA. |
| | | | | | 0 | Discuss the |
| | | | | | J | General |
| | | | | | | |
| | | | | | | Emergency Rehaviour Model |
| | | | | | | Behaviour Model |
| | | | | | | pertaining to |
| | | | | | | containers in |
| | | | | | | hazardous |
| | | | | | | material incidents. |
| | | | | | 0 | Identify conditions |
| | | | | | ŭ | that should be |
| | | | | | | noted when |
| | | | | | | |
| | | | | | | assessing a |
| | | | | | | hazardous material |
| | | | | | | incident. |
| | | | | | 0 | Apply immediate |
| | | | | | | concern strategies |
| | | | | | | to the hazardous |
| | | | | | | material incident. |
| | | | | | • Ind | cident command, |
| | | | | | | |
| | | | | | | fety and scene |
| | | | | | | ntrol |
| | | | | | 0 | Discuss |
| | | | | | | emergency |
| | | | | | | information |
| | | | | | | management with |
| | | | | | | reference to |
| | | | | | | internal and |
| | | | | | | external |
| | | | | | | |
| | | | | | | communication. |
| | | | | | 0 | Explain the |
| | | | | | | personnel |
| | | | | | | responsibilities at a |
| | | | | | | HAZMAT incident, |
| | | | | | | pay special |
| | | | | | | attention to the role |
| | | | | | | of the Entry Team. |
| | | | | | _ | |
| | | | | | 0 | Systematically stop |
| | | | | | | explain the step- |
| | | | | | | by-step procedure |
| _ | 1 | | | | | |
| 457 | | | | RULES AND R | | IONS 2024 |

| | | to follow for a |
|-----|----------|----------------------------|
| | | hazardous material |
| | | incident and make |
| | | reference to the |
| | | following: |
| | | ■ Hazard |
| | | |
| | | assessment |
| | | ■ Information |
| | | gathering and |
| | | evaluation |
| | | ■ Mode of |
| | | operation |
| | | ■ Level of |
| | | incident |
| | | ■ Initial isolation |
| | | |
| | | distance |
| | | ■ Protective |
| | | action |
| | | distance |
| | | ■ Scene control |
| | | zones (hot, |
| | | warm & cold) |
| | | o Isolate a |
| | | hazardous area |
| | | and deny entry. |
| | | |
| | | |
| | | Utilize the Incident |
| | | Command System |
| | | at an incident. |
| | | Tactical priorities and |
| | | defensive control |
| | | strategies |
| | | o Discuss the tactical |
| | | objectives that |
| | | would need to be |
| | | |
| | | |
| | | order to meet the |
| | | o strategic |
| | | objectives. |
| | | o Briefly explain |
| | | each of the |
| | | defensive control |
| | | measures that may |
| | | be used to contain |
| | | and/or confine a |
| | | |
| | | material. |
| | | o Identify the |
| | | materials potential |
| | | threats. |
| | | o Size up of the |
| | | material that has |
| | | escaped. |
| | | o Control of all |
| | | ignition sources. |
| | | o Protect the |
| | | material from |
| | | |
| | | excess heat, shock |
| 1 | | or contamination. |
| 458 | <u> </u> | RULES AND REGULATIONS 2024 |

| Contain material runoff. Utilize the various defensive control measures. Utilize foam control measures. Specific healthcare aspects related to hazardous materials contamination. Describe the properties of each of the above agents. Describe the mechanism of action pertaining to all of the above agents. Describe the clinical features of exposure to all of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Discuss the management strategies. Including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination techniques Briefly define contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | |
|---|---|--|--|
| defensive control measures. Utilize foam control measures: Specific healthcare aspects related to hazardous materials contamination Describe the properties of each of the above agents. Describe the mechanism of action pertaining to all of the above agents. Describe the clinical features of exposure to all of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Discuss the object of exposure to all of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination techniques Briefly define contamination. Explain the roles of the decontamination officer and the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination are and run through the different steps in the procedure. | | | runoff. |
| O Utilize foam control measures. Specific healthcare aspects related to hazardous materials contamination Describe the properties of each of the above agents Describe the mechanism of action pertaining to all of the above agents. Describe the clinical features of exposure to all of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination Discuss the different points you would take into consideration when selecting a decontamination when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | defensive control |
| Specific healthcare aspects related to hazardous materials contamination Describe the properties of each of the above agents Describe the mechanism of action pertaining to all of the above agents. Describe the clinical features of exposure to all of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination foficer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | |
| aspects related to hazardous materials contamination Describe the properties of each of the above agents Describe the mechanism of action pertaining to all of the above agents. Describe the clinical features of exposure to all of the above agents. Describe the clinical features of exposure to all of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Decontamination Explain the roles of the contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss the different points you would take into roles of the decontamination area and run through the different steps in the procedure. | | | |
| contamination Describe the properties of each of the above agents Describe the mechanism of action pertaining to all of the above agents. Describe the clinical features of exposure to all of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would sake up a decontamination area and rr un through the different steps in the procedure. | | | aspects related to |
| properties of each of the above agents Describe in the mechanism of action pertaining to all of the above agents. Describe the the clinical features of exposure to all of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Briefly define contamination techniques Briefly define contamination, exposure and secondary contamination, exposure and secondary contamination officer and the decontamination officer and the decontamination when selecting a decontamination when selecting a decontamination area and rr un through the different steps in the procedure. | | | contamination |
| of the above agents Describe the mechanism of action pertaining to all of the above agents. Describe the clinical features of exposure to all of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination feam. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | |
| Describe the mechanism of action pertaining to all of the above agents. Describe the clinical features of exposure to all of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | of the above |
| action pertaining to all of the above agents. Describe the clinical features of exposure to all of the above agents. Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination isite. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | Describe the |
| agents. Describe the clinical features of exposure to all of the above agents Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | action pertaining to |
| Describe the clinical features of exposure to all of the above agents Discuss the management strategies, including specific antidotes (Where applicable) of the above agents Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination officer and the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | |
| exposure to all of the above agents Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | Describe the |
| Discuss the management strategies, including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | exposure to all of |
| strategies, including specific antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | o Discuss the |
| antidotes (where applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | |
| applicable) of the above agents. Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | |
| Decontamination techniques Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | applicable) of the |
| Briefly define contamination, exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | Decontamination |
| exposure and secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | |
| secondary contamination. Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | |
| Explain the roles of the decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | secondary |
| decontamination officer and the decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | Explain the roles of |
| decontamination team. Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | decontamination |
| Discuss the different points you would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | decontamination |
| would take into consideration when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | o Discuss the |
| when selecting a decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | would take into |
| decontamination site. Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | |
| Discuss how you would set up a decontamination area and run through the different steps in the procedure. | | | decontamination |
| decontamination area and run through the different steps in the procedure. | | | Discuss how you |
| through the different steps in the procedure. | | | decontamination |
| the procedure. | | | |
| | | | different steps in |
| AED BUILED AND DECULATIONS 2004 | 1 | | · |

| | | | • | Practical skills |
|------|------|------|---|---|
| | | | | outcomes |
| | | | (| o Act in a safe |
| | | | | manner during all |
| | | | | high angle training |
| | | | | scenarios. |
| | | | (| Correctly don and |
| | | | | doff a level A |
| | | | | ensemble. |
| | | | (| Correctly don and |
| | | | | doff a level B non- |
| | | | | encapsulated |
| | | | | chemical protective |
| | | | | clothing ensemble. |
| | | | (| Correctly don and |
| | | | | doff a level C |
| | | | | chemical protective |
| | | | | clothing ensemble. |
| | | | (| Correctly don and |
| | | | | doff a level D |
| | | | | chemical protective |
| | | | | clothing ensemble. |
| | | | (| o Setting up a |
| | | | | technical |
| | | | | decontamination |
| | | | | station. |
| | | | (| Perform a technical |
| | | | | decontaminate of a |
| | | | | victim. |
| | | | (| Perform a technical |
| | | | | decontaminate of |
| | | | | an entry team |
| | | | | member. |
| | | | (| o Perform an |
| | | | | emergency |
| | | | | decontamination of |
| | | | | a victim. |
| | | | (| o Perform an |
| | | | | emergency |
| | | | | decontamination of |
| | | | | an entry team |
| | | | | member. |
| | | | (| Demonstrate the |
| | | | | following victim |
| | | | | carrying and drag |
| | | | | techniques in the |
| | | | | different levels of |
| | | | | PPE: |
| | | | | Two-person |
| | | | | extremity carry |
| | | | | Two-person |
| | | | | seat carry |
| | | | | Clothes drag |
| | | | | Blanket drag |
| | | | | Standing drag |
| | | | | Webbing sling |
| | | | | drag |
| | | | | - |
| | | | | |

| | | | | | | | Emergency |
|--------------|-------------|------|----|---|----|---|--|
| | | | | | | | drag from |
| | | | | | | | Use of a multi-gas |
| | | | | | | | meter |
| High Angle 1 | HAR01Y 2 | 100% | 0% | 6 | 12 | The purpose of this module was to provide the students with the necessary knowledge and skills that will act as a foundation for incidents involving victims that need to be accessed at height and form an integral part of the student's foundational knowledge for the High Angle II module. | drag from vehicle Use of a multi-gas meter Throughout completion of this module, the following learning outcomes were achieved: Introduction to high angle rescue Introduction to high angle rescue Introduction to high angle rescue Identify the environments in which high angle rope techniques are used for access and rescue. Introduction to high angle rescue. Identify the environments in which high angle rope techniques are used for access and rescue. Introduction to high angle recreational high angle activities and rescue. Identify the environments in which high angle rope techniques are used for access and rescue. Introduction to high angle activities and rescue. Identify the environments in which high angle rope techniques are used for access and rescue. Introduction to high angle activities and rescue. Identify the environments in which high angle rope techniques are used for access and rescue. Introduction to high angle rescue. |
| | | | | | | | Police Services (SAPS) Emergency Management Services (EMS) Discuss the legislation applicable to working at heights and its application in the rescue environment. Explain the concepts related to the term 'operational readiness.' Department of Emergency Medical Care 15 Discuss the roles and responsibilities of the different members of the high angle rescue team: |

| Team Leader Safety Medic I and II Rigger I and II Discuss safety in the high angle environment. Explain the effects of rescuer fatigue on the efficiency of an high angle rescue operation Knots used in the high angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss the miportance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Tensionless hitch Bowline knot Joining Knots Joining Knot Jo | | | | | | | |
|--|-----|--|---|--|-------------|-----|---------------------------------|
| Medic I and II Rigger I and II Discuss safety in the high angle environment. Explain the effects of rescuer fatigue on the efficiency of an high angle rescue operation Knots used in the high angle rescue environment. List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the different to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. List the categories of knots used in the high angle rescue environment. Define the different types of knots. List the categories of knots used in the high angle rescue environment. Safety knots List the categories of knots used in the high angle rescue environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | Team Leader |
| Medic I and II Rigger I and II Discuss safety in the high angle environment. Explain the effects of rescuer fatigue on the efficiency of an high angle rescue operation Knots used in the high angle rescue environment. List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the different to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. List the categories of knots used in the high angle rescue environment. Define the different types of knots. List the categories of knots used in the high angle rescue environment. Safety knots List the categories of knots used in the high angle rescue environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | Safety |
| Rigger I and II Discuss safety in the high angle environment. Explain the effects of rescuer fatigue on the efficiency of an high angle rescue operation Knots used in the high angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the effects that knots have on rope. Explain the furth principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle rescue environment. Safety knots List the categories of knots used in the high angle environment. Safety knots Anchor Knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| Discuss safety in the high angle environment. Explain the effects of rescuer fatigue on the efficiency of an high angle rescue operation Knots used in the high angle rescue environment. List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the effects that knots have on rope. Explain the different of the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. List the categories of knots used in the high angle environment. Safety knots Bends List the categories of knots used in the high angle environment. Safety knots Barrel hitch Safety knots Overhand knot Barrel hitch Rewoven figure-8 Double loop figure-8 Double loop figure-8 Tensionless hitch Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| high angle environment. Explain the effects of rescuer fatigue on the efficiency of an high angle rescue operation Knots used in the high angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different knots in the high angle rescue environment. Define the different knots in the high angle rescue environment. Define the different knots in the high angle rescue environment. List the categories of knots. List the categories of knots used in the high angle environment. Safety knots Name Anchor knots Figure-8 on a bigint Rewoven figure-8 Rewoven figure-8 Tensionless hitch Rewoven figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| environment. Explain the effects of rescuer fatigue on the efficiency of an high angle rescue operation Knots used in the high angle rescue environment. List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the effects that knots have on rope. Explain the effects that knots have on rope. Explain the fire that the design of knots. Identity the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bigint Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | |
| Explain the effects of rescuer fatigue on the efficiency of an high angle rescue operation Knots used in the high angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the effects that knots have on rope. Explain the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. I Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bigint Rewoven figure-8 Double loop figure-8 Tensionless Tensio | | | | | | | |
| rescuer fatigue on the efficiency of an high angle rescue operation Knots used in the high angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Anchor knots Figure-8 on a bight Rewoven figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | environment. |
| rescuer fatigue on the efficiency of an high angle rescue operation Knots used in the high angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Anchor knots Figure-8 on a bight Rewoven figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | Explain the effects of |
| efficiency of an high angle rescue operation Not sused in the high angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss in the high angle rescue. Discuss in the limportance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the effects that knots have on rope. Explain the effects that knots in the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | |
| angle rescue operation Knots used in the high angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment, and the principle in the different types of knots. Coops Hitches Bends List the categories of knots used in the high angle environment, and the principle and the princi | | | | | | | |
| operation Knots used in the high angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss in the high angle rescue. Discuss the himportance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| Notes used in the high angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Lioops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Coverhand knot Barrel hitch Stopper Knot Anchor knots Figure-8 on a bight Rewoven figure-8 Tensionless hitch Bowline knot Clove Jolning Knots Figure-8 bend | | | | | | | |
| angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the effects that knots have on rope. Explain the effects that knots have on rope. Explain the effects that knots in the high angle rescue environment. Define the different types of knots. List the categories of knots used in the high angle environment. Safety knots Overhand knot Noverhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | operation |
| angle rescue environment List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the effects that knots have on rope. Explain the effects that knots have on rope. Explain the effects that knots in the high angle rescue environment. Define the different types of knots. List the categories of knots used in the high angle environment. Safety knots Overhand knot Noverhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | Knots used in the high |
| environment List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| List the characteristics of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| of a good knot that will be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 | | | | | | _ | |
| be used in high angle rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Sarety knots Overhand knot Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | |
| rescue. Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle ervironment. Safety knots Coverhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | • |
| o Discuss the importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | be used in high angle |
| importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | rescue. |
| importance of dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | Discuss the |
| dressing a knot correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. List the categories of knots used in the high angle environment. Safety knots Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | |
| correctly. Explain the effects that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| Explain the effects that knots have or rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Bowline knot Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | • |
| that knots have on rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knots Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | - |
| rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Voerhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | Explain the effects |
| rope. Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Voerhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | that knots have on |
| Explain the 4:1 principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| principle in relation to the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| the design of knots. Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | • |
| o Identify the functions of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| of different knots in the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | Identify the functions |
| the high angle rescue environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | of different knots in |
| environment. Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| o Define the different types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| types of knots. Loops Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | |
| Hitches Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | types of knots. |
| Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | Loops |
| Bends List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | Hitches |
| o List the categories of knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| knots used in the high angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| angle environment. Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | 0 | |
| Safety knots Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | angle environment. |
| Overhand knot Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | Safety knots |
| Barrel hitch Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| Stopper knot Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| Anchor knots Figure-8 on a bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| ■ Figure-8 on a bight ■ Rewoven figure-8 ■ Double loop figure-8 ■ Tensionless hitch ■ Bowline knot ■ Clove ■ Joining Knots ■ Figure-8 bend | | | | | | | |
| bight Rewoven figure- 8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | Anchor knots |
| bight Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | ■ Figure-8 on a |
| Rewoven figure-8 Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| 8 | | | | | | | |
| Double loop figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| figure-8 Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | _ |
| Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | • |
| Tensionless hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | figure-8 |
| hitch Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| Bowline knot Clove Joining Knots Figure-8 bend | | | | | | | |
| ■ Clove ■ Joining Knots ■ Figure-8 bend | | | | | | | |
| ■ Joining Knots ■ Figure-8 bend | | | | | | | |
| ■ Figure-8 bend | | | | | | | |
| ■ Figure-8 bend | | | | | | | Joining Knots |
| | | | | | | | |
| RULES AND REGULATIONS 2024 | | | | | | | 2.3 |
| 462 RULES AND REGULATIONS 2024 | | | I | | | | |
| | 462 | | | | RULES AND R | EGU | LATIONS 2024 |

| | | | (Flemish bend) |
|-----|------|-----------------|---|
| | | | ■ Double |
| | | | Fishermans |
| | | | Square knot |
| | | | ■ Special- |
| | | | Purpose Knots |
| | | | Alpine butterfly |
| | | | ■ Water knot / |
| | | | Tape knot / Flat |
| | | | knot |
| | | | ■ ünter hitch |
| | | | Prussic hitch |
| | | | Girth hitch |
| | | | Equipment used in the |
| | | | high angle rescue |
| | | | environment |
| | | | Personal protective |
| | | | equipment |
| | | | Identify the points |
| | | | that should be |
| | | | taken into |
| | | | consideration |
| | | | when selecting: |
| | | | Helmet and |
| | | | headgear |
| | | | • 'Shell' and |
| | | | 'insulated' |
| | | | clothing |
| | | | ■ Hand and foot |
| | | | protection |
| | | | ■ Light sources |
| | | | • |
| | | | Specialised knives |
| | | | |
| | | | |
| | | | components to take into |
| | | | consideration when |
| | | | selecting a harness. |
| | | | Differentiate between the |
| | | | different classes of |
| | | | harnesses. |
| | | | Differentiate between a |
| | | | climbing harness and a |
| | | | harness used in rescue. |
| | | | Explain the pathology of |
| | | | prolonged suspension in |
| | | | a harness. |
| | | | Rescue rope |
| | | | ■ Discuss the |
| | | | legislation |
| | | | governing the use |
| | | | of rope in South |
| | | | Africa. |
| | | | ■ Identify the |
| | | | composition of |
| | | | rope under the |
| | | | following |
| | | | headings: |
| | | | Synthetic fibre |
| 463 | | RULES AND F | REGULATIONS 2024 |

| Г | 1 | . | 1.61 |
|---|---|----------------------------------|----------------|
| | | | ıral fibre |
| | | ■ List | the |
| | | | itages and |
| | | | vantages of |
| | | each | rope |
| | | comp | osition. |
| | | Identi | fy the |
| | | variou | is types of |
| | | rope | · · |
| | | | ruction. |
| | | Laid | |
| | | Brai | ded |
| | | | ble braided |
| | | | mantle |
| | | | entiate |
| | | betwe | |
| | | and | dynamic |
| | | | dynanic |
| | | rope. ■ Expla | in how you |
| | | | determine |
| | | | |
| | | | correct rope |
| | | | pecific task. |
| | | ■ Expla | |
| | | | tance of the |
| | | coloui | |
| | | | e rope. |
| | | Identif | |
| | | differe | |
| | | | eters of rope |
| | | and | accessory |
| | | cord. | |
| | | | e the term |
| | | 'Fall F | |
| | | Calcu | late the Fall |
| | | Facto | r to |
| | | deterr | mine |
| | | wheth | er a rope |
| | | should | d be |
| | | conde | emned. |
| | | Expla | in the term |
| | | 'shock | |
| | | | ne effect this |
| | | | nave on a |
| | | | e rope. |
| | | | entiate |
| | | | en a 'rope' |
| | | | ine' in the |
| | | | xt of high |
| | | | rescue. |
| | | ■ Expla | |
| | | impor | |
| | | taggir | |
| | | | ng a rope. |
| | | | |
| | | Identification | |
| | | | d be found |
| | | | |
| | | on a r | ope tag. |

| | | • | Identify the |
|--|--|---|-----------------------|
| | | | storage |
| | | | conditions that |
| | | | may cause |
| | | | damage to a |
| | | | rope. |
| | | | Explain the |
| | | • | |
| | | | correct manner in |
| | | | which to store a |
| | | | rope. |
| | | • | Discuss the |
| | | | advantages and |
| | | | disadvantages of |
| | | | 'bagging' a rope. |
| | | | Explain how to |
| | | | correctly inspect |
| | | | a rope. |
| | | | List the criteria for |
| | | - | |
| | | _ | retiring a rope. |
| | | • | Explain the |
| | | | correct manner of |
| | | | washing and |
| | | | drying a rope. |
| | | • | Discuss rope |
| | | | damage under |
| | | | the following |
| | | | headings: |
| | | | Harmful |
| | | | substances |
| | | | Overloading of a |
| | | | _ |
| | | | rope |
| | | | Damage from |
| | | | falling objects |
| | | | Abrasion |
| | | | Heat fusion |
| | | | 'Flash' descend |
| | | | Use of rope |
| | | | during training |
| | | | Rope strength |
| | | | loss through |
| | | | knots |
| | | | Describe |
| | | | techniques for |
| | | | preventing |
| | | | |
| | | _ | abrasion on rope. |
| | | • | Differentiate |
| | | | between the |
| | | | following terms: |
| | | | Breaking strength |
| | | | Working strength |
| | | | or safe working |
| | | | load |
| | | • | Discuss the |
| | | | manner in which |
| | | | |
| | | | ropes are |
| | | | mechanically |
| | | | tested. |
| | | | |

| | | | | | | | Pull / tensile testing Abrasion testing Slings and webbing Explain the advantages of webbing. |
|--------------|-------------|------|----|---|----|--|---|
| High Angle 2 | HAR02Y 3 | 100% | 0% | 6 | 12 | The aim of this module was to provide the student with the necessary insight, theoretical knowledge and technical skills needed to function as an independent rope rescue technician. Each section had been carefully designed to provide the student with important learning tasks and experiences, each of which was linked to an expected learning outcome. | Throughout completion of this module, the following learning outcomes were achieved: Discuss the types, functions, construction, inspection, preparation, usage, storage and maintenance of the equipment mentioned below: Descenders: Belay plates Belay tubes Belay tubes Auto locking devices Brake Bar Racks Alpine descenders Gold tail Rigging Equipment: Anchor Plates Rigging Rings Pulleys General: Haultracks Rescue mates Gold tails Winding systems Edge rollers Load cells Inertia belts Stretchers: Stokes stretchers Paragard stretchers Wire basket stretchers Sked stretchers Fillers and vacuum devices |

| | 1 | | |
|-----|-------|-------------|---|
| | | | • Compare the |
| | | | different types of |
| | | | stretchers with |
| | | | regard to their |
| | | | structure and |
| | | | functionality |
| | | | including the |
| | | | advantages and |
| | | | disadvantages of |
| | | | each in the different |
| | | | high angle |
| | | | environments. |
| | | | Identification, |
| | | | inspection and use |
| | | | of the listed |
| | | | equipment. |
| | | | Identification and |
| | | | inspection of the |
| | | | various stretchers. |
| | | | Discuss the purpose |
| | | | and function of: |
| | | | ➤ Load-sharing |
| | | | anchor system |
| | | | ➤ Load-distributing |
| | | | _ |
| | | | |
| | | | (previously |
| | | | known as a "self- |
| | | | equalising anchor |
| | | | system) |
| | | | • Discuss the |
| | | | advantages of a load- |
| | | | distributing anchor |
| | | | system. |
| | | | Rig a load-distributing |
| | | | anchor system. |
| | | | Draw and label a |
| | | | diagram of a load- |
| | | | distributing anchor |
| | | | system |
| | | | Discuss the use of tag |
| | | | lines in high angle |
| | | | rescue. |
| | | | • Draw and label a |
| | | | lowering system (top |
| | | | or bottom belayed) |
| | | | with one, two or three |
| | | | stretcher jockeys. |
| | | | Explain the principle |
| | | | of double person |
| | | | loads. |
| | | | D: " |
| | | | |
| | | | • |
| | | | communication |
| | | | systems when |
| | | | lowering. |
| | | | Discuss the principles |
| | | | of stretcher rigging |
| 467 | | RULES AND R | EGULATIONS 2024 |

| | | | patient packaging and |
|-----|--|--------------|---|
| | | | medical management |
| | | | during a high angle |
| | | | rescue operation. |
| | | | • Explain the |
| | | | advantages and |
| | | | disadvantages of top |
| | | | and bottom belaying. |
| | | | • Rig the following |
| | | | lowering systems: |
| | | | ➤ Lower bottom belayer |
| | | | ➤ Lower top belayer |
| | | | > Act as a stretcher |
| | | | jockey |
| | | | Act as a safety |
| | | | officer for |
| | | | lowering systems |
| | | | Coordinate a |
| | | | patient lower |
| | | | Select and utilise an |
| | | | appropriate |
| | | | communication system |
| | | | • Explain the |
| | | | principles of |
| | | | mechanical |
| | | | advantage. |
| | | | • Discuss the |
| | | | advantages and |
| | | | disadvantages of |
| | | | mechanical |
| | | | advantage systems. |
| | | | Explain how to back up a pulloy |
| | | | up a pulley. • Draw and label a |
| | | | mechanical |
| | | | advantage system. |
| | | | Rig the following |
| | | | mechanical |
| | | | advantage systems: |
| | | | ≻ 1:1 |
| | | | > 2:1 |
| | | | > 3:1 |
| | | | → 4:1→ 5:1 |
| | | | > 9:1 |
| | | | Create an add-on |
| | | | pulley system |
| | | | Add a change-of- |
| | | | direction into a rigged |
| | | | system |
| | | | Insert a safety back- |
| | | | up for a pulley or |
| | | | system |
| | | | Explain step by step the precedure for |
| | | | the procedure for |
| 468 | | RUI ES AND E | REGULATIONS 2024 |

| T T | 1 | |
|-----|---|---|
| | | reversing a system |
| | | under load. |
| | | Explain the procedure |
| | | of locking off a |
| | | system. |
| | | Discuss a system for |
| | | rating and analysing a |
| | | pre rigged system. |
| | | Draw and label the |
| | | following operational |
| | | hauling systems: |
| | | → 3:1 |
| | | > 1:1 |
| | | > 2:1 |
| | | |
| | | |
| | | ▶ 9:1 |
| | | Operate a hauling system. |
| | | Change from a hoist |
| | | to a lower and a lower |
| | | to hoist under tension. |
| | | Utilise an add-on |
| | | system. |
| | | Pass a knot through a |
| | | hauling system. |
| | | |
| | | Discuss the use of bigh wires in receive. |
| | | high wires in rescue work. |
| | | |
| | | List the safety |
| | | regulations |
| | | concerning high wire |
| | | angles and anchors. |
| | | Draw and label a |
| | | simple high wire |
| | | suspension system. |
| | | Draw and label a |
| | | compound high wire |
| | | suspension system. |
| | | Correctly rig and |
| | | operate both simple |
| | | and compound |
| | | suspension systems. |
| | | Engineer a pick off |
| | | using a suspension |
| | | system. |
| | | • Dismantle a |
| | | suspension system. |
| | | Identify and utilise an |
| | | appropriate forms of |
| | | communication. |
| | | Describe and discuss |
| | | principles of rock |
| | | climbing and |
| | | placement of anchors |
| | | in the rock face. |
| • | | |

| | 1 1 | |
|--|-----|---|
| | | Demonstrate basic |
| | | climbing and belaying |
| | | techniques. |
| | | • Demonstrate the |
| | | ability to aid climb. |
| | | • Engage and |
| | | disengage artificial |
| | | anchors. |
| | | Discuss the types, |
| | | functions, |
| | | construction, |
| | | inspection, |
| | | preparation, usage, |
| | | storage and |
| | | maintenance of the |
| | | equipment mentioned |
| | | below. |
| | | Compare the different |
| | | types of stretchers |
| | | with regard to their |
| | | structure and |
| | | functionality including |
| | | the advantages and |
| | | disadvantages of |
| | | each in the different |
| | | high angle |
| | | environments. |
| | | • Identification, |
| | | inspection and use of |
| | | the listed equipment. |
| | | Identification and |
| | | inspection of the |
| | | various stretchers. |
| | | Discuss the purpose |
| | | and function of: |
| | | Load-sharing |
| | | anchor system |
| | | ➤ Load-distributing |
| | | anchor system |
| | | (previously known as a "self- |
| | | equalising anchor |
| | | system) |
| | | • Discuss the |
| | | advantages of a load- |
| | | distributing anchor |
| | | system. |
| | | Rig a load-distributing |
| | | anchor system. |
| | | Draw and label a |
| | | diagram of a load- |
| | | distributing anchor |
| | | system |
| | | Discuss the use of tag |
| | | lines in high angle |
| | | rescue. |
| | 1 1 | |
| | | |

| | • | lowering system (top or bottom belayed) with one, two or three stretcher jockeys. Explain the principle of double person loads. Discuss the importance of communication systems when lowering. |
|--|---|---|
| | | rescue operation. Explain the advantages and disadvantages of top and bottom belaying. Rig lowering systems Select and utilise an appropriate communication system. Explain the principles of mechanical advantage. Discuss the advantages and disadvantages of mechanical advantage systems. |
| | | up a pulley. Draw and label a mechanical advantage system. Rig mechanical advantage systems. Create an add-on pulley system Add a change-of-direction into a rigged system Insert a safety back-up for a pulley or system |

| | | T. | | |
|-----|--|-------------|-----|-------------------------|
| | | | • | Explain the procedure |
| | | | | of locking off a |
| | | | | system. |
| | | | • | Discuss a system for |
| | | | _ | rating and analysing a |
| | | | | |
| | | | | pre rigged system. |
| | | | • | Draw and label |
| | | | | operational hauling |
| | | | | systems. |
| | | | • | Operate a hauling |
| | | | | system. |
| | | | | Change from a hoist |
| | | | | |
| | | | | to a lower and a lower |
| | | | | to hoist under tension. |
| | | | • | Utilise an add-on |
| | | | | system. |
| | | | • | Pass a knot through a |
| | | | | hauling system. |
| | | | • | Discuss the use of |
| | | | - | high wires in rescue |
| | | | | work. |
| | | | | |
| | | | • | List the safety |
| | | | | regulations |
| | | | | concerning high wire |
| | | | | angles and anchors. |
| | | | • | Draw and label a |
| | | | | simple high wire |
| | | | | suspension system. |
| | | | _ | - |
| | | | • | Draw and label a |
| | | | | compound high wire |
| | | | | suspension system. |
| | | | • | Correctly rig and |
| | | | | operate both simple |
| | | | | and compound |
| | | | | suspension systems. |
| | | | | - |
| | | | • | Engineer a pick off |
| | | | | using a suspension |
| | | | | system. |
| | | | • | Dismantle a |
| | | | | suspension system. |
| | | | • | Identify and utilise an |
| | | | | appropriate forms of |
| | | | | communication. |
| | | | _ ا | |
| | | | • | Describe and discuss |
| | | | | principles of rock |
| | | | | climbing and |
| | | | | placement of anchors |
| | | | | in the rock face. |
| | | | • | Demonstrate basic |
| | | | | climbing and belaying |
| | | | | techniques. |
| | | | _ | • |
| | | | • | Demonstrate the |
| | | | | ability to aid climb. |
| | | | • | Engage and |
| | | | | disengage artificial |
| | | | | anchors. |
| | | | | |
| | | | | |
| 472 | | RULES AND R | EGL | JLATIONS 2024 |

| | | 1 | | T | | |
|-----|---|---|--|-------------|-----|------------------------------------|
| | | | | | 0 | Explain the |
| | | | | | | importance of using |
| | | | | | | lock-out/tag-out |
| | | | | | | devices. |
| | | | | | 0 | Discuss the primary |
| | | | | | | and secondary |
| | | | | | | assessments that are |
| | | | | | | |
| | | | | | | carried out during |
| | | | | | | Phase I (Assessment |
| | | | | | | on Arrival) of an |
| | | | | | | industrial and |
| | | | | | | agricultural incident. |
| | | | | | 0 | Discuss Phase II (Pre- |
| | | | | | | extrication |
| | | | | | | Operations) at an |
| | | | | | | • |
| | | | | | | |
| | | | | | | agricultural incident |
| | | | | | | under the following |
| | | | | | | headings: |
| | | | | | | Monitoring |
| | | | | | | patient status |
| | | | | | | Finalising |
| | | | | | | incident action |
| | | | | | | plan |
| | | | | | | Gathering |
| | | | | | | resources |
| | | | | | | |
| | | | | | | • |
| | | | | | | atmosphere |
| | | | | | | Ventilation |
| | | | | | | considerations |
| | | | | | | Lighting |
| | | | | | | Communications |
| | | | | | 0 | List the four major |
| | | | | | | factors that need to be |
| | | | | | | considered during |
| | | | | | | Phase III (Machinery |
| | | | | | | Extrication |
| | | | | | | |
| | | | | | | , |
| | | | | | | industrial and |
| | | | | | | agricultural incident. |
| | | | | | 0 | Discuss ways in which |
| | | | | | | a machine can be |
| | | | | | | stabilised. |
| | | | | | 0 | Identify ways in which |
| | | | | | | to isolate energy |
| | | | | | | sources of a machine. |
| | | | | | 0 | Explain what is meant |
| | | | | | J | = - |
| | | | | | | , |
| | | | | | | 'manipulative |
| | | | | | | extrication' at |
| | | | | | | industrial and |
| | | | | | | agricultural incidents. |
| | | | | | 0 | Discuss the approach |
| | | | | | - | to disassembling a |
| | | | | | | |
| | 1 | | | | | W. A.T. O. V.O. O. C. C. |
| 474 | | | | RULES AND R | EGU | LATIONS 2024 |

| | | 1 1 | 1 | T | 1 | |
|-----|----------|----------|---|-------------|------|--------------------------|
| | | | | | | machine for the |
| | | | | | | extrication of a patient |
| | | | | | | at an industrial and |
| | | | | | | agricultural incident. |
| | | | | | 0 | Discuss the use of |
| | | | | | | force to manipulate |
| | | | | | | components of a |
| | | | | | | machine for the |
| | | | | | | |
| | | | | | | extrication of a patient |
| | | | | | | at an industrial and |
| | | | | | | agricultural incident. |
| | | | | | 0 | List the |
| | | | | | | considerations that |
| | | | | | | should be taken when |
| | | | | | | terminating an |
| | | | | | | industrial and |
| | | | | | | agricultural incident. |
| | | | | | | Explain the correct |
| | | | | | 0 | - |
| | | | | | | management of an |
| | | | | | | incident involving an |
| | | | | | | escalator |
| | | | | | 0 | Discuss the dangers |
| | | | | | | associated with |
| | | | | | | elevator / lift rescues |
| | | | | | 0 | Label the main |
| | | | | | | components of an |
| | | | | | | elevator system |
| | | | | | 0 | Explain how to disable |
| | | | | | | and lock out an |
| | | | | | | elevator |
| | | | | | | Explain the correct |
| | | | | | 0 | |
| | | | | | | methods for gaining |
| | | | | | | access to a lift |
| | | | | | | between floors |
| | | | | | 0 | Explain the general |
| | | | | | | management of a |
| | | | | | | rescue from a lift shaft |
| | | | | | 0 | Discuss the |
| | | | | | | management of an |
| | | | | | | incident involving a |
| | | | | | | child who has become |
| | | | | | | trapped between the |
| | | | | | | burglar bars of a |
| | | | | | | house |
| | | | | | | |
| | | | | | 0 | Discuss the |
| | | | | | | management of an |
| | | | | | | incident involving pool |
| | | | | | | weirs and pumps |
| | | | | | 0 | Discuss the dangers |
| | | | | | | associated with |
| | | | | | | electrically operated |
| | | | | | | doors and gates |
| | | | | | 0 | Explain the general |
| | | | | | | management |
| 1 | | | | | | |
| 475 | <u> </u> | <u> </u> | 1 | RULES AND E | REGI | JLATIONS 2024 |
| 410 | | | | NOLLO AND I | | |

| | | | | | | management of a chemical spill or leak in a rural area Discuss the dangers associated with grain storage silos and bins Explain the management of an incident where a patient has become buried under the grain in a silo or bin. |
|--------------------------------------|-----------|----|---|----|--|---|
| Intensive and Specialized Care EMC 4 | C01Y 100% | 0% | 8 | 12 | The purpose of studying Intensive & Specialised Care was to develop and demonstrate the following broad outcomes on the culmination of the student's learning activities: Discuss the basic principles and approaches to assessing, preparing and transferring a critically ill or injured patient in a mobile ICU. Demonstrate correct and appropriate usage and problem solving with regard to monitoring and other equipment used during ICU transfers. Explain the rationale for, the possible complications of and the various approaches to thrombolysis in | Throughout completion of this module, the following learning outcomes were achieved: General Discuss the functioning and need for intensive care units (ICUs) and factors determining the need for transfer from one ICU to another. Ventilation Discuss the indications for and purpose of mechanical ventilation. Differentiate between volume-, pressure-and time-cycled ventilation and describe the advantages and disadvantages of each. Explain and compare the different modes of mechanical ventilation including intermittent mandatory ventilation (IMV), continuous mandatory ventilation |

the pre-hospital (CMV), synchronised environment. intermittent Critically mandatory ventilation discuss the (SIMV), pressure for evidence support ventilation pre-hospital (PSV), biphasic thrombolysis. positive airway Describe the pressure (BIPAP), bilevel positive airway causes, pathophysiolog pressure (BiPAP) and y and clinical pressure airwav features of a release ventilation broad range of (APRV). diving-related Discuss manipulation emergencies. of various ventilation Critically parameters discuss and (depending on the defend various mode) such as (but management limited approaches for ventilation rate, tidal the divingvolume, minute related volume, flow, positive emergencies endexpiratory mentioned pressure (PEEP), above. inspiratory: expiratory the Discuss trigger, ratio, possible pressure support, stresses, maximum/peak complications airway pressure, and risks of plateau, slope and transporting FiO2 in adults and critically ill or children in a variety of injured patients clinical contexts by air as well as Demonstrate the the advantages setup and monitoring and mechanical а disadvantages ventilator in relation to of doing this. the modes and Describe the parameters above general (those relevant to the management of ventilator being critically ill or used). injured patients Interpret ventilation during air flow-volume loops transportation and relate these to and the mode of characteristics ventilation, adequacy of various types ventilation and of aircraft used condition of the for this purpose. patient. Discuss the importance of correctly setting

ventilator alarms and

values for a variety of alarm parameters for adults and children.

sample

provide

| using pulse oxim capnography arterial blood (ABG) analysis specific outcome ABG below). Troubleshoot a ra of situations relate alarms and pat ventilator problem Discuss the factors for pathogenesis ventilator-associa lung injury (VALI) | 00000 |
|---|--|
| that can be use order to minimise risk of VALI. Discuss far affecting readiness of a part for weaning mechanical ventilation and processes monitoring to carried out weaning. Describe invasive ventila (NIV) by referring its indications, con indications modes. Demonstrate setup and monite of NIV using mechanical ventila. Arterial Blood Analysis Explain the | distinct dis |
| 478 RULES AND REGULATIONS 2024 | |

| | | Identify respiratory and metabolic acidosis and alkalosis, and mixed acid-base disorders, from a blood gas report based upon the parameters given above and clinical patient data. Demonstrate how to obtain an arterial blood sample for ABG analysis Monitoring |
|--|--|--|
| | | Discuss the role of ECG, arterial oxygen saturation, end-tidal CO2, non-invasive blood pressure and body temperature monitoring in routine critical patient care. Discuss the role of invasive haemodynamic monitoring and the routine care of arterial vascular lines and their attachments. Discuss the role of central venous access and monitoring and the routine care of central venous lines and their attachments. |
| | | Flow rates and required drug volumes and concentrations for drug delivery with a syringe driver or infusion pump are accurately calculated. A syringe driver and infusion pump is used to effectively deliver a drug at a prescribed infusion rate. A syringe driver and infusion rate. A syringe driver and infusion pump is effectively managed with regard to |

| | | troubleshooting techniques. |
|--|--|---|
| | | The role of nasogastric feeds and TPN, as well as the care and monitoring of these during transfer, is briefly discussed. |
| | | Fluid Balance |
| | | Discuss the fluid requirements of critically ill patients including those post-surgery and those with trauma, burns, metabolic disorders and sepsis. Describe the appropriate choice of fluids for resuscitation of the above patients, and the strategies to be employed with regard to fluid resuscitation in these situations. Explain the basic procedures of fluid intake and output monitoring and documentation. |
| | | Intra-aortic Balloon Pump |
| | | Describe indications for and the placement and functioning of an intra-aortic balloon pump (IABP). Discuss the routine monitoring of a patient with a IABP in situ during transfer. Describe the steps to be taken to troubleshoot specific problems that may occur with a IABP during transfer. |
| | | Imaging |
| | | Demonstrate accurate interpretation of a chest radiograph. |
| | | General Care |

| | Discuss factors responsible for the formation of pressure |
|--|---|
| | ulcers in critically ill patients and how these can be avoided |
| | during transfer. • Explain the importance of |
| | maintaining a neutral thermal environment during transfer and how to achieve this. |
| | Describe the general care principles of intercostal and other drains, and wound dressings during transfer |
| | Preparation for Transfer, Transfer and Handover |
| | Demonstrate effective patient assessment, accumulation of data from all sources, patient packaging and decision-making in preparation for an ICU transfer. |
| | Discuss the haemodynamic and other changes that patients may experience during road transportation and the effects that these may have. |
| | Explain the decision-making and consultative steps to be taken if a patient suddenly deteriorates during transfer and requires resuscitation or other non-standing |
| | order treatment. • Describe the features of a fully comprehensive handover, including all documentation, of a patient at a receiving facility after an ICU transfer. |

| | | | | |
|-----|------|-------------|------|---|
| | | | • | Define the term thrombolysis and give |
| | | | | an overview of the |
| | | | | theoretical benefits and complications of |
| | | | | thrombolytic therapy. |
| | | | • | Discuss the |
| | | | | therapeutic role played by |
| | | | | thrombolytic therapy |
| | | | | in the treatment of |
| | | | | myocardial infarction (MI) and related acute |
| | | | | coronary syndromes. |
| | | | • | Critically evaluate scientific literature |
| | | | | either supporting or |
| | | | | refuting the safety and |
| | | | | effectiveness of pre- hospital thrombolysis |
| | | | | by non-physician, |
| | | | | independent practitioners. |
| | | | • | Discuss the |
| | | | | theoretical benefits of |
| | | | | initiating thrombolytic therapy in the pre- |
| | | | | hospital environment. |
| | | | • | Describe the |
| | | | | thrombolytic drugs in common usage under |
| | | | | the following |
| | | | | headings: mechanism of action; indications; |
| | | | | contra-indications; |
| | | | | precautions and drug interactions. |
| | | | • | Describe the most |
| | | | | recent, accepted |
| | | | | thrombolysis regimens and |
| | | | | referring to published |
| | | | | evidence, evaluate their appropriateness |
| | | | | within the pre-hospital |
| | | | _ | context. |
| | | | • | Discuss the common complications of |
| | | | | thrombolysis, |
| | | | | particularly in the pre- hospital environment, |
| | | | | and approaches that |
| | | | | may mitigate against |
| | | | • | these complications. Demonstrate sound |
| | | | | clinical decision- |
| | | | | making with regard to |
| 482 | | RULES AND F | REGU | ILATIONS 2024 |

| | | | patient selection for |
|-----|--|--------------|---|
| | | | prehospital |
| | | | thrombolysis, using clinical scenarios |
| | | | (including possible |
| | | | interpretation of a 12- lead |
| | | | electrocardiogram in |
| | | | each case). |
| | | | Principles of aeromedical transport |
| | | | Briefly describe the |
| | | | history and background of rotor |
| | | | and fixed wing |
| | | | medical evacuation, |
| | | | internationally and locally. |
| | | | • Discuss the |
| | | | advantages of aero- |
| | | | medical evacuation, both in terms of |
| | | | primary response and |
| | | | inter-facility transfer |
| | | | and refer to any scientific evidence in |
| | | | this regard. |
| | | | Give an overview of the characteristics |
| | | | and capabilities of |
| | | | current South African |
| | | | role players in the aero-medical |
| | | | evacuation field. |
| | | | • Discuss legislative, |
| | | | educational, |
| | | | registration and any other relevant |
| | | | requirements |
| | | | applicable to South African aero-medical |
| | | | evacuation |
| | | | organisations and |
| | | | medical personnel.Briefly describe the |
| | | | processes involved in |
| | | | receiving, |
| | | | dispatching, following and terminating an |
| | | | aero-medical mission |
| | | | both rotary and fixed |
| | | | wing.Discuss commonly |
| | | | used dispatch criteria |
| | | | for rotary and fixed |
| | | | wing missions. |
| 483 | | RUI FS AND R | EGULATIONS 2024 |

| | | | |
|-----|------|--------------|---|
| | | | • Describe conditions or situations where air |
| | | | evacuation would be inappropriate. |
| | | | Describe the safety precautions and |
| | | | procedures to be adhered to when |
| | | | operating near both rotary and fixed wing aircraft. |
| | | | Explain how to set up |
| | | | both day and night helicopter landing zones and how to |
| | | | control these landing zones in a safe way |
| | | | during approach, landing, loading and |
| | | | take-off. • Discuss the |
| | | | composition of the atmosphere and characteristics of its |
| | | | different layers. • State the gas laws |
| | | | (Boyle's, Charles', Dalton's, Henry's, |
| | | | ideal) and give examples of how |
| | | | these are applicable to functioning and |
| | | | caring for patients at altitude. |
| | | | Relate the gas laws specifically to the effects of cabin pressurisation and |
| | | | sudden loss thereof.Describe the effects of |
| | | | increasing altitude on oxygenation and |
| | | | human functioning related to hypoxia. |
| | | | Describe the stresses of flight and highlight ways in which any of |
| | | | ways in which any of these stresses could be minimised. |
| | | | Discuss the effects of various other factors |
| | | | (e.g. medication, fatigue etc) on human |
| | | | performance at altitude and identify |
| | | | substances or activities that must be |
| 181 | | PLILES AND P | FGULATIONS 2024 |

| T | | | |
|---|-------|-----|---|
| | | | avoided prior to or |
| | | | during flight. |
| | | | Explain general steps |
| | | | to be taken in |
| | | | accomplishing |
| | | | effective: |
| | | | |
| | | | |
| | | | hospital staff on |
| | | | arrival; |
| | | | Preparation of a |
| | | | patient for aero- |
| | | | medical |
| | | | evacuation; |
| | | | o Care and |
| | | | monitoring during |
| | | | flight; |
| | | | o Transfer to the |
| | | | receiving hospital |
| | | | (if applicable); |
| | | | Handover to the |
| | | | receiving hospital |
| | | | staff; |
| | | | D (() |
| | | | |
| | | | Discuss the legal and |
| | | | procedural |
| | | | consequences and |
| | | | approaches to the |
| | | | declaration of death in |
| | | | flight. |
| | | | - |
| | | | Diving Emergencies |
| | | | Define the following |
| | | | Define the following |
| | | | terms: |
| | | | o SCUBA; |
| | | | Closed circuit |
| | | | rebreather ; |
| | | | Surface supply |
| | | | diving |
| | | | • Calculate the |
| | | | pressures that water |
| | | | exerts on the body at |
| | | | different depths. |
| | | | Explain, in general |
| | | | terms, how diving |
| | | | tables work. |
| | | | |
| | | | Discuss the various |
| | | | gas laws (Boyle, |
| | | | Henry and Dalton) |
| | | | and explain how |
| | | | different gases, |
| | | | especially nitrogen |
| | | | and oxygen are |
| | | | affected at different |
| | | | depths. |
| | | | Calculate the partial |
| | 1 1 1 | i e | |
| | | | |
| | | | pressures of common |

| - | | | |
|----------|---|------|--|
| | | | gases at various |
| | | | depths. |
| | | | Calculate air |
| | | | consumption and gas |
| | | | volumes in different |
| | | | |
| | | | size pressure vessels. |
| | | | Identify important |
| | | | information to obtain |
| | | | when interviewing a |
| | | | patient that suffers |
| | | | from a diving related |
| | | | emergency |
| | | | • Explain the |
| | | | |
| | | | |
| | | | following diving |
| | | | activities on patients |
| | | | suffering from a |
| | | | diving-related |
| | | | emergency: |
| | | | Exceeding |
| | | | recommended |
| | | | total bottom time, |
| | | | or prolonged total |
| | | | bottom time at |
| | | | depth; |
| | | | Multilevel dives; |
| | | | Repeated dives |
| | | | and time frames |
| | | | between dives; |
| | | | 1 |
| | | | o Missed |
| | | | decompression |
| | | | and safety stops; |
| | | | Diving at altitude ; |
| | | | o Diving in cold |
| | | | water; |
| | | | Travelling after |
| | | | diving ; |
| | | | Rapid ascent; |
| | | | • Discuss the |
| | | | pathology, clinical |
| | | | features and |
| | | | management of the |
| | | | following disorders: |
| | | | Squeeze and |
| | | | reverse squeeze; |
| | | | |
| | | | |
| | | | ears, teeth and |
| | | | sinuses; |
| | | | o Nitrogen |
| | | | narcosis; |
| | | | Decompression |
| | | | sickness; |
| | | | o Lung |
| | | | hyperinflation |
| | | | syndrome; |
| | | | o Surgical |
| | | | emphysema; |
| | | | |
| | · | | |

| | | | | | | | Pneumothorax and tension pneumothorax; Arterial gas embolism; Explain the relationship between decompression sickness and decompression illness. Define the term shallow water blackout. List the risk factors for shallow water blackout. Explain how shallow water blackout occurs, at depth and due to hyperventilation. Discuss the management of a patient suffering from shallow water blackout. |
|----------------------------|-------------|------|----|---|---|---|---|
| Mental Health and Wellness | MHW1BB 1 | 100% | 0% | 6 | 6 | The purpose of this module was to educate the student in personal health and wellness and prepare them to manage themselves for the adverse circumstances facing them as paramedics (that may put them at personal and professional risk). It was specifically designed to assist the student in managing stress and preventing burnout and to assist them to manage themselves and interactions with others effectively so as to maximize their effective functioning as a paramedic both on | Throughout completion of this module, the following learning outcomes were achieved: • Show evidence of an awareness of your personal challenges with respect to stress management and possible solutions to these. • Demonstrate knowledge of strategies for conflict management within yourself and in interaction with others. • Know the definitions and symptoms/ signs/ preventative and treatment measures applicable, for the following: > Post Traumatic Stress Disorder (PTSD) |

| | | | | | | duty and in order to maintain a level of healthy functioning off duty. The purpose was, furthermore, to provide the student with theory as well as practical working tools with which to apply this knowledge to their individual lives in a practical and real way. The course was designed to develop the students personal monitoring and observation skills and to extend their interpersonal management abilities. The module was designed to extend the student's knowledge of substance abuse and the grieving process so that they are better able to understand the real dangers of ineffective stress relief and so that they can understand their own and other's natural reactions and processes related to death and dying. | ➤ Substance abuse ➤ Depression ➤ Anxiety ➤ Stress ➤ Burnout Explain the grief process as described by Kubler-Ross. Apply your knowledge of any of the above sections to your personal and professional life challenges. Show an understanding of how the various aspects of this course relate to each other. |
|----------------------------|-------------|------|----|---|----|--|--|
| Motor Vehicle Rescue | MVR01Y 2 | 100% | 0% | 6 | 12 | The purpose of this module was to provide the student with the knowledge, skills and techniques to extricate entrapped victims involved in land-based vehicle collisions. The module focused on the fundamentals of vehicle anatomy and new car | Throughout completion of this module, the following learning outcomes were achieved: • Vehicle rescue safety and the management of an extrication incident • Identify the points that should be taken into consideration when choosing the following personal |

| | | technology, collision trauma and the | protective equipment (PPE) items that are used |
|-----|--|---|---|
| | | management of a vehicle accident. The techniques and equipment used to extricate patients | by operational personnel at a vehicle rescue incident: • Helmet |
| | | were dealt with in detail during this module. | Hearing protection |
| | | | Eye protection |
| | | | Respiratory protection |
| | | | Protective clothing |
| | | | Protective footwear |
| | | | Protective handwear |
| | | | Universal precautions against blood-borne pathogens |
| | | | Discuss extrication incident safety under the following headings: |
| | | | Importance of Training |
| | | | Operational Assignments |
| | | | Medical Component or Medical Standby |
| | | | Rehabilitation Station |
| | | | Mitigation of Potential Hazards |
| | | | Appointment of a Safety Officer |
| | | | Effective Personnel Accountability |
| | | | Identify safety hazards related to |
| 489 | | RULES AND R | EGULATIONS 2024 |

| | | | | | a vehicle rescue incident. |
|-----|---|----------|-----------------|-------|--|
| | | | | 0 | Explain how to mitigate or remove these hazards. |
| | | | | 0 | Discuss what should be implemented when planning a response to an extrication incident. |
| | | | | 0 | List the pertinent questions that should be asked by the person taking charge of the incident. |
| | | | | 0 | List the critical decisions that need to be made by the person taking charge of the incident. |
| | | | | 0 | Discuss the factors that need to be considered during a scene size-up, at an extrication incident, under the following headings: |
| | | | | | Scene assessment |
| | | | | | Assessment of vehicles involved |
| | | | | | Assessment of patients |
| | | | | | Extrication assessment |
| | | | | | Resource assessment |
| | | | | | Patient removal assessment |
| | | | | 0 | Identify scenarios where outside assistance may be needed to support the teams on an incident. |
| 490 | 1 | <u> </u> | RULES AND F | EGULA | TIONS 2024 |

| | | | | | 0 | Explain the importance of shelter and thermal control on a vehicle rescue scene. |
|-----|--------------|-----|---|--------------|-------|--|
| | | | | | 0 | Illustrate the placement of emergency vehicles on an incident to ensure the scene is adequately protected. |
| | | | | | 0 | Illustrate the placement of road cones in order to channel vehicles safely in the following circumstances: |
| | | | | | | Straight road – multiple lanes |
| | | | | | | Straight road – single lane |
| | | | | | | Corner |
| | | | | | | ■ Blind rise |
| | | | | | | Intersections and junctions |
| | | | | | | Highways |
| | | | | | 0 | List the factors and conditions that need to be considered when controlling traffic and scene safety. |
| | | | | | 0 | Explain how you would use 'control zones' to avoid congestion and confusion around an extrication incident |
| | | | | | 0 | Explain the importance of identifying evacuation routes on an extrication incident. |
| | | | | | 0 | Discuss the steps that will be taken to |
| 491 | <u>'</u> | , , | R | RULES AND RE | GULAT | IONS 2024 |

| | | | T |
|--|---|-------|--|
| | | | plan for the extrication when you arrive on scene. |
| | | | Discuss what will be done in order to terminate the incident. |
| | | | Vehicle anatomy and new care technology considerations |
| | | | Identify the common terms used to identify the various areas of a vehicle. Explain the importance of having generic terms for parts of a vehicle in rescue scenarios. |
| | | | Identify the different types of vehicle fames used in construction of the car. |
| | | | Explain why it is important to know the effect the vehicle's frames have on the overall structural integrity of the vehicle. |
| | | | Discuss the technological advancements that have been designed to improve protection for the occupant during a collision under the following headings: |
| | | | Types of materials used in vehicle construction |
| | | | Supplementar y restraint |
| | 1 | • | • |

| | | | | • | Rollover |
|--------------|--|----------|----------|--|---|
| | | | | | protection systems |
| | | | | • | Glass o Fuel systems |
| | | | | • | Exhaust systems |
| | | | | • | Electrical systems |
| | | | | • | Power train systems |
| | | | | thated additional temperature and the second additional temperature an | scuss the impact at these modern chnological vancements are on the safety the patients, scuers, standers and her personnel orking at a rescue cident? |
| | | | | me po (ne ha re en ve | escribe mitigation easures for all essible threats ew technology exards) in order to ender a safe exironment on hicle rescue cidents. |
| | | | • | | ion science and ion trauma |
| | | | | o Ex im co gra | scuss laws the ws of motion. cplain the portance of the ncept, 'centre of avity' in a vehicle llision. |
| | | | | ba as | escribe the three sic impacts sociated with tients and |
| | | | | kir un | escribe the nematics of injury der the following eadings: |
| | | | | • | Front-impact collision |
| <u> </u> | | DI 11 50 | AND PEGI | | 0.0004 |

| 1 | | | | |
|-------|-------|---|-------------|--|
| | | | | Rear-impact collision |
| | | | | Side-impact collision |
| | | | | Rollover |
| | | | | Under-ride and Over-ride |
| | | | | Rotational |
| | | | 1 | Explain the expected injuries in the following collision types: |
| | | | | Head-on impact collision |
| | | | | Side-impact collision |
| | | | | Rear impact collision |
| | | | | Rotational impact collision |
| | | | | Rollover |
| | | | | Describe entrapment problems anticipated with each basic type of motor vehicle crash involving occupants in various locations within the vehicle at the time of the collision. |
| | | | | nicle rescue tools I equipment |
| | | | 1 6 1 | dentify the following types of extrication related cools and equipment. Stabilization equipment |
| | | | | Hand tools |
| | | | | Pneumatic power tools |
| - | • | , | | |

| Т | | |
|---|-----|--|
| | | Pneumatic lifting bags |
| | | Electric tools |
| | | Hydraulic tools |
| | | Power saws |
| | | Thermal cutting devices |
| | | Lifting and pulling tools |
| | | Identify the components of the aforementioned extrication related tools and equipment. |
| | | List the pre-use operational checks that should be done on the aforementioned extrication related tools and equipment. |
| | | Discuss the care and maintenance of the aforementioned extrication related tools and equipment. |
| | | Extrication techniques |
| | | Explain the importance of the stabilization of a vehicle during motor vehicle collision incidents. Describe the basic principle of vehicle stabilisation. |
| | | Explain the fundamentals of stabilisation under the following headings: |
| | | Vehicle upright o Vehicle on its side |
| | | Vehicle on its roof |
| | | Vehicles in other positions |
| • | · · | · |

| | | <u> </u> | | |
|-----|--|----------|---------------|--|
| | | | | Use of recovery vehicles (towing vehicles or cranes) |
| | | | | List reasons for using lifting techniques at the vehicle rescue incidents. |
| | | | | List the precautions that should be taken when using chains at vehicle rescue incidents. |
| | | | | Identify the different types of wire rope construction. |
| | | | | List the considerations that should be taken when deciding to retire a wire rope. |
| | | | | Discuss reasons why slings would be advantageous when used in the vehicle rescue environment. |
| | | | | Identify the various hitches used during vehicle rescue. |
| | | | | Identify the various types of rigging fitting that are used in combination with chains, rope wires and slings. |
| | | | | Discuss ways to protect the patient and rescuers during the removal of glass. |
| | | | | Explain ways that you can 'try-before-you- pry' in order to create openings for patient access. |
| | | | | Explain the reason for creating a 'purchase point' during the removal of a panel or door during vehicle extrication. |
| 496 | | | L RULES AND R | EGULATIONS 2024 |

| | | List safety considerations that should be taken when forcing a door during extrications. |
|--|--|---|
| | | Identify the Nader pin and door latch on a vehicle. |
| | | Discuss the difference between a full 'roof removal' and a 'roof flap.' |
| | | Discuss the circumstances when you would preferably lift a dashboard as opposed to 'rolling' it. |
| | | Discuss the circumstances when you would remove a seat during an extrication. |
| | | Identify the vehicle extrication progression system using ABCDEF acronym. |
| | | Practical skills outcomes |
| | | Act in a safe manner during all motor vehicle rescue training scenarios. Correctly don and doff |
| | | all PPE used for motor vehicle rescue. |
| | | Stage an area for all motor vehicle rescue equipment during training. |
| | | Fulfil the role of each member within a motor vehicle rescue team. |
| | | Correctly complete a scene assessment, including circle surveys, and report findings to the rescue team leader. |
| | | |

| | | | Mitigate all identified safety hazards using recognised techniques. |
|-----|---|----------|---|
| | | | Correctly stabilise a vehicle using the following equipment: |
| | | | Cribbing |
| | | | Chocks and wedges |
| | | | Chains |
| | | | Slings |
| | | | Wire rope |
| | | | Pneumatic airbags |
| | | | Pneumatic stabilising struts |
| | | | Gain access to entrapped patients quickly and safely to provide medical group route of entry to provide patient care. |
| | | | Provide patient care and stabilization according to the medical group's scope of practice |
| | | | Correctly remove laminated glass using the following equipment: |
| | | | Commercial windshield removal tool |
| | | | Reciprocating saw |
| | | | ■ Air chisel |
| | | | Correctly remove tempered glass using the following equipment: |
| | | | Spring-loaded centre punch |
| | | | ■ Halligan tool |
| | | | Correctly carryout the following rescue techniques using safe |
| 400 | 1 | <u> </u> | S AND DECLII ATIONS 2024 |

| | and effective methods: |
|--|--|
| | ■ Opening of bonnet |
| | Opening of trunk/boot |
| | ■ Front door removal |
| | ■ Rear door removal |
| | ■ Total sidewall removal |
| | ■ Full roof removal |
| | ■ Entry through roof with vehicle on its side |
| | ■ Lifting of steering column |
| | ■ Lifting of dashboard |
| | ■ Rolling of steering column |
| | ■ Rolling of dashboard |
| | ■ Floor pan drop |
| | ■ Seat displacement |
| | ■ Seat removal |
| | ■ Pedal cutting |
| | Displacement of pedal |
| | Correctly care for, and maintain all equipment used for extrication scenarios. |
| | Package a patient for removal in a safe and effective manner. |
| | Select an appropriate route of egress to remove the patient safely. |

| | 1 | Ī | | | | | Correctly desired |
|--|-------------|------|----|---|----|--|---|
| | | | | | | | Correctly clean a scene of a vehicle rescue to ensure safety to the public once the rescue has been completed. |
| Paediatric and Neonatal Emergency Care | EMC02Y 4 | 100% | 0% | 8 | 12 | The purpose of studying Paediatric & Neonatal Emergency Care is to develop and demonstrate the following broad outcomes on the culmination of your learning activities: • Discuss the basic principles of history taking and clinical assessment in paediatric patients, with particular reference to anatomical and physiological differences across paediatric age groups. • Demonstrate effective and clinically useful history taking in paediatric patients. • Identify the hypoxic or shocked paediatric patient through a well-structured, targeted clinical examination. • Discuss and demonstrate | ■ Give a logical approach to the classification of paediatric patients into various categories based on age group (premature, newborn, neonate, infant, child, adolescent) and define the transition between paediatric and adult categories. ■ Explain important differences between adult and paediatric physical examination, specifically examination of the head, neck, chest and abdomen. ■ Discuss strategies and limitations of history taking in various paediatric age groups. ■ Describe and/or demonstrate ALS resuscitation of paediatric patients, specifically newborn, neonate, infant and child resuscitation. This includes diagnosis and treatment of cardiac arrest, peri-arrest arrhythmias (bradycardia, narrowand wide-complex tachycardias) and post-resuscitation care. [Refer to HPCSA ALS protocols] ■ Demonstrate the following isolated resuscitation skills in paediatric patients, either simulated or |

500

| application of basic and advanced life support resuscitation algorithms and skills for newborns, infants and children. • Describe the aetiology, clinical features and management of a range of emergencies in neonates. • Describe the aetiology, clinical features and management of a range of emergencies in infants and children. • Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. • Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. • Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition to specific principles of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition to specific principles of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting of acute treatment. • Discuss the recognition and reporting treatment. • Discuss the recognition and reporting treatment. • | | effective | real: |
|--|--|-------------------|---------------------------------------|
| basic and advanced life support resuscitation algorithms and skills for newborns, infants and children. • Describe the aetiology, clinical features and management of a range of emergencies in neonates. • Describe the aetiology, clinical features and management of a range of emergencies in infants and children. • Describe the aetiology, clinical features and management of a range of emergencies in infants and children. • Discuss the recognition and children. • Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. • Discuss the recognition and neglect, in addition to specific principles of acute treatment. • Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical | | | |
| advanced life support resuscitation algorithms and skills for newborns, infants and children. • Describe the aetiology, clinical features and management of a range of emergencies in neonates. • Describe the aetiology, clinical features and management of a range of emergencies in infants and children. • Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. • Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical | | • • | o Bag-valve-mask |
| support resuscitation algorithms and skills for newborns, infants and children. Describe the aetiology, clinical features and management of a range of emergencies in inconates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIVI/AIDS in South Africa and the most common associated presenting clinical | | | I - |
| resuscitation algorithms and skills for newborns, infants and children. Describe the aetiology, clinical features and management of a range of emergencies in neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIOS in South Africa and the most neportage of presenting clinical presenting of the causation and pathophysiology of SIDS. Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate to the premature in the premature in the pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Describe risk factoris. Discuss the epidemiology of paediatric HIV/AIOS in South Africa and the most neonate. Differentiate between primary as a secondary apnoea. Describe risk factoris for the aetiology. | | | · |
| on Intraosseous infusion: algorithms and skills for newborns, infants and children. • Describe the aetiology, clinical features and management of a range of emergencies in infants and children. • Describe the aetiology, clinical features and management of a range of emergencies in infants and children. • Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. • Discuss the epidemiology of paediatric HIV/AIOS in South Africa and the most common associated presenting clinical | | | |
| algoritims and skills for newborns, infants and children. Describe the aetiology, clinical features and management of a range of emergencies in neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical | | | |
| skills for newborns, infants and children. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Discuss the epidemiology of paediatric and the most common associated presenting clinical | | • | |
| newborns, infants and children. Describe the aetiology, clinical features and management of a range of emergencies in neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical | | | |
| infants and children. Describe the aetiology, clinical features and management of a range of emergencies in ineonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical leaf processing clinical leaf presenting clinical leaf paediatric and the most common associated presenting clinical leaf presenting clinical leaf presenting clinical leaf presenting clinical leaf presenting common associated presenting clinical leaf presenting clinical leaf presenting clinical leaf presenting cannot be easted the management of suspected meconium aspiration; OManagement of suspected meconium aspiration; SIDS Discuss putative aetiological factors. Describe current theories concerning the causation and pathophysiology of SIDS. Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate concerning the causation and pathophysiology of SIDS. Explain the decision-making process with requard to viability of suppartion; SIDS Explain the decision-making process with requard to viability of suppartion; SIDS Explain the decision-making process with required theories concerning aptrophysiology of SIDS. Explain the decision-making process with required theories concerning aptrophysiology of SIDS. Explain the decision-making process with required theories concerning aptrophysiology of SIDS. Explain the decision-making process with required theories concerning aptrophysiology of SIDS. Explain the decision-making process with required theories concerning aptrophysiology of SIDS. Explain the decision-making process with required th | | , | · · · · · · · · · · · · · · · · · · · |
| children. Describe the aetiology, clinical features and management of a range of emergencies in neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Differentiate between primary and secondary apnoea. Differentiate between primary and secondary apnoea. Describe risk decision-making process with regard to viability of a paediatric resuscitation with the context of a SIDS case, but also in general terms. The Premature Neonate composable complications specific to pre-hospital care of the premature neonate. Discuss the epidemiology of paediatric resuscitation with the context of a SIDS case, but also in general terms. The Premature Neonate composable complications specific to pre-hospital care of the premature neonate. Discuss the context of a SIDS case, but also in general terms. The Premature Neonate composable complications specific to pre-hospital care of the premature neonate. Discuss the cathological factors. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Point Alvancia features and management of suspected decension. Discuss putative aetiological factors. Discuss putative aetiology of SIDS. Explain the decision-making process with regard to viability of a paediatric resuscitation with the context of a SIDS case, but also in general terms. The Premature Neonate concerning the causation and pathophysiology of paediatric resuscitation with the context of a SIDS case, but also in general terms. The Premature Neonate concerning the causation and pathophysiology of paediatric resuscitation with the context of a SIDS case, but al | | infants and | pacing: |
| Describe the aetiology, clinical features and management of a range of emergencies in neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Catheterisation; oAmanagement of suspected meconium aspriation; S/DS SolDS. Discuss putative aetiological factors. Describe the aetiology, clinical features and pathophysiology of SIDS. Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in regard to viability of a paediatric resuscitation to the prematurity and discuss the challenges and probable complications specific to pre-hospital care of a premature neonate. Discuss the epidemiology of paediatric and the most common associated presenting clinical | | children. | |
| o Management of suspected meconium aspiration; SIDS Describe the aetiology, clinical features and management of emergencies in neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical o Management of suspected meconium aspiration; SIDS. SIDS. Discuss putative aetiological factors. Describe current theories concerning the causation and pathophysiology of SIDS. Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate value of the premature in the context of a SIDS case, but also in general terms. The Premature Neonate value of the premature in the context of a SIDS case, but also in general terms. The Premature Neonate value of the premature in the context of a SIDS case, but also in general terms. The Premature Neonate value of the premature in t | | | |
| aetiology, clinical features and management of a range of emergencies in neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIVIAIDS in South Africa and the most common associated presenting clinical suspected meconium aspiration; SIDS. Discuss putative aetiological factors. Describe current theories concerning the causation and pathophysiology of SIDS. Explain the decision-making process with reagard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate Define prematurity and discuss the context of a SIDS case, but also in general terms. The Premature Items. The Premature Items and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors Describe risk factors Discuss putative aetiological factors. Describe risk factors The Discuss the recognition and pathophysiology of sological factors. Describe risk factors The Discuss putative aetiological factors. Describe risk factors The Discuss the decision-making process with readion viability of a paediatric resuscitation within the context of a SIDS Case, but also in general terms. The Premature levens of the premature factor of paed | | | - |
| clinical features and management of a range of emergencies in neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical | | . | _ |
| management of a range of emergencies in neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical | | clinical features | • |
| management of a range of emergencies in neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical | | and | aspiration; |
| emergencies in neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Discuss the epidemiology of paediatric and the most common associated presenting clinical Discuss the eacision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate Describe current theories concerning the causation and pathophysiology of SIDS. Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate Describe current theories concerning the causation and pathophysiology of SIDS. Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. | | management | |
| neonates. Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Discribe the aetiological factors. Describe current theories concerning the causation and pathophysiology of SIDS. Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate Define premature's and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. | | of a range of | Define SIDS. |
| Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical | | emergencies in | ■ Discuss putative |
| Describe the aetiology, clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical theories concerning the causation and pathophysiology of SIDS. Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the develonment | | _ | aetiological factors. |
| aetiology, clinical features and management of a range of emergencies in infants and children. • Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. • Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical • Discriplications specific to pre-hospital care of the pre-hospital care of a premature neonate. • Discuss the epidemiology of paediatric the pre-hospital care of a premature neonate. • Discuss the epidemiology of SIDS. • Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate • Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the pre-hospital care of a premature neonate. • Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. • Discuss the epidemiology of SIDS. | | | ■ Describe current |
| clinical features and management of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical pathophysiology of SIDS. Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | | |
| and management of a range of emergencies in infants and children. • Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. • Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical **SIDS.** • Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. **The Premature Neonate* • Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. • Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. **Neonatal Asphyxia** **Neonatal Asphyxia** **Differentiate between primary and secondary apnoea.** **Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical** | | aetiology, | the causation and |
| management of a range of emergencies in infants and children. • Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. • Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical • Explain the decision-making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate • Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. • Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia • Differentiate between primary and secondary apnoea. • Describe risk factors for the development | | clinical features | |
| of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate " Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | and | |
| of a range of emergencies in infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical making process with regard to viability of a paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate Degeneral terms. The Premature Neonate complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | management | |
| paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate Discuss the recognition and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. HIV/AIDS in South Africa and the most common associated presenting clinical Differentiate between primary and secondary apnoea. Describe risk factors for the development | | _ | |
| infants and children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical paediatric resuscitation within the context of a SIDS case, but also in general terms. The Premature Neonate Poefine prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | emergencies in | |
| children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Children. Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors | | | |
| Discuss the recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Discuss the recognition and reporting of case, but also in general terms. The Premature Neonate Define premature Neonate Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | | |
| recognition and reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical general terms. The Premature Neonate Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | | |
| reporting of child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical The Premature Neonate Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | • Discuss the | - |
| child abuse and neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Define prematurity and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | recognition and | _ |
| and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical and discuss the challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | reporting of | |
| neglect, in addition to specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical challenges and probable complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. HIV/AIDS in South Africa and the most common associated presenting clinical | | child abuse and | |
| addition to specific principles of acute treatment. • Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical • Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical | | neglect, in | |
| specific principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical specific complications specific to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | • | |
| principles of acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical principles of acute to pre-hospital care of the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | specific | 1 |
| acute treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical the premature neonate. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the dayelopment | | | |
| treatment. Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical treatment. Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | • • | <u> </u> |
| Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Give a systematic account of routine steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development. | | | <u> </u> |
| Discuss the epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical Discuss the epidemiology of paediatric the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development. | | a oddinont. | |
| epidemiology of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical steps to be taken in the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | • Discuss the | |
| of paediatric HIV/AIDS in South Africa and the most common associated presenting clinical the pre-hospital care of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | epidemiology | |
| HIV/AIDS in South Africa and the most common associated presenting clinical HIV/AIDS in of a premature neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | | • |
| South Africa and the most common associated presenting clinical South Africa neonate. Neonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | | <u> </u> |
| and the most common associated presenting clinical All Meonatal Asphyxia Differentiate between primary and secondary apnoea. Describe risk factors for the development | | | • • • • • • • • • • • • • • • • • • • |
| common associated presenting clinical Differentiate between primary and secondary apnoea. Describe risk factors for the development | | | |
| associated presenting clinical primary and secondary apnoea. Describe risk factors for the development | | | |
| presenting clinical secondary apnoea. Describe risk factors | | | |
| clinical Describe risk factors | | | |
| Cililical for the development | | | |
| CONCUENCE | | | |
| of primary and | | conditions. | · · |
| secondary apnoea. | | | |
| ■ Explain the principles | | | |

| | | | of pre-hospital |
|-----|----------|-------------|--|
| | | | treatment for both |
| | | | forms of apnoea, |
| | | | emphasising the |
| | | | principle of the |
| | | | 'inverted pyramid'. |
| | | | Respiratory Distress |
| | | | Syndrome |
| | | | Define RDS. |
| | | | Name aetiological |
| | | | factors associated |
| | | | with RDS. |
| | | | ■ Explain the |
| | | | pathophysiology of |
| | | | RDS, specifically |
| | | | effects on pulmonary |
| | | | mechanics, gas |
| | | | exchange and acid- |
| | | | base balance. |
| | | | Describe the clinical |
| | | | features of RDS and |
| | | | differentiate between |
| | | | RDS and TTN. |
| | | | Discuss principles of |
| | | | pre-hospital treatment for RDS. |
| | | | treatment for RDS. |
| | | | Meconium Aspiration |
| | | | ■ Describe the |
| | | | composition of |
| | | | meconium, |
| | | | physiological aspects |
| | | | related to its |
| | | | formation in normal |
| | | | term gestation and |
| | | | factors predisposing |
| | | | to aspiration of |
| | | | meconium. |
| | | | Identify diagnostic |
| | | | features of meconium |
| | | | aspiration in a |
| | | | newborn. |
| | | | ■ Give a stepwise |
| | | | explanation of the |
| | | | procedure to be |
| | | | followed in |
| | | | resuscitating a |
| | | | newborn with |
| | | | meconium aspiration. |
| | | | Specifically, discuss the releast of questioning |
| | | | the role of suctioning |
| | | | of the respiratory tract |
| | | | in meconium |
| | | | aspiration and |
| | | | contrast this with the |
| | | | role of suctioning of |
| | | | the respiratory tract in a newborn without |
| 1 | <u> </u> | | |
| 502 | | RULES AND R | EGULATIONS 2024 |

| | | | | |
|-----|-------------|----------|-------------|---|
| | | | | meconium aspiration |
| | | | | (i.e. also discuss the |
| | | | | negative effects of |
| | | | | overzealous routine |
| | | | | suctioning). |
| | | | | Safe Transfer of the Sick |
| | | | | Neonate |
| | | | | ■ Discuss the |
| | | | | importance of |
| | | | | communication and |
| | | | | documentation in |
| | | | | |
| | | | | neonatal transfer |
| | | | | cases, and the role of |
| | | | | each team member in |
| | | | | this respect. |
| | | | | Describe the |
| | | | | principles of |
| | | | | neonatology relevant |
| | | | | to patient stabilisation |
| | | | | of patients prior to |
| | | | | transport, and explain |
| | | | | why stabilisation is |
| | | | | important prior to |
| | | | | movement of these |
| | | | | critically ill patients. |
| | | | | Give examples of |
| | | | | crises that could |
| | | | | occur during neonatal |
| | | | | transfer and discuss |
| | | | | |
| | | | | how each of these |
| | | | | should be handled. |
| | | | | ■ Discuss the |
| | | | | importance of family |
| | | | | support before, |
| | | | | during and after |
| | | | | neonatal transfer. |
| | | | | Pneumonia |
| | | | | Discuss the incidence |
| | | | | and epidemiology of |
| | | | | pneumonia amongst |
| | | | | paediatric patients. |
| | | | | Name the commonly |
| | | | | implicated causative |
| | | | | pathogens in different |
| | | | | age groups. |
| | | | | Briefly describe the |
| | | | | |
| | | | | pathophysiology of |
| | | | | the most commonly |
| | | | | encountered types of |
| | | | | bacterial pneumonia. |
| | | | | Name clinical |
| | | | | features associated |
| | | | | with the most |
| | | | | commonly |
| | | | | encountered types of |
| | | | | bacterial pneumonia. |
| | | | | Discuss principles of |
| | | | | pre-hospital |
| | 1 | <u> </u> | B E | |
| 503 | | | RULES AND R | EGULATIONS 2024 |

| | T | | | |
|-----|---|--|-------------|---|
| | | | | supportive treatment |
| | | | | for the most |
| | | | | commonly |
| | | | | encountered types of |
| | | | | bacterial pneumonia. |
| | | | | Asthma |
| | | | | Discuss the incidence |
| | | | | and epidemiology of |
| | | | | childhood asthma. |
| | | | | Name the commonly |
| | | | | implicated |
| | | | | aetiological factors for |
| | | | | acute asthma attacks |
| | | | | in childhood. |
| | | | | Describe the |
| | | | | pathophysiology of an |
| | | | | acute asthma attack. |
| | | | | List the clinical |
| | | | | features of an acute |
| | | | | asthma attack, |
| | | | | emphasising |
| | | | | differences between |
| | | | | paediatric and adult |
| | | | | forms of the disease. |
| | | | | Define status |
| | | | | asthmaticus and |
| | | | | explain factors |
| | | | | contributing to the |
| | | | | high mortality |
| | | | | associated with this |
| | | | | condition. |
| | | | | Discuss principles of |
| | | | | pre-hospital |
| | | | | treatment for an acute |
| | | | | asthma attack and |
| | | | | status asthmaticus. |
| | | | | [Refer to HPCSA ALS |
| | | | | protocols] |
| | | | | A manda da sis |
| | | | | Anaphylaxis |
| | | | | Describe the most |
| | | | | common causative |
| | | | | factors for |
| | | | | anaphylaxis occurring |
| | | | | in paediatric patients |
| | | | | and list the diagnostic |
| | | | | features of this |
| | | | | condition. |
| | | | | Clinically distinguish |
| | | | | between anaphylaxis |
| | | | | with upper airway |
| | | | | involvement, lower |
| | | | | airway involvement |
| | | | | and cardiovascular |
| | | | | involvement. |
| | | | | Discuss principles of probability |
| | | | | pre-hospital treatment for |
| | | | | |
| 504 | | | RULES AND R | EGULATIONS 2024 |

| | T | T | 1 | | |
|-----|---|---|-----|-----------------------------------|--------------|
| | | | | anaphylaxis v | |
| | | | | one or more | of the |
| | | | | above f | eatures. |
| | | | | [Refer to HPC | SA ALS |
| | | | | protocols] | |
| | | | | Bronchiolitis | |
| | | | | ■ Discuss the in | cidence |
| | | | | and epidemic | |
| | | | | bronchiolitis. | blogy of |
| | | | | | mmonly |
| | | | | Traine the co | illillorily |
| | | | | implicated | |
| | | | | aetiological fa | ctors for |
| | | | | bronchiolitis. | |
| | | | | Describe | the |
| | | | | pathophysiolo | gy of |
| | | | | bronchiolitis. | |
| | | | | ■ List the | clinical |
| | | | | features | of |
| | | | | bronchiolitis. | |
| | | | | ■ Discuss princ | iples of |
| | | | | pre-hospital | • |
| | | | | treatment | for |
| | | | | bronchiolitis. | 101 |
| | | | | Laryngotracheobi | ronchitis |
| | | | | (LTB) & Epiglottiti | |
| | | | | ■ Define LTE | |
| | | | | | 3 and |
| | | | | epiglottitis. | |
| | | | | Diliciondate | |
| | | | | LTB and ep | |
| | | | | by referring to | • • |
| | | | | patient | age |
| | | | | distributions f | |
| | | | | causative or | |
| | | | | and dif | ferential |
| | | | | clinical feature | es. |
| | | | | Describe | the |
| | | | | pathophysiolo | gy of |
| | | | | both condition | |
| | | | | ■ Grade LTB ir | |
| | | | | moderate and | |
| | | | | using various | |
| | | | | features. | - Cili IIOGI |
| | | | | Discuss princ | inles of |
| | | | | pre-hospital | ihica ni |
| | | | | | TD |
| | | | | treatment for I | |
| | | | | epiglottitis, | with |
| | | | | particular atte | |
| | | | | airway manag | |
| | | | | | ase of |
| | | | | epiglottitis. | |
| | | | | Dehydration | |
| | | | | ■ Name the o | common |
| | | | | causes | of |
| | | | | dehydration | in |
| | | | | _ | aediatric |
| | | | | age categorie | |
| | | | | ■ Grade dehydr | |
| | | | | referring to va | |
| | | | 1 1 | | A1 1003 |
| 505 | | | | RULES AND REGULATIONS 2024 | |

| | | 1 | |
|-----|--|---|---|
| | | | clinical features. Discuss the |
| | | | pathophysiological effects of ECF fluid |
| | | | shifts. |
| | | | Explain the goals of fluid replacement |
| | | | therapy for |
| | | | dehydration and describe the roles |
| | | | played by both oral |
| | | | and IV rehydration.Give the constituents |
| | | | of the WHO oral |
| | | | rehydration solution and explain how and |
| | | | when this should be |
| | | | administered.Discuss options for IV |
| | | | access in different |
| | | | paediatric age groups and compare the |
| | | | advantages and |
| | | | disadvantages of each choice. |
| | | | Describe optimal |
| | | | choices for fluid type and administration |
| | | | volume/rate in the |
| | | | treatment of severe dehydration. |
| | | | Define paediatric |
| | | | maintenance fluid administration in |
| | | | terms of types of fluid |
| | | | and volume/rates of infusion. |
| | | | Shock Describe the clinical |
| | | | presentation of |
| | | | hypovolaemic shock in different paediatric |
| | | | age groups, |
| | | | emphasising the assessment of end- |
| | | | organ perfusion. |
| | | | Describe optimal choices for fluid type |
| | | | and administration |
| | | | volume/rate in the treatment of |
| | | | hypovolaemic shock. |
| | | | Explain how to effectively monitor the |
| | | | paediatric patient in |
| | | | hypovolaemic shock in order to ensure |
| | | | adequacy of fluid |
| 506 | | | EGULATIONS 2024 |

| | | | therapy and avoid complications |
|-----|--|----------------|---|
| | | | associate with over- hydration. |
| | | | Define and describe other important types |
| | | | of shock in paediatric patients, their |
| | | | differential clinical features and give a |
| | | | broad outline of |
| | | | associated principles of pre-hospital |
| | | | treatment. Discuss the role |
| | | | played by vasopressors |
| | | | [adrenaline]in the treatment of shock |
| | | | and explain principles of administration, |
| | | | side-effects, complications and |
| | | | contra-indications. |
| | | | [Refer to HPCSA ALS protocols] |
| | | | |
| | | | Congenital Cardiac Abnormalities |
| | | | Describe the foetal circulation and |
| | | | discuss circulatory changes that occur at |
| | | | and immediately after birth. |
| | | | Distinguish between |
| | | | cyanotic and acyanotic congenital |
| | | | cardiac abnormalities. |
| | | | List the anatomical features, and give an |
| | | | overview of the major pathopysiological |
| | | | effects of: |
| | | | o Tetralogy of Fallot; |
| | | | o Pulmonary atresia with & |
| | | | without VSD; o Transposition |
| | | | of the great arteries; |
| | | | o Total anomalous |
| | | | pulmonary |
| 507 | | D. II EO AND B | EGULATIONS 2024 |

| | | | | venous drainage; Hypoplastic left heart syndrome; Pulmonary stenosis; Aortic coarctation. Diabetes Mellitus Discuss the incidence and epidemiology of diabetes mellitus occurring in childhood. |
|-----|--|----------|-----------|--|
| | | | | Describe the aetiology of diabetes mellitus in children, particularly with reference to traditional classification of the disease. Describe factors which may lead to |
| | | | | both DKA and hypoglycaemia in paediatric patients with DM. Discuss principles of pre-hospital treatment for both DKA and hypoglycaemia. [Refer to HPCSA ALS |
| | | | | protocols] Seizures Name the aetiologies and types more commonly associated with paediatric seizures. |
| | | | | Define febrile seizures and discuss the underlying cause and possible neurological sequelae of this disorder. |
| | | | | Define status epilepticus, explain the possible pathological mechanism underlying this disorder and describe its systemic and |
| 508 | <u> </u> | <u> </u> | RULES ANI | D REGULATIONS 2024 |

| 1 | | | | neurological |
|-----|--|-----|-------------|---|
| | | | | consequences. |
| | | | | Discuss principles of |
| | | | | pre-hospital |
| | | | | treatment of seizures, |
| | | | | particularly |
| | | | | generalised tonic- |
| | | | | clonic seizures and |
| | | | | convulsive status |
| | | | | |
| | | | | epilepticus, including |
| | | | | the administration of |
| | | | | benzodiazepines for |
| | | | | the termination of |
| | | | | seizures. [Refer to |
| | | | | HPCSA ALS |
| | | | | protocols] |
| | | | | Intracranial Infections |
| | | | | Define meningitis and |
| | | | | encephalitis. |
| | | | | Describe the most |
| | | | | common causative |
| | | | | organisms associated |
| | | | | |
| | | | | with bacterial |
| | | | | meningitis in different |
| | | | | paediatric age groups |
| | | | | and how the disease |
| | | | | is transmitted from |
| | | | | person to person. |
| | | | | ■ List the factors |
| | | | | predisposing |
| | | | | paediatric patients to |
| | | | | intracranial infections. |
| | | | | Describe the |
| | | | | pathophysiology of |
| | | | | meningitis, including |
| | | | | |
| | | | | the effects of raised |
| | | | | intracranial pressure |
| | | | | caused by this |
| | | | | condition. |
| | | | | Name the clinical |
| | | | | features of bacterial |
| | | | | meningitis in different |
| | | | | paediatric age |
| | | | | groups. |
| | | | | Discuss principles of |
| | | | | pre-hospital |
| | | | | treatment of |
| | | | | intracranial infections |
| | | | | |
| | | | | , |
| | | | | bacterial meningitis in |
| | | | | particular. |
| | | | | Discuss specific |
| | | | | precautions to be |
| | | | | taken when dealing |
| | | | | with cases of |
| | | | | meningococcal |
| | | | | septicaemia. |
| | | | | Sepsis |
| | | 1 1 | L | |
| 509 | | | RULES AND F | REGULATIONS 2024 |

| Define sepsis and briefly describe the incidence and aetiology of paediatric sepsis. | Г | | |
|--|-------|------|---|
| toxicology (MOA, effects, lethal dose, clinical features of exposure) of: Paracetomol; Aspirin; Organophosp hate pesticides; Discuss principles of pre-hospital treatment, including any antidotes, for each of the agents listed above. [Refer to HPCSA ALS protocols] Trauma & Burns Describe injury patterns and mechanisms of injury specific to different paediatric age groups in relation to mobility, behavioural | | | briefly describe the incidence and aetiology of paediatric sepsis. List markers associated with the identification of sepsis in paediatric patients. Explain the major pathophysiological consequences of sepsis on respiratory and haemodynamic functioning. Discuss principles of pre-hospital supportive treatment of the septic paediatric patient. Toxicology Name the various forms of exposure to toxins and relate these to risk for poisoning in different paediatric age groups. |
| ■ Discuss principles of pre-hospital treatment, including any antidotes, for each of the agents listed above. [Refer to HPCSA ALS protocols] Trauma & Burns ■ Describe injury patterns and mechanisms of injury specific to different paediatric age groups in relation to mobility, behavioural | | | toxicology (MOA, effects, lethal dose, clinical features of exposure) of: o Paracetomol; o Aspirin; o Organophosp |
| | | | Discuss principles of pre-hospital treatment, including any antidotes, for each of the agents listed above. [Refer to HPCSA ALS protocols] Trauma & Burns Describe injury patterns and mechanisms of injury specific to different paediatric age groups in relation to mobility, behavioural |

| | , , | | | | |
|-----|----------|---|---|-----------------|-----------------------------|
| | | | | | anatomical |
| | | | | | characteristics |
| | | | | | (including |
| | | | | | SCIWORA). |
| | | | | • | Explain the |
| | | | | | haemodynamic |
| | | | | | compensatory |
| | | | | | response to blood |
| | | | | | loss in different |
| | | | | | paediatric age groups |
| | | | | | and how this relates |
| | | | | | to the clinical |
| | | | | | identification of |
| | | | | | hypovolaemia. |
| | | | | | Relate prior |
| | | | | - | knowledge of fluid |
| | | | | | • |
| | | | | | |
| | | | | | administration in traumatic |
| | | | | | |
| | | | | | hypovolaemia to |
| | | | | _ | paediatric patients. |
| | | | | • | List the most common |
| | | | | | causes of burns in |
| | | | | | different paediatric |
| | | | | | age groups. |
| | | | | • | Use the paediatric |
| | | | | | 'rule of nines' to |
| | | | | | estimate burned |
| | | | | | surface area in |
| | | | | | paediatric patients. |
| | | | | • | Define a critical burn |
| | | | | | as this relates to BSA, |
| | | | | | depth and burns to |
| | | | | | specific anatomical |
| | | | | | regions in different |
| | | | | | paediatric age |
| | | | | | groups. |
| | | | | - | List clinical features |
| | | | | | associated with |
| | | | | | inhalation burns. |
| | | | | • | Discuss the rationale |
| | | | | | for treatment of |
| | | | | | critical burns in a |
| | | | | | specialist burns unit |
| | | | | | and name the burns |
| | | | | | units in Gauteng. |
| | | | | - | Discuss principles of |
| | | | | | pre-hospital |
| | | | | | treatment for burns in |
| | | | | | paediatric patients |
| | | | | | including care of the |
| | | | | | burn wound, specific |
| | | | | | airway management |
| | | | | | in a case of inhalation |
| | | | | | burns and IV fluid |
| | | | | | administration. |
| | | | | Pa | in Management |
| | | | | • | Discuss the |
| I | <u> </u> | I | I | DUI EO AND DEC: | |
| 511 | | | | RULES AND REGU | LATIONS 2024 |

| | | | | | |
|-----|---|------|----------------|------|-------------------------|
| | | | | | challenges |
| | | | | | associated with |
| | | | | | identifying and |
| | | | | | quantifying pain, |
| | | | | | particularly in |
| | | | | | younger children. |
| | | | | | Name the clinical |
| | | | | • | |
| | | | | | features associated |
| | | | | | with the behavioural |
| | | | | | response to pain in |
| | | | | | different paediatric |
| | | | | | age groups. |
| | | | | • | Discuss the |
| | | | | | management of pain |
| | | | | | in different paediatric |
| | | | | | age groups and |
| | | | | | specifically the |
| | | | | | administration of |
| | | | | | opioid analgesics. |
| | | | | | [Refer to HPCSA ALS |
| | | | | | _ |
| | | | | Ch | protocols]. |
| | | | | | ild Abuse |
| | | | | • | Define the various |
| | | | | | forms of physical and |
| | | | | | sexual child abuse |
| | | | | | and child neglect. |
| | | | | • | Identify behavioural |
| | | | | | and physical signs |
| | | | | | suggestive of these |
| | | | | | types of abuse and/or |
| | | | | | neglect in different |
| | | | | | paediatric age |
| | | | | | groups. |
| | | | | | Identify behavioural |
| | | | | _ | and physical signs |
| | | | | | |
| | | | | | suggestive of these |
| | | | | | types of abuse and/or |
| | | | | | neglect in different |
| | | | | | paediatric age |
| | | | | | groups. |
| | | | | • | Describe behavioural |
| | | | | | characteristics that |
| | | | | | may be encountered |
| | | | | | in the abusive parent |
| | | | | | or caregiver at the |
| | | | | | time of patient contact |
| | | | | | or interaction. |
| | | | | | List the steps to be |
| | | | | | taken in reporting |
| | | | | | suspected cases of |
| | | | | | |
| | | | | | child abuse and/or |
| | | | | _ | neglect. |
| | | | | • | Discuss the pivotal |
| | | | | | role played by |
| | | | | | accurate recording of |
| | | | | | clinical and |
| | | | | | circumstantial data |
| | | | | | for future use, within |
| F40 | • | | חווו בט אאים פ | ECL | |
| 512 | | | RULES AND R | ⊏GUl | _ATIUNS 2024 |

| | | | the context of legal |
|-----|---|------------------|--------------------------------------|
| | | | procedure. |
| | | | HIV/Aids |
| | | | ■ Give an overview of |
| | | | the epidemiology of |
| | | | paediatric HIV/AIDS |
| | | | in South Africa. |
| | | | ■ Describe the most |
| | | | common |
| | | | opportunistic |
| | | | infections associated |
| | | | with AIDS in different |
| | | | paediatric age |
| | | | groups. |
| | | | ■ Briefly discuss the |
| | | | • |
| | | | role played by anti- |
| | | | retroviral drugs in the treatment of |
| | | | |
| | | | paediatric HIV/AIDS |
| | | | and list some of the |
| | | | more common side- |
| | | | effects associated |
| | | | with these drugs. |
| | | | Approach to a Child with |
| | | | a Decreased Level of |
| | | | Consciousness |
| | | | ■ Give a suitable |
| | | | definition for the |
| | | | terms |
| | | | encephalopathy and |
| | | | coma, and |
| | | | differentiate between |
| | | | them. |
| | | | ■ Discuss the |
| | | | assessment of level |
| | | | of consciousness in |
| | | | children, and some of |
| | | | the pitfalls and |
| | | | limitations particularly |
| | | | in younger children. |
| | | | Discuss common |
| | | | causes of decreased |
| | | | level of |
| | | | consciousness in |
| | | | children. |
| | | | Explain general and |
| | | | |
| | | | specific management |
| | | | principles for |
| | | | decreased level of |
| | | | consciousness in |
| | | | children. |
| | | | Drowning and Near- |
| | | | drowning |
| | | | Define the terms |
| | | | drowning, near- |
| | | | drowning and |
| | | | immersion and |
| | | | differentiate clearly |
| E12 | • | DITLES AND E | REGULATIONS 2024 |
| 513 | | KULES AND F | ALGULATIONS 2024 |

| | | | | | | | between them. Discuss common circumstantial causes of drowning and near drowning in children, and relate these to age categories. Describe the pathophysiology of drowning and near drowning. Explain the priorities in treatment or a paediatric drowning/near drowning victim (including safety) and outline the principles of management in the pre-hospital setting. |
|----------------|-------------|------|----|---|----|---|--|
| Pharmacology 1 | PHA01Y 3 | 100% | 0% | 7 | 12 | The Pharmacology module dealt with the principles of pharmacology and how generic groups of medications may interact with and affect human physiology. This subject required the student to once again link their understanding of physiology, pathophysiology and emergency medical care to the prescription and administration of medications. Issues such as the legal requirements surrounding the procurement, use, and storage of medications were also covered. Each of the medications that were commonly prescribed and / or administered by emergency care practitioners were dealt with in significant detail. | Throughout completion of this module, the following learning outcomes were achieved: Define pharmacology. Discuss the development of a drug with regards to patenting, in vitro testing, animal testing, different phases of clinical testing and drug marketing. Describe scope of modern pharmacology including small molecule based therapies, protein based therapies, protein based therapies (biopharmaceuticals), stem cell based therapies Discuss the role of the legislating bodies with regards to pharmacology. Describe different types of drug formulations and the importance of additives in drugs Outline nomenclature used to describe drugs e.g. generic name, trade name, orphan drug, offlabel use etc. Name the various routes of administration of |

| | T | | 1 | | 1 | T | |
|---|--|------------------------------|----------------------|------------------|---------|--|--|
| | | | | | | | drugs, giving the advantages and disadvantages of each. Describe absorption and factors that will influence it with reference to clinically utilised sites of administration Describe the factors influencing the distribution of drugs (e.g. protein binding, lipid solubility, pH, pKa) and their alteration in physiological and pathological disturbance Describe the mechanisms of nonhepatic and hepatic metabolism of drugs. Describe Phase 1 and Phase 2 reactions, hepatic extraction ratio and its significance, first pass effect, enzyme induction and inhibition Explain the mechanism and significance of selected pharmacogenetic disorders such as malignant hyperpyrexia, porphyria Describe the mechanisms of drug clearance and how physiological and pathological disturbance may effect these Discuss steady-state drug levels in the blood and the factors which influence steady-state concentration. |
| Physical Preparedness 1, 2, 3 and 4 | PFP01Y 1 PFP02Y 2 PFP03Y 3 PFP04Y 4 | 100% 100% 100% 100% | 0% 0% 0% 0% | 5 5 5 5 | 0 0 0 0 | Medical Rescue work is by nature physically taxing and places demands on the rescuer, both in terms of strength and endurance. In order for an Emergency Care Practitioners to perform effectively and safely in the | Emergency Care and Medical Rescue work is by nature physically taxing and places demands on the care giver / rescuer, both in terms of strength and endurance. In order for Emergency Care Providers to perform effectively and safely in emergency medical care and rescue environments |

emergency medical and rescue environments they need to possess set minimum levels of physical strength and endurance. Rescue workers who are unfit are unable to perform as they should and this has a negative effect on the rescue operation as well as patient care. For this reason. all students who have registered for the Bachelor Degree in Emergency Medical Care programme at University of Johannesburg, were required to for the register physical preparedness module in each year of study. Students were required to partake in the on and offtraining campus sessions and demonstrate that were they in acceptable physical condition. Students who failed to pass Physical the Preparedness modules were not eligible to register for any of the rescue modules, as modules these remained а prerequisite for registration and participation in the medical rescue components and related events within the B EMC programme.

they need to possess minimum levels of physical strength and endurance. On successful completion of the module, one is able to operate safely and effectively in a physically demanding scenario such as when performing tasks of a physical nature.

| Dhysialasyd | DUVOAV | 4000/ | 00/ | | 40 | Dhysialası | Thurst all action |
|--------------|----------|----------|-----|---|----|--------------------------|---------------------------|
| Physiology 1 | PHY01Y | 100% | 0% | 5 | 12 | Physiology | Throughout completion |
| | 1 | | | | | provides foundational | of this module, the |
| | | | | | | | following learning |
| | | | | | | knowledge for | outcomes were |
| | | | | | | pathology and | achieved: |
| | | | | | | clinically related | Describe the basic |
| | | | | | | subjects. The | functions of living |
| | | | | | | content included an | organisms. |
| | | | | | | introduction to | Define the terms |
| | | | | | | anatomy and | Anatomy and |
| | | | | | | physiology, | Physiology. |
| | | | | | | chemistry for | Describe the specialties |
| | | | | | | anatomy and | of Physiology. |
| | | | | | | physiology, the cell, | Identify the major levels |
| | | | | | | basic histology, the | of organisation in living |
| | | | | | | integumentary | organisms. |
| | | | | | | system, bone and | Identify the organ |
| | | | | | | joints, muscle, the | systems of the human |
| | | | | | | nervous system | body and list the |
| | | | | | | and special senses, | functions of each system. |
| | | | | | | the endocrine | Explain the concept of |
| | | | | | | system, blood and | homeostasis and its |
| | | | | | | the cardiovascular | significance for living |
| | | | | | | system, and the | organisms. |
| | | | | | | respiratory, | Describe the two |
| | | | | | | digestive, urinary | mechanisms involved in |
| | | | | | | and reproductive | homeostatic regulation. |
| | | | | | | systems. This | Describe the three parts |
| | | | | | | module aided in the | of a homeostatic |
| | | | | | | development of a | regulatory mechanism. |
| | | | | | | student competent | Describe how positive |
| | | | | | | in the clinical | and negative feedback |
| | | | | | | knowledge and | • |
| | | | | | | skills required to | mechanisms are |
| | | | | | | provide specialised | involved in homeostatic |
| | | | | | | emergency medical | regulation. |
| | | | | | | care and rescue | Differentiate between |
| | | | | | | services to all | atoms, elements, |
| | | | | | | sectors of the | isotopes, molecules, |
| | | | | | | community. | compounds and |
| | | | | | | | mixtures. |
| | | | | | | | Compare the different |
| | | | | | | | ways in which atoms |
| | | | | | | | combine to form |
| | | | | | | | molecules and |
| | | | | | | | compounds. |
| | | | | | | | Distinguish between the |
| | | | | | | | major types of chemical |
| | | | | | | | reactions in the body. |
| | | | | | | | Describe the crucial role |
| | | | | | | | of enzymes in |
| | | | | | | | metabolism |
| | | | | | | | Distinguish between |
| | | | | | | | organic and inorganic |
| | | | | | | | compounds. |
| | | | | | | | Discuss the unique |
| | | | | | | | chemical properties of |
| | | | | | | | water. |
| | <u> </u> | <u> </u> | l | l | 1 | <u> </u> | |

| | | | | | | | Discuss the importance of pH and the role of buffers in body fluids. Describe the basic structure and functions of carbohydrates, lipids, proteins, nucleic acids and high-energy compounds. List the functions of the cell membrane. Describe the structure of the cell membrane by listing each of its components and their functions. |
|--------------|-------------|------|----|---|----|--|--|
| Physiology 2 | PHY02Y 2 | 100% | 0% | 6 | 12 | Physiology provided fundamental knowledge for pathology and clinically related subjects. The content covered in this module included an elaboration on the basic knowledge obtained in the student's first year and focused on the lymphatic system and immunity; metabolism and energetics; endocrinology; the nervous system and senses; development and inheritance; fluid and pH balance; the respiratory system; blood and the cardiovascular system; muscle and exercise; and thermoregulation | Throughout completion of this module, the following learning outcomes were achieved: THE LYMPHATIC SYSTEM AND IMMUNITY Distinguish between nonspecific and specific defenses. Compare the role of nonspecific and specific defences in immunity. Identify the major components of the lymphoid system. Describe the structure and function of the lymphatic vessels. Explain the processes involved in lymph formation. Explain the force behind lymph circulation. METABOLISM AND ENE Define metabolism. Distinguish between anabolic and catabolic reactions. Explain why cells must synthesise new organic components. |

| | 1 | | |
|-----|---|-------------|---|
| | | | Describe the basic stand in the nethways |
| | | | steps in the pathways in in |
| | | | carbohydrate |
| | | | metabolism. |
| | | | ■ Describe the basic |
| | | | steps in: |
| | | | Glycolysis; |
| | | | ○ The citric acid cycle; |
| | | | ○ The electron transport |
| | | | system |
| | | | Summarise the energy yield of |
| | | | energy yield of glycolysis and cellular |
| | | | respiration |
| | | | ■ Compare glycolysis |
| | | | and gluconeogenesis |
| | | | |
| | | | ENDOCRINE SYSTEM |
| | | | |
| | | | ■ Elaborate on the |
| | | | functions of |
| | | | hormones that |
| | | | regulate |
| | | | carbohydrate, |
| | | | protein and lipid |
| | | | metabolism |
| | | | ■ Name all the |
| | | | hormones that |
| | | | play a role in |
| | | | regulating |
| | | | carbohydrate, |
| | | | protein and lipid metabolism. |
| | | | ■ Explain how |
| | | | each of these |
| | | | hormones |
| | | | influence |
| | | | metabolism. |
| | | | Discuss the |
| | | | effect of hyper |
| | | | and hypo |
| | | | secretion of |
| | | | these hormones on metabolism. |
| | | | |
| | | | Elaborate on the |
| | | | functions of |
| | | | hormones that |
| | | | regulate |
| | | | electrolyte levels |
| | | | in the body. ■ Name all the |
| | | | hormones that |
| - | | | nomionos trat |
| 519 | | RULES AND R | EGULATIONS 2024 |

| play a role in regulating electrolyte balance in the body. Explain ho each of these hormones influence the electrolyte balance. Discuss the effect of hype and hype |
|--|
| electrolyte balance in th body. Explain ho each of thes hormones influence th electrolyte balance. Discuss th effect of hype |
| balance in the body. Explain ho each of these hormones influence the electrolyte balance. Discuss the effect of hypers |
| body. Explain ho each of these hormones influence the electrolyte balance. Discuss the effect of hypers |
| ■ Explain ho each of these hormones influence the electrolyte balance. ■ Discuss the effect of hypers |
| each of these hormones influence the electrolyte balance. Discuss the effect of hyperson in the second part of the second part |
| hormones influence the electrolyte balance. Discuss the effect of hype |
| influence the electrolyte balance. ■ Discuss the effect of hype |
| electrolyte balance. Discuss the effect of hype |
| balance. Discuss the effect of hyperical contents of the cont |
| ■ Discuss the effect of hyper |
| effect of hype |
| |
| and hvo |
| |
| secretion |
| these hormone |
| in the body. |
| ■ Fully explain th |
| hormonal |
| regulation |
| blood pressure. |
| ■ Explain th |
| difference |
| between th |
| hormonal control |
| of short and lon |
| term stres |
| management |
| ■ Distinguish |
| between th |
| hormones |
| responsible for |
| short and long |
| term stres |
| management. |
| ■ Explain th |
| significance |
| short term stres |
| management. |
| ■ Relate th |
| events of lor |
| term stres |
| management of |
| the specif |
| needs of boo |
| during long term |
| stress. |
| NERVOUS SYSTEM |
| ■ Describe th |
| effect |
| chemical factor |
| |

| | | | |
|--|-------------|-------|------------------------------|
| | | | on neural |
| | | _ | activity. |
| | | • | Describethe effects of |
| | | | neurotoxins and |
| | | | local |
| | | | anaesthetics on |
| | | | the nervous |
| | | | system. |
| | | | Describe how |
| | | | changes in the |
| | | | extracellular |
| | | | potassium |
| | | | concentration |
| | | | can alter the |
| | | | electrical activity |
| | | | of neurons. |
| | | _ | |
| | | • | Describe the effect of |
| | | | neurotransmitter |
| | | | s on |
| | | | postsynaptic |
| | | | cells. |
| | | • | Define the major |
| | | | groups of |
| | | | neurotransmitter |
| | | | S. |
| | | • | Describe the |
| | | | effect of |
| | | | neurotransmitter |
| | | | s on the post- |
| | | | synaptic cell. |
| | | • | Discuss synaptic |
| | | | plasticity. |
| | | • | Briefly discuss |
| | | | diseases |
| | | | associated with |
| | | | deficiencies in synaptic |
| | | | transmission. |
| | | | |
| | | - | Briefly discuss |
| | | | the response of |
| | | | neurons to |
| | | | injuries. |
| | | • | Contrast and |
| | | | compare axonal |
| | | | re-growth in the central and |
| | | | peripheral |
| | | | nervous |
| | | | systems. |
| | | | |
| | | THE S | PINAL CORD |
| | | | |

| | 1 | 1 | | | | |
|---|---|---|---|--|-------|------------------------------|
| | | | | | • | Describe, in |
| | | | | | | detail, the |
| | | | | | | sensory and |
| | | | | | | motor pathways. |
| | | | | | • | Trace the |
| | | | | | | neuronal |
| | | | | | | pathway of each |
| | | | | | | of the main |
| | | | | | | somatic sensory |
| | | | | | | pathways and |
| | | | | | | describe the |
| | | | | | | stimuli that are |
| | | | | | | carried by each. |
| | | | | | • | Describe how |
| | | | | | | the central |
| | | | | | | nervous system |
| | | | | | | distinguishes the |
| | | | | | | nature of the |
| | | | | | | arriving stimulus. |
| | | | | | • | Describe the |
| | | | | | | origin, pathway, |
| | | | | | | destination and |
| | | | | | | actions of all the |
| | | | | | | descending |
| | | | | | | tracts. |
| | | | | | THE | ID A IN I |
| | | | | | THE B | |
| | | | | | • | Identify the |
| | | | | | | components and discuss the |
| | | | | | | discuss the functions of the |
| | | | | | | |
| | | | | | | cerebrum, |
| | | | | | | cerebellum, |
| | | | | | | limbic system, |
| | | | | | _ | and brainstem. |
| | | | | | • | Locate the |
| | | | | | | primary, |
| | | | | | | secondary and |
| | | | | | | association |
| | | | | | | areas of the |
| | | | | | | cerebral cortex |
| | | | | | | and discuss their |
| | | | | | | functions in |
| | | | | | | detail. |
| | | | | | • | Explain the |
| | | | | | | concept of |
| | | | | | | hemispheric |
| | | | | | | lateralization. |
| | | | | | • | Describe the |
| | | | | | | functions of the |
| | | | | | | cerebellum and |
| | | | | | | limbic system. |
| | | | | | • | List the |
| | | | | | | components of |
| i | i | 1 | 1 | | | 41 |
| | | | | | | the brainstem |

| | ı | | |
|-----|---|-------------|---|
| | | | and describe the functions of |
| | | | functions of each. |
| | | | |
| | | | INTEGRATIVE |
| | | | FUNCTIONS OF THE |
| | | | NERVOUS SYSTEM Discuss and |
| | | | Discuss and differentiate |
| | | | between |
| | | | different states |
| | | | of arousal. |
| | | | Describe the |
| | | | principle waves |
| | | | in an EEG and |
| | | | name the |
| | | | behavioural state associated |
| , | | | with each wave. |
| | | | Describe the |
| | | | functional |
| | | | significance of |
| | | | the EEG. |
| | | | Explain the role |
| | | | of the brainstem reticular |
| | | | formation in |
| | | | arousal. |
| | | | Distinguish |
| | | | between and |
| | | | compare the |
| | | | different levels of |
| | | | sleep. |
| | | | Describe the |
| | | | classification |
| | | | and |
| | | | physiological basis of both |
| | | | basis of both learning and |
| | | | memory. |
| | | | Distinguish |
| | | | between |
| | | | associative & |
| | | | non-associative |
| | | | learning and |
| | | | between habituation and |
| | | | sensitization. |
| | | | List the different |
| | | | classes of |
| | | | memories and |
| | | | describe |
| | | | memory |
| | | | processing. |
| 523 | | DULEC AND D | EGULATIONS 2024 |

| 1 | T T | T |
|---|---------|---|
| | | Explain the cellular changes that occur during memory consolidation. Discuss the different types of amnesia. |
| | | |
| | | |
| | | |
| | | |
| | | Describe the physiology of emotions and behavioural |
| | | drives. ■ Describe the |
| | | pathways involved in emotional |
| | | processing. Discuss the importance of motivation. |
| | | Discuss the physiology of |
| | | language. Explain the respective roles of Wernicke's area, Broca's area and the motor cortex in |
| | | language. Describe the cerebral processing |
| | | involved in vocalizing a written or spoken |
| | | word. ■ Differentiate |
| | | between the different |
| | | aphasias. ■ Describe the |
| | | effect of different factors on brain chemistry and |
| | | behaviour. |

| Describe chemically-related alterations in brain function. Describe the age-related anatomical and functional changes to the nervous system. PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painfulstimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major categories of pains the pain into the central nervous system. Discuss analgesia system. Discuss the painfulstimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalisms in the analgesic system. Describe the role of endorphins and enkephalisms in the analgesic system. Describe the pate control theory of pain modulation. Describe the physiological mechanisms underlying referred and visceral pain. | , | T | ı | 1 | | | |
|---|---|---|---|---|--|----------|--|
| related alterations in brain function Describe the age-related anatomical and functional changes to the nervous system. PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the major components of the major system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of pain into the contral nervous system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the pase control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | • | Describe |
| related alterations in brain function Describe the age-related anatomical and functional changes to the nervous system. PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the major components of the major system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of pain into the contral nervous system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the pase control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | chemically- |
| alterations in brain function. Describe the age-related anatomical and functional changes to the nervous system. PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Discuss and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role and endorphins and enkephalins in the analgesic system. Describe the plastic control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| brain function. Describe the age-related anatomical and functional changes to the nervous system. PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painlistinuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the pascribe the pascribe the physiological mechanisms underlying referred and | | | | | | | |
| Describe the age-related anatomical and functional changes to the nervous system. PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Describe the functioning of pain receptors and list the types of pain receptors and list the types of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephallins in the analgesic system. Describe the gate control theory of pain modulation. Describe the gate control theory of pain modulation. Describe the physiological moderlying modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| age-related anatomical and functional changes to the nervous system. PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of paintuistimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the paid control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | _ | |
| anatomical and functional changes to the nervous system. PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the central nervous system. Discuss analgesia and describe the nalger components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | • | |
| FAIN PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painfult. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Discuss analgesia and nekephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Distinguish between the two major categories of pain. Tace the dual transmission of pain receptors and list the types of painful situali. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | functional |
| PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | changes to the |
| PAIN Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | nervous system. |
| Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphine and the pain in the new pain the pain in the new pain the pain in the new pain the pain in the analgesic system. Describe the role of endorphine and enkephalins in the analgesic system. Describe the pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | , and the second |
| Discuss the physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphine and the pain in the new pain the pain in the new pain the pain in the new pain the pain in the analgesic system. Describe the role of endorphine and enkephalins in the analgesic system. Describe the pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | PAIN | |
| physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of pain into the central nervous system. Describe the role of pain endorphins and enkephalins in the analgesic system. Describe the role of pain modulation. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | 1 / 1111 | |
| physiological mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of pain into the central nervous system. Describe the role of pain endorphins and enkephalins in the analgesic system. Describe the role of pain modulation. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | Discuss the |
| mechanisms underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| underlying pain. State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| State the functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| functional purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | _ | |
| purpose of pain. Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | • | |
| Distinguish between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of pain modulation. Describe the pate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| between the two major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| major categories of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the pair control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | • | |
| of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | between the two |
| of pain. Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | major categories |
| Describe the functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| functioning of pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | • | |
| pain receptors and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| and list the types of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | • |
| of painful stimuli. Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | - |
| Trace the dual transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the role of endorphins and enkephalins in the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| transmission of pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| pain into the central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | • | |
| central nervous system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| system. Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | • |
| Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| Discuss analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | system. |
| analgesia and describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | • | |
| describe the major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| major components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| components of the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| the analgesic system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| system. Describe the role of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| ■ Describe the role of endorphins and enkephalins in the analgesic system. ■ Describe the gate control theory of pain modulation. ■ Describe the physiological mechanisms underlying referred and | | | | | | | |
| of endorphins and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | _ | System. |
| and enkephalins in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | • | |
| in the analgesic system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | • |
| system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| system. Describe the gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | in the analgesic |
| ■ Describe the gate control theory of pain modulation. ■ Describe the physiological mechanisms underlying referred and | | | | | | | |
| gate control theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | • | |
| theory of pain modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| modulation. Describe the physiological mechanisms underlying referred and | | | | | | | |
| ■ Describe the physiological mechanisms underlying referred and | | | | | | | |
| physiological mechanisms underlying referred and | | | | | | _ | |
| mechanisms underlying referred and | | | | | | • | |
| underlying referred and | | | | | | | |
| referred and | | | | | | | |
| | | | | | | | |
| visceral pain. | | | | | | | referred and |
| · · · · · · · · · · · · · · · · · · · | | | | | | | visceral pain. |
| | | l | • | | <u>. </u> | | • |

| | | | Contrast the |
|--|--|-------|--------------------------------|
| | | _ | characteristics of |
| | | | visceral and |
| | | | parietal |
| | | | pathways for |
| | | | transmission of |
| | | | visceral pain. Identify the |
| | | - | types, causes |
| | | | and |
| | | | characteristics of |
| | | | intracranial and |
| | | | extracranial |
| | | | headaches. |
| | | MOTO | AD CONTROL OF |
| | | THE B | R CONTROL OF |
| | | INE | OKAIN |
| | | • | Discuss the |
| | | | motor control of |
| | | | the cerebral |
| | | | cortex and brainstem. |
| | | | Identify the |
| | | | location and |
| | | | functional |
| | | | significance of |
| | | | the cortical |
| | | | motor areas. Contrast and |
| | | _ | compare the |
| | | | corticospinal and |
| | | | medial and |
| | | | lateral pathways |
| | | | of motor control. |
| | | • | Discuss the functions of the |
| | | | reticular and |
| | | | vestibular nuclei |
| | | | in motor control. |
| | | • | Describe the |
| | | | vestibular |
| | | | system and explain how this |
| | | | system functions |
| | | | to maintain |
| | | | equilibrium. |
| | | • | Discuss the |
| | | | motor control of |
| | | | the cerebellum |
| | | | and basal ganglia. |
| | | | Discuss the |
| | | | major |
| | | | subdivisions and |
| | | | functions of the |
| | | | cerebellum. |
| | | | |

| | | • D | Describe the |
|--|--|---------|-------------------|
| | | а | fferent inputs to |
| | | | ne cerebellum. |
| | | | Discuss the |
| | | | najor cerebellar |
| | | | - |
| | | | athways. |
| | | | dentify the |
| | | n | najor clinical |
| | | S | ymptoms |
| | | а | ssociated with |
| | | С | erebellar |
| | | | bnormalities. |
| | | | Describe the |
| | | | utamen and |
| | | | |
| | | | audate circuits |
| | | | f the basal |
| | | | uclei. |
| | | | Describe the |
| | | ir | ntegration that |
| | | | ccurs in the |
| | | | notor control |
| | | | ystem. |
| | | 3 | , |
| | | ALITONI | OMIC |
| | | AUTON | |
| | | NERVO | JS SYSTEM |
| | | _ | |
| | | | Discuss the |
| | | | tructure and |
| | | | unctions of the |
| | | а | utonomic |
| | | n | ervous system. |
| | | | Compare the |
| | | | tructural |
| | | | rganization of |
| | | | |
| | | | ne sympathetic |
| | | | ind |
| | | | arasympathetic |
| | | | ervous |
| | | | ystems. |
| | | | ist the |
| | | р | hysiological |
| | | | ffects of both |
| | | | ympathetic and |
| | | | arasympathetic |
| | | | timulation. |
| | | | |
| | | | Describe the |
| | | | nechanisms of |
| | | | eurotransmitter |
| | | re | elease and |
| | | re | emoval in the |
| | | | utonomic |
| | | | ervous system. |
| | | | Describe the |
| | | | |
| | | | ocations and |
| | | | ntracellular |
| | | | ffects of both |
| | | a | drenergic and |
| | | | |

| | 1 1 | |
|-------------|-----|--|
| | | cholinergic receptors. Describe the importance of autonomic tone and dual innervation. |
| | | SPECIAL SENSES |
| | | Describe the physiological processing involved in vision and hearing. Explain the following: photoreception, recovery from |
| | | stimulation, o night blindness, o colour vision o colour blindness o light and dark adaptation. Describe the visual pathway and the functions of the various cells found along this pathway. Describe how pitch and loudness are coded for respectively. |
| | | DEVELOPMENT AND INHERITANCE |
| | | Explain the relationship between differentiation and development. Briefly describe the various stages of development: Fertilisation (conception); |
| | | Prenatal development; |

| | | | |
|-----|------|-------------|--|
| | | | Embryological development; |
| | | | Foetal development; |
| | | | Postnatal development; and |
| | | | Maturity |
| | | | Describe the |
| | | | process of fertilisation. Distinguish between the roles of the sperm and oocyte during fertilisation. Explain, in detail, oocyte activation. Describe fertilisation and the preparation for cleavage. Discuss prenatal development. List the three stages of prenatal development. Describe the events of each of the three stages of prenatal development. Explain the formation of extraembryonic membranes. Describe the four general processes that occur during the first trimester: Cleavage; |
| | | | o Implantation; |
| | | | Placentation;and |
| | | | Embryogenesis |
| | | | Explain how the three germ layers participate in the formation of extra- embryonic membranes. |
| 529 | | RULES AND R | EGULATIONS 2024 |

| | | | | • | Describe the role |
|-----|--------------|---|--------------|----------|--------------------------------|
| | | | | | of the placenta as |
| | | | | | an endocrine |
| | | | | | organ. |
| | | | | • | Describe the |
| | | | | | interplay between |
| | | | | | the mother and |
| | | | | | the developing |
| | | | | _ | foetus. |
| | | | | • | Describe the |
| | | | | | interplay between the maternal |
| | | | | | |
| | | | | | organ systems and the |
| | | | | | developing |
| | | | | | foetus. |
| | | | | | Discuss the |
| | | | | | structural and |
| | | | | | functional |
| | | | | | changes in the |
| | | | | | uterus during |
| | | | | | gestation. |
| | | | | • | Discuss the |
| | | | | | events of labour |
| | | | | | and delivery. |
| | | | | • | Explain the |
| | | | | | hormonal |
| | | | | | changes that play |
| | | | | | a role during the |
| | | | | | onset of labour. |
| | | | | • | Describe the role |
| | | | | | of mechanical |
| | | | | | changes in the |
| | | | | | initiation of labour. |
| | | | | • | Briefly describe |
| | | | | | the stages of |
| | | | | | labour. |
| | | | | • | Identify the |
| | | | | | features and |
| | | | | | physiological |
| | | | | | changes of the |
| | | | | | postnatal stages of life. |
| | | | | | Briefly discuss the |
| | | | | - | following stages: |
| | | | | 0 | The neonatal |
| | | | | O | period; |
| | | | | | poriou, |
| | | | | 0 | Infancy and |
| | | | | | childhood; |
| | | | | | ۱ مامام معناد ا |
| | | | | 0 | |
| | | | | | maturity; and |
| | | | | 0 | Senescence |
| | | | | J | |
| | | | | • | Describe |
| | | | | | gender/sex |
| | | | | | determination and |
| 530 | <u> </u> | · | RULES AND RI | EGULATIO | ONS 2024 |
| 000 | | | | | |

| T | | |
|-------|------|---------------------------------------|
| | | relate the basic |
| | | principles of |
| | | genetics to the |
| | | inheritance of |
| | | human traits. |
| | | Explain the role of |
| | | the Y |
| | | chromosome in |
| | | ensuring that the |
| | | bipotential |
| | | embryo develops |
| | | into a male. |
| | | Explain |
| | | inheritance using |
| | | punnet squares |
| | | and pedigrees. |
| | | Explain sources |
| | | of individual |
| | | variation and sex- |
| | | linked |
| | | inheritance. |
| | | mineritarice. |
| | | |
| | | FLUID, ELECTROLYTE |
| | | AND ACID-BASE |
| | | BALANCE |
| | | BALANCE |
| | | ■ Explain what is |
| | | meant by the |
| | | terms fluid, |
| | | electrolyte, and |
| | | acid-base |
| | | balance. |
| | | ■ Explain what is |
| | | meant by the |
| | | terms fluid |
| | | balance; |
| | | electrolyte |
| | | balance and acid- |
| | | base balance. |
| | | ■ Compare the |
| | | composition of |
| | | intracellular (ICF) |
| | | and extracellular |
| | | |
| | | fluid (ECF). |
| | | Distinguish |
| | | between ICF and |
| | | ECF fluid |
| | | compartments. |
| | | ■ Explain the basic |
| | | concepts involved |
| | | in the regulation |
| | | of fluids and |
| | | electrolytes. |
| | | Identify the |
| | | hormones that |
| | | play a role in fluid |
| · | | |

| | | and electrolyte regulation. Describe the movement of fluid between different compartments in the body. Describe the movement of fluid: within the ECF; between ECF and ICF; and between ECF and the environment Discuss the mechanisms by which electrolyte concentrations are regulated. Discuss the mechanisms by which: sodium; potassium; calcium; and |
|-----|--|--|
| 532 | | balance. Understand various forms of dehydration. Explain the buffering systems that balance the pH of the intraand extracellular fluids. Explain the importance of pH control. Distinguish between different types of acids in the body. Distinguish between the functioning and |

| | | | 1 | | |
|-----|---|---|---------------|---------|--|
| | | | | | roles of the three major buffer systems in the body: protein buffer system; carbonic acidbicarbonate buffer system; and phosphate buffer system. Describe the respiratory and renal compensatory mechanisms involved in the maintenance of acid-base balance. Identify the most frequent disturbances of acid-base balance. Explain how the body responds when the pH of body fluids varies outside normal limits: orespiratory acidosis respiratory acidosis metabolic acidosis metabolic acidosis metabolic acidosis metabolic acidosis be able to diagnose an acid-base disorder when given values. Describe the effects of aging on fluid, electrolyte and acid-base balance. Describe changes in total body water; renal capacity; mineral turnover and compensatory |
| 533 | 1 | 1 | RULES AND | REGULAT | TIONS 2024 |

| | | | | |
|--|--|------|--------------|--|
| | | | | mechanisms that accompany aging. |
| | | | RESP SYST | IRATORY EM |
| | | | • | List the various indicators of respiratory performance and discuss their relevance. |
| | | | • | Define, calculate and interpret the following indicators of respiratory performance: |
| | | | 0 | respiratory rate |
| | | | 0 | lung volumes e.g. tidal volume, expiratory reserve volume, residual volume, inspiratory reserve volume |
| | | | 0 | lung capacities e.g. inspiratory capacity, functional capacity, vital capacity and total lung capacity |
| | | | 0 | dead space volume |
| | | | 0 | minute ventilation |
| | | | 0 | alveolar ventilation |
| | | | 0 | FEV1/FVC ratio |
| | | | 0 | peak expiratory flow rate |
| | | | • | Describe the transport of respiratory gases by the blood. |
| | | | | |

| manner in which oxygen is transported by the blood. Draw a normal oxygen-haemoglobin (O2 Hb) saturation curve and explain its relevance. Describe how and why variations of the following factors alter the position of the O2 Hb saturation curve: pH; temperature; 2,3 biphosphoglycerate levels; and exercise Compare the O2 Hb saturation curve of an adult to that of a foetuse. Describe the manner in which carbon dioxide is transported by the blood. Include an explanation of the terms, chloridd shift and Haldan effect in you describtion. Describe the manner in which carbon monoxide is transported in the blood and the effect that it has on blood oxygey transport. | | | | | | |
|--|-----|---------------------------------------|-----|-------|-----------------|--|
| oxygen-haemoglobin (O2 Hb) saturation curve and explain its relevance. • Describe how and why variations of the following factors alter the position of the O2 Hb saturation curve: • pH; • temperature; • 2,3 • biphosphoglycerate levels; and • exercise • Compare the O2 Hb saturation curve of an addu to that of a foetus • Describe the manner in which carbon dioxide is transported by the blood. Include an explanation of the terms, chlorids shift and Haldame effect in you description. • Describe the manner in which carbon monoxid is transported in the blood and the effect that it has on blood oxyget transport. | | | | | | manner in which oxygen is transported by the |
| why variations of the following factors alter the position of the O2 Hb saturation curve: pH; temperature; 2,3 biphosphoglycerate levels; and exercise Compare the O2 Hb saturation curve of an adult to that of a foetus Describe the manner in which carbon dioxide is transported by the blood. Include an explanation of the terms, chloridd shift and Haldaneffect in you description. Describe the manner in which carbon monoxide is transported in the blood and the effect that it has on blood oxyger transport. | | | | | • | oxygen- haemoglobin (O2- Hb) saturation curve and explain |
| temperature; 2,3 biphosphoglycera te levels; and exercise Compare the O2 Hb saturation curve of an adult to that of a foetus Describe the manner in which carbon dioxide is transported by the blood. Include an explanation of the terms, chlorids shift and Haldane effect in you description. Describe the manner in which carbon monoxide is transported in the blood and the effect that it has on blood oxyget transport. | | | | | • | factors alter the position of the O2-Hb saturation |
| o 2,3 biphosphoglycera te levels; and o exercise Compare the O2 Hb saturation curve of an adul to that of a foetus Describe the manner in which carbon dioxide is transported by the blood. Include an explanation of the terms, chloride shift and Haldane effect in you description. Describe the manner in which carbon monoxide is transported in the blood and the effect that it has on blood oxyger transport. | | | | | | |
| biphosphoglycera te levels; and o exercise • Compare the O2 Hb saturation curve of an adult to that of a foetus • Describe the manner in which carbon dioxide is transported by the blood. Include at explanation of the terms, chloride shift and Haldane effect in you description. • Describe the manner in which carbon monoxide is transported in the blood and the effect that it has on blood oxyget transport. | | | | | | |
| Compare the O2 Hb saturation curve of an adult to that of a foetus Describe the manner in which carbon dioxide is transported by the blood. Include an explanation of the terms, chloride shift and Haldane effect in you description. Describe the manner in which carbon monoxide is transported in the blood and the effect that it has on blood oxyget transport. | | | | | | biphosphoglycera |
| Hb saturation curve of an adult to that of a foetus Describe the manner in which carbon dioxide is transported by the blood. Include at explanation of the terms, chloride shift and Haldane effect in you description. Describe the manner in which carbon monoxide is transported in the blood and the effect that it has on blood oxyger transport. | | | | | 0 | exercise |
| ■ Describe the manner in which carbon monoxide is transported in the blood and the effect that it has on blood oxygen transport. | | | | | | curve of an adult to that of a foetus. Describe the manner in which carbon dioxide is transported by the blood. Include an explanation of the terms, chloride shift and Haldane effect in your |
| control or respiration. • Describe the | | | | | • | Describe the manner in which carbon monoxide is transported in the blood and the effect that it has on blood oxygen transport. Discuss the control of respiration. |
| 535 RULES AND REGULATIONS 2024 | 505 | · · · · · · · · · · · · · · · · · · · | , , | DI II | ES AND DECLUATI | ONS 2024 |

| | <u> </u> | T T | | | | 41 |
|----------|----------|-----|---|----------|------------|---------------------------------------|
| | | | | | | control of bronchiolar |
| | | | | | | musculature. |
| | | | | | • | Name the four |
| | | | | | | respiratory |
| | | | | | | centres, describe their locations and |
| | | | | | | discuss the effect |
| | | | | | | that each one has |
| | | | | | | on the ventilation |
| | | | | | | rate and pattern. Define the |
| | | | | | - | following terms: |
| | | | | | 0 | Hypercapnia/hyp |
| | | | | | | ocapnia; |
| | | | | | 0 | Hypoxia; and |
| | | | | | 0 | Hyperventilation/ |
| | | | | | | hypoventilation |
| | | | | | 0 | Describe how the |
| | | | | | | following factors modify ventilation: |
| | | | | | | - |
| | | | | | 0 | Chemoreceptor reflex; |
| | | | | | 0 | Baroreceptor reflex; |
| | | | | | 0 | Hering-Breuer reflex; |
| | | | | | 0 | Protective reflexes; |
| | | | | | 0 | Voluntary control; |
| | | | | | | and |
| | | | | | 0 | Exercise |
| | | | | | <u>-</u> = | |
| | | | | | | GRATED IOLOGY |
| | | | | | гпіЗ | |
| | | | | | • | Discuss the effect |
| | | | | | | of environmental |
| | | | | | | changes such as high altitude and |
| | | | | | | deep sea diving |
| | | | | | | on respiratory |
| | | | | | _ | function. |
| | | | | | • | Describe the effect of (a) high |
| | | | | | | altitude OR (b) |
| | | | | | | deep sea diving |
| | | | | | | on the body by |
| | | | | | | answering the |
| <u> </u> | <u>ı</u> | 1 1 | 1 | <u> </u> | | |

| each environmental condition: Describe th changes i ambient pressur that the body is exposed to i each environmental condition. Explain how the specific environmental condition affect the ambien alveolar, an blood carbo dioxide an oxygen levels. Describe th effects that thes |
|--|
| that the body is exposed to it each environmental condition. Explain how the specific environmental condition affect the ambien alveolar, an blood carbo dioxide an oxygen levels. |
| specific environmental condition affect the ambien alveolar, an blood carbo dioxide an oxygen levels. Describe th |
| |
| blood gas levels have on th respiratory function. |
| o Identify other physiological effects that each environmental condition may have on the body |
| BLOOD |
| ■ Discuss the life cycle cycle erythrocytes and the pathophysiology of red blood cells |
| ■ Describe th recycling of age or damaged re blood cells. |
| ■ Define polycythaemia, and discuss the |

| | | | | | | effect that it has on the body. |
|-----|---|----------|-----|--------|---------------|--|
| | | | | | • | Define anaemia, and describe the effect that it has on the body. |
| | | | | | - | List the different types of anaemia and the cause of each one. |
| | | | | | • | Discuss the pathophysiology of white blood cells/leukocytes. |
| | | | | | • | Define the terms leukopenia and leukocytosis and discuss the effect of each condition on the body. |
| | | | | | • | Discuss the pathophysiology of blood platelets/thrombo cytes. |
| | | | | | - | Define the terms thrombocytopenia and thrombocytosis and list possible causes of each condition. |
| | | | | | - | Discuss cross reactions during blood typing and erythroblastosis fetalis |
| | | | | | • | Describe the effect that blood group incompatibilities have on the body. |
| | | | | | • | Discuss the condition, erythroblastosis fetalis, by describing how it develops, the |
| E20 | ı | <u> </u> | l l | DIII E | S AND REGULAT | ONE 2024 |

| | | | | effects that this |
|---|--|---|-----|-----------------------------------|
| | | | | condition has on |
| | | | | the foetus and |
| | | | | new-born, and possible |
| | | | | therapeutic |
| | | | | interventions. |
| | | | • | Describe the |
| | | | | process of haemostasis and |
| | | | | its associated |
| | | | | pathologies. |
| | | | | Understand the |
| | | | | intrinsic and |
| | | | | extrinsic pathways and |
| | | | | their associated |
| | | | | factors. |
| | | | • | List the factors |
| | | | | that exercise negative and |
| | | | | positive feedback |
| | | | | control over |
| | | | | coagulation and describe how they |
| | | | | prevent |
| | | | | coagulation in |
| | | | | normal, intact blood vessels. |
| | | | | Describe the |
| | | | | cause, specific |
| | | | | effects on |
| | | | | haemostasis and therapeutic |
| | | | | interventions for |
| | | | | each of the |
| | | | | following conditions: |
| | | | 0 | Vitamin K |
| | | | · · | deficiency |
| | | | 0 | Thrombocytopeni |
| | | | | а |
| | | | 0 | Haemophilia |
| | | | 0 | Von Willebrands Disease |
| | | | | |
| | | | | |
| | | | | |
| • | | - | | |

| | | | CARD SYSTI | IOVASCULAR EM |
|--|--|--|---------------|---|
| | | | - | Describe the cardio-dynamics and discuss how they are regulated. |
| | | | • | Define the terms: cardiac output, stroke volume and heart rate, and indicate how these factors are related. |
| | | | • | Explain how the end-diastolic and end-systolic volumes affect the stroke volume, and discuss how each is regulated. |
| | | | • | Describe the Frank-Starling mechanism in the heart. |
| | | | • | Discuss how the heart rate is regulated by autonomic innervation and hormones. |
| | | | • | Discuss the various mechanisms that regulate the activity of the cardiovascular system |
| | | | • | List the three mechanisms by which the cardiovascular function is regulated. |
| | | | • | Explain how autoregulation maintains blood |

| | 1 | | | ı | |
|--|---|-------------|--|---|--|
| | | | | | flow within specific tissues. |
| | | | | • | Indicate the location of the cardiovascular control centre and describe its various subdivisions and their respective functions. |
| | | | | • | Explain how vasomotor tone is maintained. |
| | | | | • | Explain the baroreceptor reflex and describe how it affects cardiovascular function. |
| | | | | • | Explain the chemoreceptor reflex and describe how it affects cardiovascular function. |
| | | | | • | List the hormones that regulate cardiovascular function and describe the specific effects of each one. |
| | | | | • | Describe the role of the cardiovascular system in hypertension |
| | | | | • | Relate each factor that alters blood pressure during hypertension to the changes that occur in the cardiovascular system. |

| | T T | | | |
|-----|-----|--|-------------|---|
| | | | | Briefly describe the common |
| | | | | therapeutic interventions |
| | | | | available for this |
| | | | | disease and their mechanisms of |
| | | | | action. |
| | | | | ■ Discuss the |
| | | | | body's response |
| | | | | to haemorrhaging |
| | | | | Define circulatory |
| | | | | shock and list the |
| | | | | causes thereof. |
| | | | | ■ Describe the |
| | | | | three phases of haemorrhagic |
| | | | | shock and the |
| | | | | physiological |
| | | | | mechanisms that characterize each |
| | | | | phase. |
| | | | | Account for the |
| | | | | main signs and |
| | | | | symptoms of haemorrhagic |
| | | | | shock. |
| | | | | MUSCULAR SYSTEM |
| | | | | ■ Describe the |
| | | | | mechanics of muscle |
| | | | | contraction and |
| | | | | relaxation. |
| | | | | Discuss and compare the |
| | | | | following: muscle |
| | | | | twitch, treppe, wave summation, |
| | | | | tetanus |
| | | | | (incomplete & complete), |
| | | | | isotonic and |
| | | | | isometric contractions and |
| | | | | contractions and muscle |
| | | | | relaxation. |
| | | | | Discuss the energetics of |
| | | | | muscular activity. |
| | | | | ■ Describe the |
| | | | | mechanisms by |
| 542 | | | RULES AND R | EGULATIONS 2024 |

| | | which muscle |
|--|--|--|
| | | fibres obtain energy. |
| | | Distinguish between energy production in a resting muscle, a moderately active muscle and a muscle at peak levels of activity. |
| | | Explain muscle fatigue and recovery from fatigue. |
| | | Describe the role of different hormones on muscle activity. |
| | | Discuss muscular performance. |
| | | Relate the types of muscle fibres to muscular performance. |
| | | Distinguish between aerobic and anaerobic endurance and explain their implications for muscular performance. |
| | | Describe the effects of exercise and ageing on the muscular system. |
| | | Describe specific clinical terms associated with the muscular system. |
| | | Understand polio, botulism, tetanus, myasthenia gravis and Duchenne's |

| muscular dystrophy. EXERCISE Describe the differences between male and female athletes. Describe the gender differences that affect athlete performance. Describe the ventilatory responses to exercise. Explain how oxygen consumption changes during and after exercise. Define VO2max and explain its relevance to an athlete. Describe how respiration changes before, during and after exercise. Describe the cardiovascular response to exercise. Describe the cardiovascular response to exercise. Explain how blood pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during exercise. | | | manua and a s |
|---|--|--|--|
| EXERCISE Describe the differences between male and female athletes. Describe the gender differences that affect athletic performance. Describe the ventilatory responses to exercise. Explain how oxygen consumption changes during and after exercise. Define VO2max and explain its relevance to an athlete. Describe how respiration changes before, during and after exercise. Describe the cardiovascular response to exercise. Describe the cardiovascular response to exercise. Explain how blood pressure. Explain how blood pressure to exercise. Describe the cardiovascular response to exercise. Describe the cardiovascular response to exercise. Describe the cardiovascular response to exercise. Describe how and why blood is redistributed throughout the body during | | | |
| Describe the differences between male and female athletes. Describe the gender differences that affect athletic performance. Describe the ventilatory responses to exercise. Explain how oxygen consumption changes during and after exercise. Define VO2max and explain its relevance to an athlete. Describe how respiration changes before during and after exercise. Describe how respiration changes before. Describe the cardiovascular response to exercise. Describe the cardiovascular response to exercise. Explain how blood pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during | | | |
| athletes. Describe the gender differences that affect athletic performance. Describe the ventilatory responses to exercise. Explain how oxygen consumption changes during and after exercise. Define VO2max and explain its relevance to an athlete. Describe how respiration changes before, during and after exercise. Describe the cardiovascular response to exercise. Describe the cardiovascular response to exercise. Explain how blood pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during | | | Describe the differences |
| differences that affect athletic performance. Describe the ventilatory responses to exercise. Explain how oxygen consumption changes during and after exercise. Define VO2max and explain its relevance to an athlete. Describe how respiration changes before, during and after exercise. Describe the cardiovascular response to exercise. Explain how blood pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during | | | athletes. ■ Describe the |
| Describe the ventilatory responses to exercise. Explain how oxygen consumption changes during and after exercise. Define VO2max and explain its relevance to an athlete. Describe how respiration changes before, during and after exercise. Describe the cardiovascular response to exercise. Explain how blood pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during | | | differences that affect athletic |
| exercise. Explain how oxygen consumption changes during and after exercise. Define VO2max and explain its relevance to an athlete. Describe how respiration changes before, during and after exercise. Describe the cardiovascular response to exercise. Explain how blood pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during | | | Describe the ventilatory |
| oxygen consumption changes during and after exercise. Define VO2max and explain its relevance to an athlete. Describe how respiration changes before, during and after exercise. Describe the cardiovascular response to exercise. Explain how blood pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during | | | |
| exercise. Define VO2max and explain its relevance to an athlete. Describe how respiration changes before, during and after exercise. Describe the cardiovascular response to exercise. Explain how blood pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during | | | oxygen consumption changes during |
| and explain its relevance to an athlete. Describe how respiration changes before, during and after exercise. Describe the cardiovascular response to exercise. Explain how blood pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during | | | |
| respiration changes before, during and after exercise. Describe the cardiovascular response to exercise. Explain how blood pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during | | | and explain its relevance to an |
| cardiovascular response to exercise. Explain how blood pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during | | | respiration changes before, during and after |
| pressure is affected by exercise. Describe how and why blood is redistributed throughout the body during | | | cardiovascular response to |
| why blood is redistributed throughout the body during | | | pressure is affected by |
| | | | why blood is redistributed throughout the body during |
| Explain the long term effects of exercise on the | | | term effects of |

| | Γ | | | pardiovaccular |
|-----|---|-------------|----------------|--|
| | | | | cardiovascular system. |
| | | | | Describe the importance of exercise and its contribution to health. |
| | | | | Describe the various benefits of exercise on health. |
| | | | | THERMOREGULATION |
| | | | | ■ Describe thermoregulation and the mechanisms of heat transfer. ■ Explain the importance of maintaining a relatively constant body temperature. ■ Discuss what is meant by "normal" body temperature and the factors that are responsible for individual variations. ■ Describe the mechanisms whereby heat is gained or lost from the body (i.e. conduction, convection, radiation and evaporation), and the primary sites of the body where these occur. ■ Describe the |
| | | | | thermoregulatory reflexes of the |
| | | | | body. Identify the components of a thermoregulatory reflex. Identify the names and locations of the |
| 545 | 1 | | DI I SE AND DI | locations of the |

| | | | | | | | body's thermoreceptors and the stimuli to which each responds. Describe the role of the hypothalamus in temperature regulation. Describe the effectors of heat gain and loss. Discuss abnormalities of thermoregulation. Define the terms, hyperthermia and hypothermia. Explain the cause and effect of each of the following on normal body temperature: Fever Heat exhaustion Heat stroke Hot flashes Malignant hyperthermia Hypothermia |
|-----------------------------|-------------|------|----|---|---|--|---|
| Primary Health Care 2 | PHC01B 2 | 100% | 0% | 6 | 6 | The purpose of Primary Health Care (PHC) was to introduce the future Emergency Care Practitioner (ECP) to the concept of holistic PHC as enshrined within the National Department of Health (NDoH) framework. Primary Health Care is concerned with the health of individuals as well as the greater community amongst which these practitioners | Throughout completion of this module, the following learning outcomes were achieved Primary healthcare for all: Discuss the historical background and foundation of Primary Health Care Discuss the Alma-Ata Declaration. Define the term Primary Health Care using the comprehensive approach. |

| | | may reside. Primary Health Care addressed all aspects of health within the community. These aspects included healthcare education, health promotion, access to healthcare as well as related issues such as community welfare, psychological wellbeing as well as the prevention of disease. | Briefly discuss the principles of Primary Health Care Define the term Comprehensive Health Care Understanding Health and illness: Differentiate between Health and Well-Being Define the role of the World Health Organization (WHO) in Primary Health Care Differentiate between Illness and Disease Define the Dimensions of Health Discuss the various Models of Health Discuss the various Models of Health Provide examples of different health challenges during the lifecycle Prevention of ill-health: Describe the Four Stages of Disease Discuss the approaches to Disease Prevention Discuss how an individual/organisation could screen for the Human Immunodefiency Virus (HIV) Discuss the Ottawa Charter with regards to disease prevention Provide examples of recent trends in health promotion Communicable and non-communicable diseases: |
|-----|--|--|--|
| 547 | | RULES AND R | communicable diseases: EGULATIONS 2024 |

| | <u> </u> | | | Provide a description of |
|---|----------|-------------|----------|---|
| | | | | Provide a description of the term "communicable disease" |
| | | | | Provide a description of the term "non-communicable disease" |
| | | | | Describe what changes in communicable and non-communicable diseases have occurred in Southern Africa. |
| | | | | Discuss the relationship between communicable disease and immunity |
| | | | | Discuss common occurring communicable diseases in Southern Africa |
| | | | | Discuss common occurring non-communicable diseases in Southern Africa |
| | | | | Planning and health information systems: |
| | | | | Provide a reason as to the importance of planning in healthcare. |
| | | | | Describe the planning cycle |
| | | | | Define the term "Health Information System" |
| | | | | Define the different levels within the Health Information System |
| | | | | Describe the different stages in the information cycle |
| | | | | Elaborate on the term "indicators" |
| | | | | Health, human rights and ethics: |
| | | | | Provide a brief background on bioethics |
| L | | <u> </u> | <u> </u> | |

| | | | | | | | Give a brief description on various types of ethical theories Define the term "human right". Explain how healthcare plays an important role in rights Give a brief description of health rights in South Africa Briefly comment on specific human rights and ethical dilemmas in Primary Health Care Provide comment on dilemmas in health promotion The future of primary health care Explain the role of power and politics in society Define the concept of "Selective Primary Health Care" Discuss the importance of everybody striving for the ideals of Primary Health Care Describe current responses to the challenges of "Health for All" |
|------------------------|-------------|------|----|---|----|---|--|
| Research Elective 4 | REP01Y 4 | 100% | 0% | 8 | 30 | The purpose of this subject was to apply the basic skills and insights of Research Methodology in completing a research project under the guidance of a supervisor. The application of previous learning, the learning of new skills through conducting their | Throughout completion of this module, the following learning outcomes were achieved: Apply the basic skills and insights of the Research Methodology module in completing a research project. Demonstrate the application of previous learning, as well as the learning of new skills |

| | | | | | | own research and the ability to work independently constitute the broad learning outcomes for this subject. | through conducting your own research. Demonstrate the ability to work independently in conducting research. |
|--------------------------|-------------|------|----|---|----|--|---|
| Research Methodology EMC | RMT01Y 3 | 100% | 0% | 7 | 12 | The purpose of this subject was to provide the student with opportunities and a learning structure that played a facilitatory role in the achievement of two broad outcomes: • To discuss, explain, critically analyse and apply the most important concepts underpinnin g the research process and the steps of this process; • To demonstrat e limited application of various basic skills that will be necessary in conducting a research project of limited scope. | Throughout completion of this module, the following learning outcomes were achieved: Define the term "research". Discuss the "three worlds" framework and explain how this characterises the nature of research. Refer to and explain eight characteristics of research in support of your definition. Give some examples of what research is not and, in each case, explain why not. Critically discuss the validity of publication (or dissemination) of results as a ninth essential characteristic of research. Explain what is meant by the term "peer-review" and why it plays such a crucial role in defining activities classed as "research". Define the term "worldview" as used within the context of this learning unit. Describe the characteristics of the post-positivist worldview and explain the |

| | 1 | | | T | I |
|---|---|---|-----|---|---|
| | | | | | relationship |
| | | | | | between this |
| | | | | | worldview and the |
| | | | | | quantitative |
| | | | | | research |
| | | | | | paradigm. |
| | | | | | Define inductive |
| | | | | | |
| | | | | | |
| | | | | | reasoning and |
| | | | | | contrast these two |
| | | | | | types of logical |
| | | | | | reasoning by |
| | | | | | referring to |
| | | | | | examples of each. |
| | | | | | Relate inductive |
| | | | | | and deductive |
| | | | | | |
| | | | | | reasoning to |
| | | | | | quantitative |
| | | | | | research and |
| | | | | | describe how the |
| | | | | | nature of |
| | | | | | quantitative |
| | | | | | research can |
| | | | | | utilise either type |
| | | | | | of reasoning. |
| | | | | | Describe what the |
| | | | | | scientific method |
| | | | | | is and what it |
| | | | | | |
| | | | | | encompasses. |
| | | | | | Briefly explain the |
| | | | | | historical |
| | | | | | background to the |
| | | | | | evolution of the |
| | | | | | scientific method |
| | | | | | as we know it |
| | | | | | today, as a way of |
| | | | | | - |
| | | | | | |
| | | | | | |
| | | | | | techniques has |
| | | | | | become so |
| | | | | | important. |
| | | | | | Name each |
| | | | | | element of the |
| | | | | | scientific method |
| | | | | | and explain what |
| | | | | | it is, how it is |
| | | | | | implemented and |
| | | | | | why it is crucial to |
| | | | | | |
| | | | | | this body of |
| | | | | | techniques. |
| | | | | | Define |
| | | | | | quantitative |
| | | | | | research by |
| | | | | | referring to the |
| | | | | | central features of |
| | | | | | post-positivism |
| L | 1 | 1 | - 1 | 1 | 1 1 |
| | | | | | |

| and the scientific method. Critically discuss limitations of the post-positivist worldwiew and the scientific method as defined above and explain how these limitations gave rise to what is currently known as qualitative research. Describe the characteristics of the social constructivist worldwiew and explain the relationship between this worldwiew and the qualitative research paradigm. Define qualitative research paradigm. Define qualitative research social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research and explain how and when this type of research and explain how and when this type of research esign and "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Case-series studies | T | | | | <u>, </u> |
|--|--|---|-----|----------|--|
| Critically discuss limitations of the post-positivist worldview and the scientific method as defined above and explain how these limitations gave rise to what is currently known as qualitative research. Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs Observational: Case- Series | | | | | and the scientific |
| imitations of the post-positivist worldview and the scientific method as defined above and explain how these limitations gave rise to what is currently known as qualitative research. • Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. • Define qualitative research by referring to the central features of social constructivism. • Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. • Define and contrast the terms "research design" and "research design" and "research method" and give examples of each. • Describe the essential characteristics of the following research tesign: > Quantitative Designs — Observational: • Case-series | | | | | |
| post-positivist worldview and the scientific method as defined above and explain how these limitations gave rise to what is currently known as qualitative research. • Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. • Define qualitative research by referring to the central features of social constructivism. • Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. • Define and contrast the terms "research design" and "research method" and give examples of each. • Describe the essential characteristics of the following research designs: > Quantitative Designs — Observational: • Case-series | | | | | |
| worldview and the scientific method as defined above and explain how these limitations gave rise to what is currently known as qualitative research. Describe the characteristics of the social constructivist worldview and explain the relationship between in this worldview and the qualitative research paradigm. Define qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research design; Quantitative Describe — Observational: Observational: Case-series | | | | | |
| scientific method as defined above and explain how these limitations gave rise to what is currently known as qualitative research. Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research paradigm. Define qualitative research by referring to the central feature of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: o Case- series | | | | | |
| as defined above and explain how these limitations gave rise to what is currently known as qualitative research. • Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. • Define qualitative research by referring to the central features of social constructivism. • Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. • Define and contrast the terms "research design" and "research method's and give examples of each. • Describe the essential characteristics of the following research designs: > Quantitative Designs — Observational: • Case-series | | | | | |
| and explain how these limitations gave rise to what is currently known as qualitative research. Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Describes: Quantitative Describes: Quantitative Describes: Q | | | | | scientific method |
| these limitations gave rise to what is currently known as qualitative research. Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case— series | | | | | as defined above |
| these limitations gave rise to what is currently known as qualitative research. Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case— series | | | | | and explain how |
| gave rise to what is currently known as qualitative research. Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research methods research design" and "research methods research design" and contrast the terms "research design" and "research methods research design" and "research methods research design" and "research design" and "research methods research design" and "research designs: Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case— series | | | | | |
| is currently known as qualitative research. Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Case-series | | | | | gave rise to what |
| as qualitative research. Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Case— Observational: Case— Series | | | | | |
| research. Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Canatitative Designs — Observational: Case-series | | | | | |
| Describe the characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "esearch method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: O Case-series | | | | | |
| characteristics of the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research design" and "research design" and "research design" and spear of the essential characteristics of the pollowing research designs: Quantitative Designs — Observational: Case-series | | | | | |
| the social constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | |
| constructivist worldview and explain the relationship between this worldview and the qualitative research paradigm. • Define qualitative research by referring to the central features of social constructivism. • Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. • Define and contrast the terms "research design" and "research method" and give examples of each. • Describe the essential characteristics of the following research designs: > Quantitative Designs — Observational: • Case- series | | | | | |
| worldview and explain the relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | |
| explain the relationship between this worldview and the qualitative research paradigm. • Define qualitative research by referring to the central features of social constructivism. • Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. • Define and contrast the terms "research design" and "research method" and give examples of each. • Describe the essential characteristics of the following research designs: > Quantitative Designs — Observational: • Case- series | | | | | |
| relationship between this worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | |
| between this worldview and the qualitative research paradigm. • Define qualitative research by referring to the central features of social constructivism. • Brirefly discuss mixed-methods research and explain how and when this type of research would be relevant. • Define and contrast the terms "research design" and "research method" and give examples of each. • Describe the essential characteristics of the following research designs: > Quantitative Designs — Observational: • Case-series | | | | | |
| worldview and the qualitative research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Cuantitative Designs — Observational: Case-series | | | | | |
| qualitative research paradigm. • Define qualitative research by referring to the central features of social constructivism. • Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. • Define and contrast the terms "research design" and "research method" and give examples of each. • Describe the essential characteristics of the following research designs: > Quantitative Designs — Observational: • Case-series | | | | | |
| research paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the examples of each. Observational: Case- series | | | | | |
| paradigm. Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | |
| Define qualitative research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Caseseries | | | | | |
| research by referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | |
| referring to the central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | Define qualitative |
| central features of social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | research by |
| social constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs Observational: Case- series | | | | | referring to the |
| constructivism. Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | central features of |
| Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | |
| Briefly discuss mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | constructivism. |
| mixed-methods research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case- series | | | | | |
| research and explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | |
| explain how and when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs Observational: Caseseries | | | | | |
| when this type of research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case- series | | | | | |
| research would be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs Observational: Case-series | | | | | |
| be relevant. Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs Observational: Case-series | | | | | * - |
| Define and contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs — Observational: Case-series | | | | | |
| contrast the terms "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs Observational: Case- series | | | | | |
| "research design" and "research method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs Observational: Case- series | | | | | |
| and "research method" and give examples of each. • Describe the essential characteristics of the following research designs: > Quantitative Designs Observational: Case-series | | | | | |
| method" and give examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs Observational: Case-series | | | | | |
| examples of each. Describe the essential characteristics of the following research designs: Quantitative Designs Observational: Case-series | | | | | |
| ● Describe the essential characteristics of the following research designs: ▶ Quantitative Designs — Observational: ○ Caseseries | | | | | |
| essential characteristics of the following research designs: Quantitative Designs Observational: Case- series | | | | | |
| characteristics of the following research designs: ➤ Quantitative Designs Observational: ○ Case- series | | | | | |
| the following research designs: > Quantitative Designs Observational: | | | | | |
| research designs: Quantitative Designs Observational: Case- series | | | | | |
| ➤ Quantitative Designs — Observational: ○ Case- series | | | | | the following |
| ➤ Quantitative Designs — Observational: ○ Case- series | | | | | research designs: |
| Observational: Case- series | | | | | |
| Observational: Case- series | | | | | |
| o Case- series | | | | | |
| series | | | | | |
| | | | | | |
| | | | | | |
| | <u>. </u> | L | 1 1 | <u> </u> | |

| | T T | 1 | <u> </u> | |
|-----|-----|---|-------------|------------------------------|
| | | | | o Case- |
| | | | | control |
| | | | | studies |
| | | | | o Cross- |
| | | | | sectional |
| | | | | studies |
| | | | | Cohort |
| | | | | studies |
| | | | | Quantitative |
| | | | | Designs – |
| | | | | Experimental: |
| | | | | Controlled |
| | | | | |
| | | | | clinical |
| | | | | trials |
| | | | | (concurrent |
| | | | | controls, |
| | | | | different |
| | | | | types of |
| | | | | non- |
| | | | | concurrent |
| | | | | controls, |
| | | | | blinded |
| | | | | trials, |
| | | | | randomised |
| | | | | & non- |
| | | | | |
| | | | | randomised |
| | | | | trials) |
| | | | | Quantitative |
| | | | | Designs – |
| | | | | Other: |
| | | | | Surveys |
| | | | | Qualitative |
| | | | | Designs: |
| | | | | Ethnograp |
| | | | | hic |
| | | | | studies |
| | | | | Grounded |
| | | | | theory |
| | | | | • |
| | | | | ○ Case studies |
| | | | | 5 |
| | | | | |
| | | | | nological studies |
| | | | | studies |
| | | | | Give an example |
| | | | | of one or more |
| | | | | simple research |
| | | | | problems where |
| | | | | each of the above |
| | | | | designs could be |
| | | | | suitably used. |
| | | | | Define the term |
| | | | | "index" as this |
| | | | | applies to |
| | | | | |
| | | | | published |
| | | | | literature. |
| | | | | Give the names |
| | | | | and sources of |
| | | | | electronic indices |
| - | | | | |
| 553 | | | RULES AND R | EGULATIONS 2024 |

| | <u> </u> | 1 | 1 | | 1 |
|---|----------|----------|----------------|---|---------------------|
| | | | | | applicable to |
| | | | | | medical research |
| | | | | | and how these |
| | | | | | can be accessed. |
| | | | | • | Give a brief |
| | | | | | overview of the |
| | | | | | extent and type of |
| | | | | | literature indexed |
| | | | | | in Index Medicus, |
| | | | | | Medline and |
| | | | | | CINAHL. |
| | | | | _ | Define the term |
| | | | | • | |
| | | | | | "keyword" as this |
| | | | | | applies to |
| | | | | | published |
| | | | | | literature and |
| | | | | | briefly discuss the |
| | | | | | origin and |
| | | | | | purpose of |
| | | | | | keywords that are |
| | | | | | part of a |
| | | | | | publication. |
| | | | | • | Discuss various |
| | | | | | options for |
| | | | | | searching each |
| | | | | | index named |
| | | | | | above (i.e. |
| | | | | | searching on title, |
| | | | | | author, keyword |
| | | | | | |
| | | | | | etc). |
| | | | | • | Define the term |
| | | | | | "medical subject |
| | | | | | heading" [MeSH] |
| | | | | | as this applies to |
| | | | | | the Medline index |
| | | | | | and explain the |
| | | | | | purpose and |
| | | | | | importance of |
| | | | | | MeSH terms. |
| | | | | • | Define the |
| | | | | | Boolean |
| | | | | | operators and |
| | | | | | demonstrate |
| | | | | | correct usage of |
| | | | | | |
| | | | | | the AND, OR and |
| | | | | | NOT operators as |
| | | | | | part of a search |
| | | | | | strategy. |
| | | | | • | Describe various |
| | | | | | options that can |
| | | | | | be used in order |
| | | | | | to refine a search |
| | | | | | that has returned |
| | | | | | too many titles or |
| | | | | | titles that do not |
| | | | | | appear to be |
| | | | | | applicable. |
| | | <u> </u> | | | αμμιισανίσ. |
| 1 | | | DI II ES AND D | | |

| | | | |
|------|------|---|--|
| | | | Describe the difference between an abstract and the full text of a published article and explain why it is not acceptable to only use the abstract of an article as a reference. Discuss the options available for accessing the full text of a published article, including a brief explanation of how the interlibrary loan system works. Discuss the relevance and role played by general purpose internet search engines. Explain the pitfalls of reliance on the internet as a sole source of scientific information. Describe the characteristics of reputable information sources to be |
| | | | explanation of the interlibrary loan |
| | | • | Discuss the relevance and role played by general purpose internet search engines. |
| | | • | of reliance on the internet as a sole source of scientific |
| | | • | characteristics of reputable |
| | | • | found on the internet. Discuss the purpose of the literature review in |
| | | • | a research proposal. Describe the steps to follow in performing a |
| | | • | literature review. Define plagiarism, and the different types of plagiarism, and |
| | | | critically discuss why plagiarism is wrong. |

| Explain the purpose of referencing and how referencess should be used in a literature review. Critically evaluate the use of bibliographic software for referencing by referring to advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to be ensure or | | | | |
|--|---|--|---|---------------------|
| referencing and how references should be used in a literature review. Critically evaluate the use of bibliographic software for referencing by referring to advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research modifierentiate reliability and validity with regard to quantitative regare to pussues common measures that may be taken to Discuss common measures that | | | • | Explain the |
| referencing and how references should be used in a literature review. Critically evaluate the use of bibliographic software for referencing by referring to advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research modifierentiate reliability and validity with regard to quantitative regare to pussues common measures that may be taken to Discuss common measures that | | | | purpose of |
| how references should be used in a literature review. Critically evaluate the use of bibliographic software for referencing by referring to advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | • • |
| should be used in a literature review. Critically evaluate the use of bibliographic software for referencing by referring to advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to Discuss common measures that | | | | |
| a literature review. Critically evaluate the use of bibliographic software for referencing by referring to advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that | | | | |
| review. Critically evaluate the use of bibliographic software for referencing by referring to advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure how to advantage how to structure how to advantage how the how to advantage how th | | | | |
| Critically evaluate the use of bibliographic software for referencing by referring to advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research aim and research aim and research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to be taken to | | | | |
| the use of bibliographic software for referencing by referring to advantages and disadvantages and disadvantages and disadvantages of an appropriate research title. Describe the characteristics of an appropriate research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to be taken to | | | | review. |
| the use of bibliographic software for referencing by referring to advantages and disadvantages and disadvantages and disadvantages of an appropriate research title. Describe the characteristics of an appropriate research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to be taken to | | | • | Critically evaluate |
| bibliographic software for referencing by referring to advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and not may be taken to quantitative research. Discuss common measures that the may be taken to | | | | • |
| software for referencing by referring to advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research grown and how these can be used in clarifying the aim and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| referencing by referring to advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| referring to advantages and disadvantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| advantages and disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measure that may be taken to | | | | |
| disadvantages of this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | advantages and |
| this kind of software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | disadvantages of |
| software. Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| Describe the characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| characteristics of an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability with regard to quantitative research. Discuss common measures that may be taken to | | | _ | |
| an appropriate research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | 1 | | • | |
| research title. Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| Differentiate between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | research title. |
| between the research aim and objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | • | |
| research aim and objectives. Demonstrate how to structure the wording of a research aim and research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| objectives. Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| Demonstrate how to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| to structure the wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| wording of a research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | • | |
| research aim and research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | to structure the |
| research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | wording of a |
| research objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | research aim and |
| objectives. Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| Explain the purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| purpose of the research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| research question and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | • | - |
| and problem statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | • • |
| statement and how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | = ' |
| how these can be used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | and problem |
| how these can be used in clarifying the aim and objectives. • Discuss the main features and requirements for writing an appropriate research method. • Define and differentiate reliability and validity with regard to quantitative research. • Discuss common measures that may be taken to | | | | statement and |
| used in clarifying the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | how these can be |
| the aim and objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| objectives. Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| Discuss the main features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| features and requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| requirements for writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | • | |
| writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| writing an appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | requirements for |
| appropriate research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | • |
| research method. Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| Define and differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | | |
| differentiate reliability and validity with regard to quantitative research. Discuss common measures that may be taken to | | | _ | |
| reliability and validity with regard to quantitative research. • Discuss common measures that may be taken to | | | • | |
| validity with regard to quantitative research. • Discuss common measures that may be taken to | | | | |
| regard to quantitative research. • Discuss common measures that may be taken to | | | | |
| regard to quantitative research. • Discuss common measures that may be taken to | | | | validity with |
| quantitative research. • Discuss common measures that may be taken to | | | | |
| research. Discuss common measures that may be taken to | | | | |
| • Discuss common measures that may be taken to | | | | |
| measures that may be taken to | | | _ | |
| may be taken to | | | • | |
| | | | | |
| ensure or | | | | - |
| | | | | ensure or |
| | | | | |

| | T T | Т | | |
|-----|-----|---|-----------------------------|----------------|
| | | | enhanc | |
| | | | and reli | - |
| | | | Discuss | |
| | | | trustwo | rthiness in |
| | | | qualitat | ive |
| | | | researc | h by |
| | | | explaini | |
| | | | | nent parts; |
| | | | credibili | |
| | | | transfer | |
| | | | | ability and |
| | | | confirm | |
| | | | | common |
| | | | measur | |
| | | | | e taken to |
| | | | ensure | or or |
| | | | enhanc | |
| | | | | e rthiness. |
| | | | | |
| | | | | y discuss |
| | | | | ortance of |
| | | | | ent of the |
| | | | researd | , |
| | | | aim, | objectives |
| | | | and me | |
| | | | | e the two |
| | | | | types - |
| | | | qualitat | |
| | | | | ative – and |
| | | | discuss | other data |
| | | | types fa | alling into |
| | | | these to | wo broad |
| | | | categor | ies |
| | | | (catego | rical, |
| | | | òrdinal, | |
| | | | scale a | nd ratio). |
| | | | | camples of |
| | | | typical | research |
| | | | applicat | |
| | | | | each of the |
| | | | | data types |
| | | | could b | |
| | | | | the aims |
| | | | | riptive data |
| | | | | s, both as |
| | | | | outcome |
| | | | a iii ai G and | as a |
| | | | | |
| | | | more | nary step in |
| | | | statistic | complex |
| | | | | |
| | | | analysis | |
| | | | | e the most |
| | | | basic . | ways of |
| | | | arrangii | |
| | | | categor | |
| | | | ordinal | data – |
| | | | | |
| l l | | | frequen | |
| | | | frequen analysis | |

| | ı | 1 | | | | |
|-----|----------|---|---|----------------|---|------------------------------------|
| | | | | | | contingency |
| | | | | | | tables. |
| | | | | | • | Discuss the most |
| | | | | | | effective ways of |
| | | | | | | displaying |
| | | | | | | frequency or count information |
| | | | | | | |
| | | | | | | graphically. |
| | | | | | • | Define a |
| | | | | | | histogram and explain how |
| | | | | | | |
| | | | | | | histograms may be used as a way |
| | | | | | | of summarising |
| | | | | | | quantitative |
| | | | | | | variables. |
| | | | | | • | State the two |
| | | | | | • | most important |
| | | | | | | descriptive |
| | | | | | | measures for |
| | | | | | | scale and ratio |
| | | | | | | data types – |
| | | | | | | central tendency |
| | | | | | | and variation. |
| | | | | | • | Define the mean, |
| | | | | | | the median and |
| | | | | | | the mode, explain |
| | | | | | | their value as |
| | | | | | | measures of |
| | | | | | | central tendency |
| | | | | | | and state the |
| | | | | | | advantages and |
| | | | | | | disadvantages of |
| | | | | | | each. |
| | | | | | • | Define the range, |
| | | | | | | variance and |
| | | | | | | standard |
| | | | | | | deviation and |
| | | | | | | explain their value |
| | | | | | | as measures of |
| | | | | | | dispersion. |
| | | | | | • | Define the |
| | | | | | | quantiles, |
| | | | | | | specifically the 25th, 50th and |
| | | | | | | 75th percentiles |
| | | | | | | and the |
| | | | | | | interquartile |
| | | | | | | range and explain |
| | | | | | | their value as |
| | | | | | | measures of both |
| | | | | | | central tendency |
| | | | | | | and variation. |
| | | | | | • | State when it |
| | | | | | - | would be most |
| | | | | | | appropriate to |
| | | | | | | describe data by |
| | <u>'</u> | | • | | | |
| EEO | | | | DI II EQ AND D | | NC 2024 |

| | | | placing it in a |
|-----|----------|--------------------|---|
| | | | contingency table |
| | | | or by calculating |
| | | | values such as |
| | | | the mean, |
| | | | median, variance, |
| | | | standard |
| | | | deviation, |
| | | | quartiles and |
| | | | interquartile |
| | | | range. |
| | | | Explain the |
| | | | advantages of a |
| | | | box-plot for the |
| | | | graphical display |
| | | | of quantitative |
| | | | data and interpret |
| | | | box-plots. |
| | | | Describe possible |
| | | | sources and the |
| | | | nature of |
| | | | qualitative data. |
| | | | Differentiate |
| | | | between basic |
| | | | qualitative data |
| | | | analysis and more |
| | | | advanced forms |
| | | | of qualitative data |
| | | | analysis. |
| | | | Describe |
| | | | Creswell's five |
| | | | basic steps, and |
| | | | Denscombe's |
| | | | four basic steps, |
| | | | • |
| | | | in qualitative data |
| | | | analysis. • Discuss the |
| | | | |
| | | | importance of Denscombe's five |
| | | | key decisions in |
| | | | |
| | | | _ |
| | | | qualitative data. • Discuss the use of |
| | | | |
| | | | software in |
| | | | qualitative data |
| | | | analysis. |
| | | | Define morality, |
| | | | ethics and |
| | | | bioethics. |
| | | | Explain what a marel theory is |
| | | | moral theory is |
| | | | and how such |
| | | | theories can be |
| | | | used in ethics. |
| | | | Discuss the key |
| | | | features of |
| | | | utilitarian, |
| 559 | <u>.</u> | DI II CC AND D | EGULATIONS 2024 |

| Kantian, rights and virtue moral theories and use these theories to critically evaluate moral problems. Discuss the concept of moral virtue and five focal virtues or health professionals; compassion, discemment, trustworthiness, integrity and conscientiousnes s. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of health research. | | | | |
|--|--|--|---|---------------------|
| theories and use these theories to critically evaluate moral problems. Discuss the concept of moral virtue and five focal virtues or health professionals; compassion, dissemment, trustworthiness, integrity and conscientiousnes s. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles of respect for autonomy. Discuss the ethical principles of respect for autonomy. Discuss the ethical principles of the prin | | | | Kantian, rights |
| these theories to critically evaluate moral problems. Discuss the concept of moral virtue and five focal virtues or health professionals; compassion, discernment, trustworthiness, integrity and conscientiousnes s. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles of respect for autonomy, non-maleficence, beneficence, and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | and virtue moral |
| these theories to critically evaluate moral problems. Discuss the concept of moral virtue and five focal virtues or health professionals; compassion, discernment, trustworthiness, integrity and conscientiousnes s. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles of respect for autonomy, non-maleficence, beneficence, and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| critically evaluate moral problems. Discuss the concept of moral virtue and five focal virtues or health professionals; compassion, discemment, trustworthiness, integrity and conscientiousnes s. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Explain why ethics of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles of rother the south African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| moral problems. Discuss the concept of moral virtue and five focal virtues or health professionals; compassion, discernment, trustworthiness, integrity and conscientiousness. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is encessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical principles of research. Discuss the ethical principles of research. Discuss the ethical principles of research. Discuss the ethical principles of respect for autonomy non-maleficence, beneficence and justice, and how these relate to ethical principles outlined in the Could principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| Discuss the concept of moral virtue and five focal virtues or health professionals; compassion, discernment, trustworthiness, integrify and conscientiousness. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Explain grinciples of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| concept of moral virtue and five focal virtues or health professionals; compassion, discernment, trustworthiness, integrity and conscientiousnes s. • Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. • Explain why ethics is necessary in research. • Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. • Discuss the ethical principles of the ethical practice in ceases the ethical practice in cease couldined in the South African Department of Health Research Ethics Guidelines (2004). • Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). • Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). • Discuss the emportance of and requirements for informed consent in any form of | | | | |
| virtue and five focal virtues or health professionals; compassion, discernment, trustworthiness, integrity and conscientiousness. • Differentiate between clinical practice and research, clearly specifying when an intervention ceases be clinical practice and research. • Explain why ethics is necessary in research. • Explain principles of respect for autonomy, non-maleficence, and justice, and how these relate to ethical practice in research. • Discuss the ethical principles of the ethical principles of respect for autonomy, non-maleficence, and pustice, and now these relate to ethical practice in research. • Discuss the ethical principles outlined in the South African Department of health Research Ethics Guidelines (2004). • Discuss the importance of and requirements for informed consent | | | • | |
| virtue and five focal virtues or health professionals; compassion, discernment, trustworthiness, integrity and conscientiousness. • Differentiate between clinical practice and research, clearly specifying when an intervention ceases be clinical practice and research. • Explain why ethics is necessary in research. • Explain principles of respect for autonomy, non-maleficence, and justice, and how these relate to ethical practice in research. • Discuss the ethical principles of the ethical principles of respect for autonomy, non-maleficence, and pustice, and now these relate to ethical practice in research. • Discuss the ethical principles outlined in the South African Department of health Research Ethics Guidelines (2004). • Discuss the importance of and requirements for informed consent | | | | concept of moral |
| health professionals; compassion, discernment, trustworthiness, integrity and conscientiousness. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical principles of respect for autonomy in the ethical principles of respect for autonomy. Discuss the ethical principles of respect for autonomy non-maleficence, beneficence and justice, and how these relate to ethical principles outlined in the South African Department of Health Research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| health professionals; compassion, discernment, trustworthiness, integrity and conscientiousness. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles of full practice in research. Discuss the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | focal virtues or |
| professionals; compassion, discernment, trustworthiness, integrity and conscientiousnes s. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles of respect for autonomy non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles of file and processes outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| compassion, discernment, trustworthiness, integrity and conscientiousnes s. • Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. • Explain why ethics is necessary in research. • Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. • Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). • Discuss the importance of and requirements for informed consent in any form of | | | | |
| discernment, trustworthiness, integrity and conscientiousness. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | - |
| trustworthiness, integrity and conscientiousnes s. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles of the ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| integrity and conscientiousnes s. s. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| conscientiousnes s. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | • |
| s. Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| Differentiate between clinical practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | conscientiousnes |
| between clinical practice and research, clearly specifying when an intervention cases to be clinical practice and becomes research. • Explain why ethics is necessary in research. • Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. • Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). • Discuss the importance of and requirements for informed consent in any form of | | | | |
| practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | • | Differentiate |
| practice and research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | between clinical |
| research, clearly specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| specifying when an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | - |
| an intervention ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| ceases to be clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in orm of | | | | |
| clinical practice and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| and becomes research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| research. Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | • |
| Explain why ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | research. |
| ethics is necessary in research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | • | Explain why |
| research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | ethics is |
| research. Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | necessary in |
| Describe the ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | , |
| ethical principles of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | • | |
| of respect for autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. • Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). • Discuss the importance of and requirements for informed consent in any form of | | | • | |
| autonomy, non-maleficence, beneficence and justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| maleficence, beneficence and justice, and how these relate to ethical practice in research. • Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). • Discuss the importance of and requirements for informed consent in any form of | | | | • |
| beneficence and justice, and how these relate to ethical practice in research. • Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). • Discuss the importance of and requirements for informed consent in any form of | | | | |
| justice, and how these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| these relate to ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| ethical practice in research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| research. Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | ethical practice in |
| Discuss the ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| ethical principles outlined in the South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | • | |
| outlined in the South African Department of Health Research Ethics Guidelines (2004). • Discuss the importance of and requirements for informed consent in any form of | | | • | |
| South African Department of Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| Department of Health Research Ethics Guidelines (2004). • Discuss the importance of and requirements for informed consent in any form of | | | | |
| Health Research Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| Ethics Guidelines (2004). Discuss the importance of and requirements for informed consent in any form of | | | | |
| (2004). • Discuss the importance of and requirements for informed consent in any form of | | | | |
| Discuss the importance of and requirements for informed consent in any form of | | | | |
| Discuss the importance of and requirements for informed consent in any form of | | | | (2004). |
| importance of and requirements for informed consent in any form of | | | • | ` ' |
| requirements for informed consent in any form of | | | | |
| informed consent in any form of | | | | |
| in any form of | | | | |
| | | | | |
| neaith research. | | | | |
| | | | | nealui lesealul. |

| Clearly explain special considerations with informed consent in the following categories: Patients undergoing emergency treatment; Minors: Patients with a mental iliness or handloap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and the consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
|--|------|------|---|-------------------|
| considerations with informed consent in the following categories: > Patients undergoing emergency treatment; > Minors; > Patients with a mental illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. • Explain the importance of and requirements for patient confidentiality of health research and requirements for patient confidentiality may be achieved. • Differentiality may be achieved. • Differentiality and anonymity and explain how anonymity may be achieved and he consequences of this. • Discuss the different types of research vulnerability and how the rights of research vulnerability and how | | | • | Clearly explain |
| considerations with informed consent in the following categories: > Patients undergoing emergency treatment; > Minors; > Patients with a mental illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. • Explain the importance of and requirements for patient confidentiality of health research and requirements for patient confidentiality may be achieved. • Differentiality may be achieved. • Differentiality and anonymity and explain how anonymity may be achieved and he consequences of this. • Discuss the different types of research vulnerability and how the rights of research vulnerability and how | | | | special |
| with informed consent in the following categories: Patients undergoing emergency treatment; Minors; Patients with a mental illness or handicap; Discus best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality may be achieved. Differentiate between confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity and explain how anonymity and be achieved and he consequences of this. Discuss the different types of research vullnerability and how the rights of research patients. | | | | |
| consent in the following categories: Patients undergoing emergency treatment; Minors; Patients with a mental illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective mesearch designs. Explain the importance of and requirements for both prospective and retrospective mesearch designs. Explain the importance of and requirements for patient confidentiality of health research and how the confidentiality may be achieved. Differentiate between confidentiality and anonymity and anonymity and anonymity and anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of research vulnerability and | | | | |
| following categories: | | | | |
| categories: Patients undergoing emergency treatment; Minors; Patients with a mental illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| Patients undergoing emergency treatment; Minors; Minors; Patients with a mental illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how described how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| undergoing emergency treatment; > Minors; > Patients with a mental illness or handicap; • Discuss best practices for obtaining informed consent for research participation. • Describe the requirements for consent when use is made of clinical records in both prospective and retrospective and retrospective research designs. • Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. • Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. • Discuss the different types of research vulnerability and how the rights of | | | | |
| emergency treatment; Minors; Patients with a mental illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | Patients |
| emergency treatment; Minors; Patients with a mental illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | undergoing |
| treatment; Minors; Patients with a mental illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| ➢ Minors; ➢ Patients with a mental illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective and retrospective and requirements for patient confidentiality of health research and how confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| Patients with a mental illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | = |
| a mental illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| illness or handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| handicap; Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| Discuss best practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective and retrospective and retrospective fessarch designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | handicap; |
| practices for obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective and retrospective and retrospective fessarch designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | • | - |
| obtaining informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| informed consent for research participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| for research participation. Pescribe the requirements for consent when use is made of clinical records in both prospective and retrospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| participation. Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| Describe the requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| requirements for consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | • | Describe the |
| consent when use is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | requirements for |
| is made of clinical records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| records in both prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| prospective and retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| retrospective research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| research designs. Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| Explain the importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | research designs. |
| importance of and requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | • | Explain the |
| requirements for patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| patient confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| confidentiality of health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | - |
| health research and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| and how confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| confidentiality may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| may be achieved. Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | confidentiality |
| Differentiate between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | may be achieved. |
| between confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | • | • |
| confidentiality and anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | - | |
| anonymity and explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| explain how anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| anonymity may be achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| achieved and he consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| consequences of this. Discuss the different types of research vulnerability and how the rights of | | | | |
| this. Discuss the different types of research vulnerability and how the rights of | | | | |
| Discuss the different types of research vulnerability and how the rights of | | | | |
| different types of research vulnerability and how the rights of | | | _ | |
| research vulnerability and how the rights of | | | • | |
| vulnerability and how the rights of | | | | |
| how the rights of | | | | |
| how the rights of | | | | vulnerability and |
| | | | | |
| | | | | vulnerable groups |
| can be protected | | | | |
| in research. | | | | |
| in research. | | | | III ICSCAIUI. |

| Structural | SCR01Y | 100% | 0% | 8 | 10 | To provide the | Describe the responsibilities of a researcher before and after a study. Discuss scientific integrity and misconduct (including plagiarism) and steps that can be taken to recognise, report and combat these. Give an overview of the steps in the research process, from choosing a research topic to writing and handing in the completed research report. Discuss the role of the research supervisor. |
|-----------------|--------|-------|------|---|----|--|--|
| Collapse Rescue | 4 | 100 % | 0.76 | 0 | | To provide the student with the necessary knowledge, skills and techniques to access and extricate entrapped victims from collapsed structures. The module focused on the collapsed structures but drew upon the outcomes from all other rescue modules which were applicable to the structural collapse rescue environment. | Throughout completion of this module, the following learning outcomes were achieved: • Structural collapse incident safety o Identify components of safety that need to be identified during all phases of structural collapse incidents. o Discuss hazard recognition and identify what needs to considered during the initial building assessment. o Comprehensively discuss the mitigation of hazards. |

| | Ţ Ţ | | | |
|-----|-----|--------------|-----|--------------------|
| | | | 0 | Discuss the |
| | | | | "Lookout", |
| | | | | "Communication" |
| | | | | , "Escape Routes" |
| | | | | and "Safety |
| | | | | Zones" (LCES) |
| | | | | principles. |
| | | | 0 | Explain risk |
| | | | | assessment in |
| | | | | the structural |
| | | | | collapse |
| | | | | environment. |
| | | | 0 | Discuss PPE |
| | | | O | used in structural |
| | | | | |
| | | | C4 | collapse incidents |
| | | | | uctural collapse |
| | | | | ineering systems |
| | | | and | collapse patterns |
| | | | 0 | Explain the effect |
| | | | | of compression, |
| | | | | tension, bending |
| | | | | and shear forces |
| | | | | on wood, steel, |
| | | | | masonry and |
| | | | | concrete. |
| | | | 0 | Explain ductile |
| | | | · · | and brittle |
| | | | | properties of |
| | | | | above mentioned |
| | | | | building |
| | | | | materials. |
| | | | | |
| | | | 0 | Discuss vertical |
| | | | | and lateral load |
| | | | | resistant forces. |
| | | | 0 | Identify man- |
| | | | | made and natural |
| | | | | causes for |
| | | | | structural |
| | | | | collapse. |
| | | | 0 | Discuss and |
| | | | | explain different |
| | | | | building |
| | | | | construction |
| | | | | types with |
| | | | | reference to: |
| | | | 0 | Identify the |
| | | | O | various types of |
| | | | | building |
| | | | | construction. |
| | | | | |
| | | | 0 | List the various |
| | | | | warning signs |
| | | | | that should be |
| | | | | considered, for |
| | | | | each construction |
| | | | | |
| 563 | | RUI ES AND R | | NIC 2024 |

| 1 | | | | | |
|---|---|--|---|--------|---------------------|
| | | | | | type, to indicate |
| | | | | | significant |
| | | | | | damage and |
| | | | | | potential |
| | | | | | collapse. |
| | | | | 0 | Identify the |
| | | | | | common collapse |
| | | | | | pattern for each |
| | | | | | building type. |
| | | | | 0 | Identify the |
| | | | | O | possible location |
| | | | | | of victims per |
| | | | | | construction type. |
| | | | | _ | Discuss methods |
| | | | | 0 | |
| | | | | | to mitigate |
| | | | | | hazards in each |
| | | | | | of the |
| | | | | | construction |
| | | | | | types. |
| | | | | 0 | Identify the most |
| | | | | | appropriate |
| | | | | | search technique |
| | | | | | for each |
| | | | | | construction type |
| | | | | • Info | ormation gathering |
| | | | | and | d building |
| | | | | ide | ntification |
| | | | | 0 | Briefly explain the |
| | | | | | phases of a |
| | | | | | structural |
| | | | | | collapse incident. |
| | | | | 0 | Elaborate on the |
| | | | | | initial phases of |
| | | | | | task force |
| | | | | | deployment. |
| | | | | 0 | Apply basic |
| | | | | | strategies in the |
| | | | | | initial information |
| | | | | | gathering stage. |
| | | | | 0 | |
| | | | | - | deployment at a |
| | | | | | structural |
| | | | | | collapse incident. |
| | | | | 0 | Demonstrate |
| | | | | O | structure hazards |
| | | | | | and evaluation |
| | | | | | marking. |
| | | | | 0 | Demonstrate the |
| | | | | J | marking of an |
| | | | | | area where a |
| | | | | | patient has been |
| | | | | | identified. |
| | | | | | idonunod. |
| 1 | l | | 1 | | |

| Trench | TRR01Y | 100% | 0% | 7 | 10 | This module will | Discuss principles of building triage. Shoring techniques Provide a definition of a "shore". Explain the principles of shoring. Explain the properties of shoring systems. Discuss the "sixsided approach" to shoring. Demonstrate how to effectively construct and effectively install the following: Vertical Shores T-spot shores Door/window shores Cribbing Laced posts Mechanical shores Sloped floor shores Raker shores Flying raker Split pole raker Flying raker Breaching, breaking, cutting and burning Throughout completion |
|--------|--------|------|----|---|----|--|--|
| Rescue | 4 | | | | | provide you with the necessary knowledge, skills and techniques to extricate entrapped victims involved in trench and excavation incidents. The module will focus on the fundamentals of | of this module, the following learning outcomes were achieved: Introduction to trench rescue Provide a definition of a trench. Label the "anatomy" of a trench. |

| shoring of collapsed trenches. and the access, stabilisation and removal of entrapped victims. Interpret victims of entrapped victims of entrapped victims. Discuss types of trench incidents. Discuss the effects of trench incidents. Discuss the effects of trench incidents. Lidentify the misconceptions that laypersons have regarding trenches and trench collapse. Lidentify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue equipment to bis types of equipment used for trench rescue of equipment used for trench rescue of equipment to disdustrations of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment used in trench Safe operation of equipment used for equipment used for equipment used for trench rescue of equipment Correct inspection of equipment Safe operation of equipment used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of equipment between the correct use thereof. | | | |
|--|------|-------------------|---------------------------|
| and the access stabilisation and removal of entrapped victims are all and are access stabilisation and removal of entrapped victims biscuss types of trench incidents. Discuss the effects of trench incidents. Identify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment Discuss the types of equipment Discuss the types of equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Advantages of equipment Safe operation of equipment sed in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | shoring of | Explain the various uses |
| stabilisation and removal of entrapped victims and around trenches. Discuss types of trench incidents. Discuss types of trench incidents. Discuss types of trench incidents. Discuss the effects of trench incidents. Lidentify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue with regards to the following: Materials used to manufacture equipment Discuss the types of equipment and trench rescue of equipment and trench rescue of equipment. Advantages and disadvantages of equipment Advantages and disadvantages of equipment sade in trench rescue of equipment. Safe operation of equipment and disadvantages of equipment and in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pleces of a | | | of trenches. |
| stabilisation and removal of entrapped victims and around trenches. Discuss types of trench incidents. Discuss types of trench incidents. Discuss types of trench incidents. Discuss the effects of trench incidents. Lidentify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment Safe operation of equipment used in trench rescue of equipment Safe operation of equipment and disadvantages of equipment and in the contracture equipment of equipment and in the contracture equipment and is a safe operation of equipment and is a safe operation and i | | and the access, | Discuss key legislative |
| removal of entrapped victims biscuss types of trench incidents. Discuss types of trench incidents. Discuss dangers associated with trench rescue work. Discuss the effects of trench incidents. Identify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Advantages of equipment Safe operation of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | stabilisation and | |
| entrapped victims trenches Discuss types of trench incidents. Discuss dangers associated with trench rescue work. Discuss the effects of trench incidents. Identify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials uset to manufacture equipment content in the misconception of equipment and the misconception of equipment and in the misconception of equipment and its advantages and disadvantages of equipment and its advantages and disadvantages and disa | | removal of | |
| Discuss types of trench incidents. Discuss dangers associated with trench rescue work. Discuss the effects of trench incidents. Identify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment safe operation of equipment used in trench rescue Discuss the use of different soil types of PE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use of PPE | | entrapped victims | • |
| incidents. Discuss dangers associated with trench rescue work. Discuss the effects of trench incidents. Identify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| Discuss dangers associated with trench rescue work. Discuss the effects of trench incidents. Identify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment used in trench rescue Discuss the use of of different types of Pet used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use of appropriate pie | | | |
| associated with trench rescue work. Discuss the effects of trench incidents. Identify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Advantages and disadvantages of equipment Safe operation of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| rescue work. Discuss the effects of trench incidents. Identify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of disadvantages of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | 9 |
| Discuss the effects of trench incidents. Identify the misconceptions that laypersons have regarding frenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment used for trench rescue equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| trench incidents. Identify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of pPPE and the correct use | | | |
| Identify the misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment Safe operation of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of | | | |
| misconceptions that laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operations. Safe operation of equipment to different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of a | | | trench incidents. |
| laypersons have regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | Identify the |
| regarding trenches and trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages and disadvantages of equipment Safe operation of equipment to the collection of equipment used in trench rescue of the collection of equipment used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | misconceptions that |
| trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | laypersons have |
| trench collapse. Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | · . |
| Identify which factors may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | - |
| may contribute to trench collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | - I |
| collapse. Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | • |
| Classify the different soil types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | - |
| types and explain the implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | - |
| implications of each type for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | - |
| for trench rescue operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| operations. Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | • |
| Trench rescue equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| equipment Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | - |
| Discuss the types of equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | Trench rescue |
| equipment used for trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | equipment |
| trench rescue with regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | Discuss the types of |
| regards to the following: Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | equipment used for |
| Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | trench rescue with |
| Materials used to manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | regards to the following: |
| manufacture equipment Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | _ |
| Functions of each piece of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| of equipment Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | · · · |
| Correct inspection of equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| equipment Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| Advantages and disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | = |
| disadvantages of equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| equipment Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | • |
| Safe operation of equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| equipment used in trench rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| rescue Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | • |
| Discuss the use of different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| different types of PPE used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | rescue |
| used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | Discuss the use of |
| used in trench rescue operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | different types of PPE |
| operations. Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| Demonstrate the ability to decide upon the use of appropriate pieces of PPE and the correct use | | | |
| to decide upon the use of appropriate pieces of PPE and the correct use | | | - |
| appropriate pieces of PPE and the correct use | | | - |
| PPE and the correct use | | | = |
| | | | |
| thereof. | | | |
| | | | mereor. |

| | | Trench rescue |
|--|---|---|
| | | 11011011 |
| | | operations |
| | | Describe the activities |
| | | associated with each |
| | | phase of the trench |
| | | rescue. |
| | | Discuss how to prepare |
| | | = = |
| | | for trench rescue |
| | | incidents. |
| | | Discuss relevant |
| | | informationto obtain |
| | | when receiving the call. |
| | | Identify the correct |
| | | parking of vehicles at a |
| | | trench rescue incident. |
| | | Discuss how to |
| | | differentiate between a |
| | | |
| | | general area and a |
| | | rescue area |
| | | Explain how to perform a |
| | | primary assessment of a |
| | | trench rescue incident. |
| | | Identify hazards and |
| | | describe ways to |
| | | mitigation these hazards. |
| | | Explain how to find |
| | | buried victims using |
| | | clues. |
| | | |
| | | Explain how to perform a |
| | | secondary scene |
| | | assessment. |
| | | Explain how you would |
| | | determine the |
| | | appropriate additional |
| | | resources needed to |
| | | assist in the rescue |
| | | |
| | | · · |
| | | - |
| | | |
| | | - |
| | | _ |
| | | |
| | | |
| | | |
| | | Discuss how to make the |
| | | rescue area safe |
| | | Discuss how to make the |
| | | |
| | | • |
| | | |
| | | |
| | | |
| | • | |
| | | techniques for trench safety |
| | | resources needed to assist in the rescue operations. Explain how to ensure that rescuers are protected at all times during the rescue operation Discuss how to make the general area safe. Discuss how to make the rescue area safe Discuss how to make the trench lip safe Discuss to make the trench safe Discuss alternative |

| Explain how to establish a command post post in the command post i | T T | | |
|--|-----|-------------|---------------------------|
| Department of Emergency Medical Care Discuss methods of supporting family and friends of the victims Discuss how to effectively manage the media • Discuss steps to be taken when a trench cannot be made safe Discuss certain injuries and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fuffil the role of each member within a trench | | | _ |
| Emergency Medical Care Discuss methods of supporting family and friends of the victims Discuss how to effectively manage the media • Discuss steps to be taken when a trench cannot be made safe Discuss certain injuries and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | • |
| Discuss methods of supporting family and friends of the victims Discuss how to effectively manage the media • Discuss steps to be taken when a trench cannot be made safe Discuss certain injuries Discuss certain injuries Discuss certain injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | Department of |
| supporting family and friends of the victims Discuss how to effectively manage the media • Discuss steps to be taken when a trench cannot be made safe Discuss certain injuries and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue incidents. Correctly stage an area for all trench rescue incidents. Correctly stage an area for all trench rescue equipment during. Fuffil the role of each member within a trench | | | Emergency Medical Care |
| friends of the victims Discuss how to effectively manage the media • Discuss steps to be taken when a trench cannot be made safe Discuss certain injuries and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fuffil the role of each member within a trench | | | Discuss methods of |
| friends of the victims Discuss how to effectively manage the media • Discuss steps to be taken when a trench cannot be made safe Discuss certain injuries and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfill the role of each member within a trench | | | supporting family and |
| Discuss how to effectively manage the media • Discuss steps to be taken when a trench cannot be made safe Discuss certain injuries and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during. Fulfil the role of each member within a trench | | | |
| effectively manage the media • Discuss sleps to be taken when a trench cannot be made safe Discuss certain injuries and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during. Fulfil the role of each member within a trench | | | |
| media • Discuss steps to be taken when a trench cannot be made safe Discuss certain injuries and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue training scenarios. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| be taken when a trench cannot be made safe Discuss certain injuries and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| cannot be made safe Discuss certain injuries and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skillis outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | - 1 |
| Discuss certain injuries and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| and pathologies related to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | cannot be made safe |
| to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | Discuss certain injuries |
| to trench rescue: Crush injuries Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | and pathologies related |
| Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | - |
| Compartment syndrome Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | Crush iniuries |
| Rhabdomyolysis Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | _ |
| Traumatic asphyxiation Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | - |
| Describe the use of machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| machines to dig Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| Discuss methods of dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| dewatering the trench during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | _ |
| during digging operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| operations: Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| Pumping from the trench floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | during digging |
| floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | operations: |
| floor Spot dewatering Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | Pumping from the trench |
| Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| Making a sump Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | Spot dewatering |
| Discuss how to adjust the shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| shoring if the ground is frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | - |
| frozen Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | - |
| Discuss how to monitor or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | - |
| or use a crane, backhoe and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| and aerial apparatus to remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| remove the patient Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| Practical skills outcomes Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| Act in a safe manner during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | • |
| during all trench rescue training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | Practical skills outcomes |
| training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | Act in a safe manner |
| training scenarios. Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | during all trench rescue |
| Correctly don and doff all PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | _ |
| PPE used for trench rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | _ |
| rescue. Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | • |
| Create appropriate work areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| areas for trench rescue incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| incidents. Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| Correctly stage an area for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| for all trench rescue equipment during training. Fulfil the role of each member within a trench | | | |
| equipment during training. Fulfil the role of each member within a trench | | | |
| training. Fulfil the role of each member within a trench | | | for all trench rescue |
| Fulfil the role of each member within a trench | | | equipment during |
| Fulfil the role of each member within a trench | | | |
| member within a trench | | | • |
| | | | |
| 10000 1001111 | | | |
| | | | |

| | | 15 |
|------|------|---------------------------|
| | | Demonstrate the safe |
| | | operation of all trench |
| | | rescue equipment in a |
| | | scenario. |
| | | Demonstrate the correct |
| | | parking of vehicles at a |
| | | trench rescue incident. |
| | | Demonstrate how to |
| | | perform a primary |
| | | assessment. |
| | | Demonstrate how to |
| | | perform hazard |
| | | identification and hazard |
| | | |
| | | mitigation. |
| | | Demonstrate how to |
| | | perform a secondary |
| | | scene assessment. |
| | | Demonstrate how to |
| | | ensure that rescuers are |
| | | protected at all times |
| | | during the rescue |
| | | operation. |
| | | Demonstrate how to |
| | | make the general area |
| | | safe. |
| | | Demonstrate how to |
| | | make the rescue area |
| | | safe. |
| | | Demonstrate how to |
| | | |
| | | make the trench lip safe. |
| | | Demonstrate how to |
| | | make the trench safe. |
| | | Demonstrate alternative |
| | | techniques for trench |
| | | safety. |
| | | Demonstrate how to |
| | | create a supply point. |
| | | Demonstrate how to |
| | | continue hazard control. |
| | | Demonstrate the |
| | | application of principles |
| | | used to shore trenches |
| | | safely. |
| | | Demonstrate how to |
| | | shore accidents with a |
| | | single side wall cave-in. |
| | | Demonstrate how to |
| | | |
| | | shore accidents with a |
| | | double side wall cave-in. |
| | | Demonstrate how to |
| | | shore accidents without a |
| | | cave-in. |
| | | Demonstrate the shoring |
| | | of a hand dug well. |
| | | |

| | | Demonstrate the ability |
|--|--|-----------------------------|
| | | to use shore trenches |
| | | using a variety of |
| | | material as discussed in |
| | | study unit B. |
| | | Demonstrate the correct |
| | | technique of shoring |
| | | special trench designs: |
| | | T trenches |
| | | L Trenches |
| | | X Trenches |
| | | Demonstrate how to |
| | | render emergency care |
| | | in the trench. |
| | | Demonstrate how to |
| | | safely adjust shoring to |
| | | reach and remove |
| | | victims |
| | | Demonstrate how to |
| | | |
| | | safely use |
| | | supplementary sheeting |
| | | and shoring |
| | | Demonstrate methods of |
| | | dewatering the trench |
| | | during digging |
| | | operations: |
| | | Pumping from the trench |
| | | floor |
| | | Spot dewatering |
| | | Making a sump |
| | | Demonstrate how to |
| | | package the patient for |
| | | removal |
| | | Demonstrate how to |
| | | remove the patient from |
| | | the trench |
| | | Demonstrate how to use |
| | | a hand line and ladder to |
| | | remove a patient from a |
| | | trench |
| | | Demonstrate how to |
| | | Remove tools and |
| | | equipment safely |
| | | Demonstrate how to |
| | | Remove sheeting and |
| | | shoring of various |
| | | |
| | | materials correctly and |
| | | safely |
| | | Demonstrate how to |
| | | correctly service all tools |
| | | and equipment used in |
| | | the operation |
| | | |

| | | | | | | | Demonstrate how to complete required reports Demonstrate how to Perform a team / personnel debrief |
|------------------------------------|-------------|------|----|---|----|--|--|
| Wilderness Search and Rescue | WSR01Y 3 | 100% | 0% | 7 | 12 | The aim of this module was to provide the student with the necessary knowledge, skills and insight needed to safely and effectively coordinate and / or participate in a wilderness search and rescue operation. | Throughout completion of this module, the following learning outcomes were achieved: Discuss the role of the medical rescuer in wilderness search & rescue Explain the importance of proper planning Discuss the physical and mental preparation needed for managing wilderness search & rescue incidents. Explain the role of as well as the activation procedures for any of the support services covered Classify a wilderness area according to geography and vegetation Identify and discuss the dangers associated with wilderness search & rescue activities Making use of a map or description of an area, classify the area and describe the possible dangers associated with the area. Activate any of the above mentioned support / allied services. Discuss the correct equipment needed for efficient wilderness search & rescue operations Explain the concept of a layered clothing system for temperature extremes Explain the general principles of packing a back pack |

| good sleeping bag Discuss the different types of tent used as well as some advantages of each Discuss the types, construction, advantages & disadvantages of the different types of cookware and stoves Explain the principles of sanitation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting as personal making and use of maps List & briefly explain the construction of the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the functioning and correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the advantages alimitations of using a GPS system Discuss the difference between simplex and repeater radio communication explain how to select an appropriate site for, and | ı | | 1 | | |
|--|-----|------|---|-------------|-----------------------------|
| Discuss the different types of tent used as well as some advantages and disadvantages of each Discuss the types, construction, advantages & disadvantages of the different types of cookware and stoves Explain the principles of sanitation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of aerial photography and the correct use of aerial photography and limitations of use of aerial photography and the correct use of aerial photography and limitations of use of aerial photography and the correct use of aerial photography and limitations of use of aerial photography and the correct use of aeria | | | | | Discuss the qualities of a |
| types of tent used as well as some advantages and disadvantages of each Discuss the types, construction, advantages & disadvantages of the different types of cookware and stoves Explain the principles of sanitation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Attimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the uses and inference between simplex and repeater radio communication systems available for wilderness search and rescue operations Explain the use of the difference between simplex and repeater radio communication so to select an appropriate site for, and | | | | | good sleeping bag |
| as some advantages and disadvantages of each Discuss the types, construction, advantages & disadvantages of the different types of cookware and stoves Explain the principles of santation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting as well as types of lighting and use of maps List & briefly explain the construction of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain the to select an appropriate site for, and | | | | | Discuss the different |
| as some advantages and disadvantages of each Discuss the types, construction, advantages & disadvantages of the different types of cookware and stoves Explain the principles of santation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting as well as types of lighting and use of maps List & briefly explain the construction of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain the to select an appropriate site for, and | | | | | types of tent used as well |
| disadvantages of each Discuss the types, construction, advantages & disadvantages of the different types of cookware and stoves Explain the principles of sanitation and personal hygiene in a wildemess area Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wildemess search and rescue operations Explain the difference between simplex and repeater radio communication Explain hos oselect an appropriate site for, and | | | | | - - |
| Discuss the types, construction, advantages & disadvantages of the different types of cookware and stoves Explain the principles of sanitation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | _ |
| construction, advantages & disadvantages of the different types of cookware and stoves Explain the principles of sanitation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the functioning and correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, and limitations of using a GPS system Discuss the different communication systems available for wildernesses search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | _ |
| å disadvantages of the different types of cookware and stoves Explain the principles of sanitation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of mapps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photographs Explain the uses of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | 71 / |
| different types of cookware and stoves Explain the principles of sanitation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting as well as types of lighting equipment vauilable Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography and the correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | _ |
| cookware and stoves Explain the principles of sanitation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| Explain the principles of sanitation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Attimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | different types of |
| sanitation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | cookware and stoves |
| sanitation and personal hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | Explain the principles of |
| hygiene in a wilderness area Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| area Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | = |
| Discuss the importance of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections. Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| of lighting as well as types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography and the correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages, and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| types of lighting equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wildeness search and rescue operations Explain the difference between simplex and repeater radio communication Explain the difference between simplex and proporpriate site for, and | | | | | |
| equipment available Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness earch and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| Give a brief description of the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography and the correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| the history behind the making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography and the correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | Give a brief description of |
| making and use of maps List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | the history behind the |
| List & briefly explain the construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | - |
| construction of the common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | • |
| common map projections Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| Discuss the functioning and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| and correct use of magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| magnetic compasses Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | • |
| Discuss the value of aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| aerial photography and the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | • |
| the correct use of aerial photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | Discuss the value of |
| photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | aerial photography and |
| photographs Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | the correct use of aerial |
| Explain the uses of the following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | photographs |
| following additional items of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| of navigation equipment: Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| Star charts Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | • |
| Protractors Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| Altimeters Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| Discuss in detail how the global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| global positioning system (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | Discuss in detail how the |
| (GPS) operates Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | global positioning system |
| Discuss the advantages, disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| disadvantages and limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | ` ' ' |
| limitations of using a GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| GPS system Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| Discuss the different communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| communication systems available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | • |
| available for wilderness search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| search and rescue operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | available for wilderness |
| operations Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | search and rescue |
| Explain the difference between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| between simplex and repeater radio communication Explain how to select an appropriate site for, and | | | | | - |
| repeater radio communication Explain how to select an appropriate site for, and | | | | | |
| communication Explain how to select an appropriate site for, and | | | | | = |
| Explain how to select an appropriate site for, and | | | | | |
| appropriate site for, and | | | | | |
| | | | | | |
| | | | | | |
| set up a repeater site | | | | | set up a repeater site |
| 572 RULES AND REGULATIONS 2024 | F70 | | | DULEO AND D | ECH ATIONS 2004 |

| | | | 1 | |
|----------|---|----------|---|-------------------------------------|
| | | | | Explain the effectiveness |
| | | | | and correct use following |
| | | | | signalling devices: |
| | | | | Smoke grenades |
| | | | | International ground to |
| | | | | air panels |
| | | | | Lights |
| | | | | Heliographs |
| | | | | Pencil flares |
| | | | | Thousand foot vary flares |
| | | | | Air horns |
| | | | | Whistles |
| | | | | Discuss the importance |
| | | | | of proper nutrition during |
| | | | | wilderness operations |
| | | | | Explain the how to |
| | | | | |
| | | | | formulate and operate a |
| | | | | rationing system for food and water |
| | | | | |
| | | | | Explain how to locate |
| | | | | water in a wilderness |
| | | | | area |
| | | | | Explain the operating |
| | | | | principles, construction |
| | | | | and use of a distillery |
| | | | | Discuss methods of |
| | | | | purifying water in a |
| | | | | wilderness setting |
| | | | | Explain methods of |
| | | | | locating food in a |
| | | | | wilderness area |
| | | | | Discuss the identification |
| | | | | construction and |
| | | | | operating of simple traps |
| | | | | and snares |
| | | | | Discuss the correct |
| | | | | methods of transporting |
| | | | | & storing food & water |
| | | | | Making use of simple |
| | | | | diagrams explain the |
| | | | | construction of an |
| | | | | emergency shelter |
| | | | | Discuss the criteria one |
| | | | | needs to take into |
| | | | | account when selecting a |
| | | | | natural shelter |
| | | | | Discuss the criteria one |
| | | | | needs to take into |
| | | | | account when selecting a |
| | | | | camp site |
| | | | | Explain the various |
| | | | | methods of protecting a |
| | | | | camp site from invasion |
| | | | | Explain the grid |
| | | | | reference system for |
| | | | | navigation |
| <u> </u> | 1 | <u> </u> | | |

| | 1 | T 1 | ı | 1 | |
|-----|---|-----|---|---|---|
| | | | | | Calculate distances |
| | | | | | using the scale on a map |
| | | | | | Calculate the scale of a |
| | | | | | map or photograph using |
| | | | | | the known distances |
| | | | | | method |
| | | | | | Convert from decimal to |
| | | | | | statutory format for |
| | | | | | quotation of co ordinates |
| | | | | | Identify & name the |
| | | | | | - |
| | | | | | conventional signs used |
| | | | | | in conventional maps |
| | | | | | Read slope profiles, |
| | | | | | identify features and |
| | | | | | calculate gradients using |
| | | | | | contour lines |
| | | | | | Construct a cross section |
| | | | | | from one point to another |
| | | | | | utilising contour lines |
| | | | | | Calculate the vertical |
| | | | | | exaggeration of a cross |
| | | | | | section |
| | | | | | Discuss the map |
| | | | | | referencing system with |
| | | | | | regard to purchasing of |
| | | | | | maps |
| | | | | | Discuss care for, storage |
| | | | | | and transportation of |
| | | | | | maps |
| | | | | | Calculate mean and |
| | | | | | annual change in |
| | | | | | magnetic declination |
| | | | | | Calculate bearings, back |
| | | | | | bearings and triangulate |
| | | | | | position |
| | | | | | - |
| | | | | | Correctly orientate a map |
| | | | | | using features and |
| | | | | | magnetic bearing |
| | | | | | Correctly orientate a map |
| | | | | | / calculate ones positions |
| | | | | | using coordinates |
| | | | | | Discuss the principles of |
| | | | | | navigating by features |
| | | | | | Explain the differences |
| | | | | | and principles of night |
| | | | | | navigation |
| | | | | | Discuss the criteria / |
| | | | | | considerations one |
| | | | | | needs to take into |
| | | | | | account when planning a |
| | | | | | route |
| | | | | | Discuss methods of |
| | | | | | estimating time and |
| | | | | | distance |
| | | | | | |
| | | | | | Discuss the importance |
| | | | | | of physical and mental ability for wilderness |
| | | | | | ability for wilderfiess |
| 574 | | | | | EGULATIONS 2024 |

| | 1 | 1 | |
|---|---|---|----------------------------|
| | | | search & rescue |
| | | | operations |
| | | | Correctly pack a back |
| | | | pack |
| | | | Pitch a survival tent |
| | | | Safely & effectively use a |
| | | | gas stove or prima stove |
| | | | Correctly operate a |
| | | | compass and obtain |
| | | | accurate bearings |
| | | | Construct a cross section |
| | | | Correctly operate a |
| | | | satellite phone |
| | | | Correctly operate a |
| | | | simplex radio system |
| | | | Set up a repeater site |
| | | | Locate, purify and store |
| | | | water |
| | | | Manufacture & operate a |
| | | | distillery |
| | | | Build & operate a simple |
| | | | trap or snare |
| | | | Construct an emergency |
| | | | shelter |
| | | | Operate a heliograph |
| | | | signalling device |
| | | | effectively |
| | | | Accurately navigate and |
| | | | plan routes |
| | | | Function as a member of |
| | | | a wilderness search & |
| | | | rescue team |
| | | | Utilize a GPS system to |
| | | | navigate to a point |
| | | | Utilize a GPS system to |
| | | | backtrack along a route |
| | | | Utilize a GPS to mark a |
| | | | point for future use |
| | | | Use a map and compass |
| | | | to shoot bearings and |
| | | | triangulate your position |
| | | | Orientate your map using |
| | | | a compass and known |
| | | | features |
| | | | Effectively operate a |
| | | | GPS system |
| | | | Construct a cross section |
| | | | Safely operate a |
| | | | camping stove for |
| | | | heating water and or |
| | | | cooking purposes |
| | | | Purify dirty water for |
| | | | drinking |
| | | | Pack a backpack |
| | | | Make an intelligent |
| | | | selection of food, water |
| _ | | | |

| | | |
|------|------|---------------------------|
| | | and camping gear that |
| | | you will need for your |
| | | given task. |
| | | Calculate and report of |
| | | coordinates |
| | | Identify features |
| | | Formulate a search plan |
| | | correctly |
| | | Discuss interview |
| | | techniques and |
| | | questions |
| | | Discuss the importance |
| | | of written records |
| | | Explain the criteria |
| | | surrounding the selection |
| | | of a level of response |
| | | Discuss the function and |
| | | operation of a primary |
| | | field team |
| | | Explain the purpose of |
| | | callout procedures and |
| | | notification during a |
| | | rescue operation |
| | | Discuss the importance |
| | | of central correlation of |
| | | all information |
| | | Describe the various |
| | | search techniques |
| | | Discuss the principles of |
| | | clue finding and |
| | | probability of detection |
| | | Explain how to correctly |
| | | call off a search |
| | | Discuss the purpose of a |
| | | post incident debriefing |
| | | session |
| | | Explain the correct |
| | | method of establishing a |
| | | command post or search |
| | | management HQ |
| | | |

POSTGRADUATE DIPLOMA IN CLINICAL SIMULATION (E9CSMO)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|--------------|--------|-----------|-----------|-------|---------|-----------------------|----------------------|
| Adult | ASP01A | 100% | 0% | 8 | 24 | Module two aims to | At the end of this |
| Learning and | 0 | | | | | assist the learner in | module, the learner |
| Simulation | ASP01B | | | | | understanding | should be able to |
| Pedagogy | 0 | | | | | adult learning | apply adult learning |
| | | | | | | theories and their | theories to the |
| | | | | | | application to | construction and |
| | | | | | | simulation-based | application of |

| | | | | | | teaching, learning and assessment. The module also provides a theoretical framework and foundation for application and defence of an integrative approach to embedding simulation into the curriculum. | simulation-based learning experiences. |
|--|----------------------------|------|----|---|----|---|---|
| Clinical Simulation and Instructional Design | CSD01A O CSD01B O | 100% | 0% | 8 | 24 | This module focusses on the design and construction of simulation-based learning experiences and the appropriate application thereof. Students will be developed in all aspects associated with designing and facilitating simulation-based teaching, learning and assessment experiences. | At the end of this module, the learner should be able to design and implement simulation-based learning experiences using appropriate teaching, learning and assessment strategies. |
| Facilities and Resource Management | FRM01A O FRM01B O | 100% | 0% | 8 | 12 | In the facilities management module, the structure, functioning, storing and management of resources associated with simulation facilities will be addressed. This module also covers budgeting approaches for funding simulation technologies including health and safety considerations associated with operating | At the end of this module, the learner should be able to describe the core principles associated with the management of simulation facilities and related resources. |

| | | | | | | simulation | |
|--|-----------------------|----------|----------|---|----------|--|---|
| Introduction to Simulation | ITS01AO ITS01BO | 100% | 0% | 8 | 10 | Iaboratories. The Introduction to Simulation module focuses on the historical development of simulation as an activity/tool leading to its contemporary application in the field of health sciences education. Engagement with this module will develop the student's foundational knowledge on simulation. Such knowledge is required for critical reflection and scholarly discourse around the role and application of simulation for the development and assessment of clinical competence and | At the end of this module, the learner should be able to demonstrate a deep understanding of the development and application of clinical simulation as a strategy for health professions education. |
| Simulation Practices (Portfolio) | SIP01YO | 100% | 0% | 8 | 24 | This module focuses on the construction of a portfolio of evidence. It is an opportunity to provide the student an opportunity to showcase evidence that they have been able to meaningfully implement and integrate taught concepts mastered during the programme within their own teaching learning and assessment context. | At the end of this module, the learner should be able to design, implement and assess a simulated teaching activity. |
| Simulation and Research | SIR01A O SIR01B | 100% | 0% | 8 | 12 | This module involves the critical appraisal of | At the end of this module, the learner should be able to |
| E70 | | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | ECHI ATIONS 2024 |

| | | ı | 1 | | | | |
|---|----------------------------|------|----|---|----|--|--|
| | 0 | 1000 | | | 10 | research in the simulated environment. The module provides the student with an ability to meaningfully integrate current evidence informed findings within their teaching with an appreciation of the advantages and limitations associated with conducting research using simulation. | critically appraise research methodologies and approaches used in simulation contexts. |
| Simulation Technologies and Modalities | STM01A O STM01B O | 100% | 0% | 8 | 18 | The Simulation technologies and modalities module focusses on contemporary simulation technologies and current simulation modalities. The purpose of this module is to develop the students' understanding and applicability of modern simulation technologies and modalities. Principles of value and application will serve as a foundation for the student's ability to select and use appropriate technologies to support their use of technology in the simulation space and to enhance their personal, ongoing development as a simulation practitioner. | At the end of this module, the learner should be able to do describe and critically appraise current clinical simulation technologies and modalities with regard to their value and application. |

HS12.5 DEPARTMENT OF ENVIRONMENTAL HEALTH

BACHELOR OF ENVIRONMENTAL HEALTH (B9ENV1)

| Name | Code | SM | EM Weight | Level | Credits | Purpose | Outcome |
|------------------------|-------------|------|--------------|-------|---------|--|--|
| Air Quality Management | AQMEH 04 | 100% | 0% | 7 | 20 | The primary purpose of this module is to prepare students, to assume an effective advocator and change agent role in the community and industries, using a variety of tools and techniques. This module will equip students with some of the conceptual resources, analytical skills and empirical materials that are required to effectively manage environmental pollution. | At the end of this module, students should be able to do the following: Describe and define environmental pollution in terms of air quality. Describe the impact of pollution on environment, economy, social process, and human health. Comprehend the basic elements of air pollution and climate change that affect human health and diseases. Identify air pollution and differentiate various sources involved. Describe development of environmental pollution legislation, its delivery and implementation pre/post 1994. Demonstrate ability to analyse and criticize different pieces of environmental legislation. Conduct pollution investigation and undertake sampling using existing acceptable procedures. Analyse and interpret laboratory results and make appropriate recommendations. Demonstrate an |

| | | | | | | | understanding of the natural components of the atmosphere and the different effects that may result from pollution. 10. To understand the principles of intervention that will contribute to the effectiveness of the Environmental Health Practitioner's role within the community. |
|-------------------------------------|-------------|------|-----|---|----|---|---|
| Anatomy & Physiology | APENV0 1 | 100% | 0% | 6 | 20 | Anatomy and Physiology provide foundational knowledge for pathology and clinically related subjects. The content covered in this module includes an orientation of the human body; basic chemistry for Anatomy and Physiology; the cell and body tissues; skin and body membranes; the skeletal system; muscle; the nervous system and senses; the endocrine system; blood and the cardiovascular system, the respiratory system; the lymphatic system and body defenses; and the digestive-, urinary-, and reproductive systems. | Digestive systemNutrition and metabolismRespiratory system |
| Applied Communicatio s Skills | COM100 1 | 50% | 50% | 5 | 12 | This module is designed to develop your abilities with regard to effective communication within the context of the dynamic, modern social and work environment. | Introduction to Human Communication Perception, Self, and Communication Language and Meaning Nonverbal Communication Listening and |

| | | | | | | | Critical Thinking Interpersonal Communication Intercultural Communication |
|--------------|-------------|-----|-----|---|----|--|--|
| Biochemistry | BICH1A1 | 50% | 50% | 6 | 6 | The purpose is to gain an understanding of how molecules unite and associate to form large functional units and finally integral organisms that acquire and use energy and sustain their identity across generations. | Recognise and describe the four major types of molecules and three major types of polymers found in all living organisms Describe and explain the functions of the four major types of molecules and three major types of polymers found in all living organisms Describe and explain the flow of genetic information in living organisms Describe and explain the flow of genetic information in living organisms Describe and explain the role of enzymes in living organisms Recognise, describe and explain the flow of energy, carbon and reducing equivalents in the major metabolic pathways i.e. glucose metabolism, the citric acid cycle, electron transport and oxidative phosphorylation, fatty acid metabolism, photosynthesis and nitrogen metabolism |
| Chemistry | CETH1Y 1 | 50% | 50% | 5 | 12 | The primary purpose of this module is to develop the basic knowledge, understanding and practical skills of chemical principles and techniques of general chemistry as required for further modules in Environmental Health. | 1.1 Define matter. 1.2 List the three states of matter and their properties. 1.3 Distinguish between physical and chemical properties and changes. 1.4 Distinguish between elements, compounds and mixtures (homogeneous or heterogeneous). 1.5 Identify the most |

| | | | | | | | important subatomic particles. 1.6 Draw Bohr models of the first ten elements. 2.1 Define covalent and ionic bonds. 2.2 List the differences between covalent and ionic compounds. 2.3 Name and write formulae of covalent and ionic compounds as well as acids. 3.1 Balance chemical equations. 3.2 Differentiate between the four types of reactions. 3.3 Write equations representing the four types of reactions. 3.4 Define atomic mass, the mole and molar mass. 3.5 Interconvert between mass, mole and number of particles. 3.6 Calculate the percentage composition of elements in a |
|-------------------------------|-------------|------|----|---|----|--|---|
| Community Development 1 | CDENV0 2 | 100% | 0% | 6 | 15 | This module aims to develop skills that will enable students to promote the wellbeing of communities; and to develop skills needed to implement strategies to prevent ill health of people in their living, recreational and general environments. | compound. At the end of the module students should be able to: To profile an area / ward To be able to differentiate between a community needs, wants and available resources To be able to carry themselves professionally both in the office and in communities Be able to contribute positively to policies, government gazettes, regulations and acts in the environmental health profession To be able to fully execute |

| | | | | | | | environmental health intervention for the purpose of upliftment To be able to put together an information, education and communication material To be able to understand the various type of data collection and analysis techniques as well as monitoring and evaluation in communities |
|------------------------|-------------|------|-----|---|----|--|---|
| Computing Literacy | CSL01A 1 | 50% | 50% | 5 | 6 | The purpose of this module is to introduce students to general computer applications commonly used in financial services operations. Students will be equipped to use the Word Processing application to solve business problems, to use Presentation software and a Spreadsheet application. These skills are necessary for academic and financial industry application. | The study of the subject Computer Literacy must be used to enhance all your other subjects. It is an entry level subject, and you have to extract from the course what you need to develop further. |
| Disaster Management | DMENV0 4 | 100% | 0% | 8 | 10 | To learn theoretical and practical processes of disaster management (disaster management, response, and | Demonstrate phases of relief work before, during and after disaster Describe the major political, economic, social and cultural factors which affect |

| | | | | | | rocouoma) ===-1 | the multiplie beautiful of |
|--------------|--------|----------|------|---|----|---|--|
| Environment | EEENVO | 100% | 0% | 7 | 20 | recovery) and relate their interconnections, particularly in the field of the Public and Environmental Health aspects of the disasters. | the public health of a population during disasters • Understand the disaster cycle of preparedness, response, reconstruction and mitigation; • Define the factors that influence risks to a population from a hazard and steps which can minimize these risks; • Organize disaster/ emergency management functions, organizations, and activities using concepts and terms explained in the course. • Assess and address the impact of disasters on public health; • Adequately prepare for, respond to, recover from, and mitigate the adverse environmental health impacts of disaster; • Increase community, public and private sectors awareness of environmental health disaster management; • Develop and implement disaster. • Implement prevention strategies for survival in disaster times; • Manage the Public and Environmental Health aspects of the disasters Demonstrate their knowledge and competence in skills to assist the communities in responding to emergencies. At the end of the module |
| al | 3 | 10070 | 0 70 | ' | | to identify risk | students should be able |
| Epidemiology | | | | | | factors that can be | to: |
| | | <u>I</u> | | | | | |

| | 1 1 | T T | | |
|-----|-----|-----|---------------------|---|
| | | | averted or reduced | • Demonstrate the |
| | | | so as to prevent or | understanding of the |
| | | | reduce the risk of | theoretical content of |
| | | | future disease and | epidemiological |
| | | | promote public | principles as well as the |
| | | | health. | role of epidemiology in |
| | | | | public health. |
| | | | | Evaluate causal |
| | | | | associations in |
| | | | | epidemiological studies |
| | | | | using causal criteria |
| | | | | Calculate and interpret |
| | | | | basic measures of |
| | | | | disease occurrence |
| | | | | including incidence, |
| | | | | prevalence, morbidity |
| | | | | and mortality measures, |
| | | | | Calculate and interpret |
| | | | | the commonly used |
| | | | | measures of |
| | | | | association such as, |
| | | | | relative risk, odds ratio. |
| | | | | |
| | | | | • |
| | | | | appropriate study |
| | | | | designs used in |
| | | | | epidemiology and |
| | | | | display the ability to |
| | | | | present and interpret |
| | | | | epidemiological data. |
| | | | | Should demonstrate |
| | | | | the understanding of the |
| | | | | role of an |
| | | | | Environmental Health |
| | | | | practitioner in the |
| | | | | disposal of the dead |
| | | | | Identify causes of non- |
| | | | | communicable |
| | | | | diseases, their impact |
| | | | | on society and how they |
| | | | | could be prevented. |
| | | | | Should be able to |
| | | | | demonstrate the |
| | | | | knowledge how |
| | | | | diseases surveillance |
| | | | | strategies are |
| | | | | implemented locally and |
| | | | | at international level |
| | | | | Apply different |
| | | | | epidemiological |
| | | | | principles to specific |
| | | | | areas (toxicology and |
| | | | | epidemiology) |
| | | | | Describe how |
| | | | | epidemiological |
| | | | | methods and data can |
| | | | | be useful in planning, |
| | | | | |
| | | | | implementing, and evaluating public health |
| | | | | evaluating public ficalli |
| 586 | | | RULES AND R | EGULATIONS 2024 |

| | T | | <u> </u> | <u> </u> | T | | our cillones austains |
|---|----------|------|----------|----------|----|--|--|
| Environment al Health Management and Administration | EHMAA0 3 | 100% | 0% | 7 | 20 | The purpose of this module is to advance the learner's knowledge and skills that will enable them to apply to health policy formulation in South Africa including managerial legislation at national, provincial and local government levels; the health system plan of South Africa; stakeholders in the health sector; administrative processes of public administrative processes of public administration in practices; office practice management in the workplace and scientific report writing skills in the workplace in the | surveillance systems. Should be able to carry out an outbreak investigation as an independent practitioner or as part of an outbreak investigation team Describe the steps in the epidemiological approach to studying the relationships between exposure and disease or other relevant health outcomes. Critically analyse and interpret epidemiological literature considering the roles of chance, bias, and confounding as possible explanations for study findings. Perform a human health risk assessment Introduction to Environmental Health Management and Administration Skills for Good Office Practice The Dynamics of Public Health Administration in South Africa Environmental Health in context Legal aspects of health service rendering Dispute Resolution |

| | | | | | | workplace. | |
|---|-------------|------|----|---|----|--|---|
| Environment al Management (NEMA & EMI) | EMNME0 4 | 100% | 0% | 8 | 15 | The purpose of this module is to enable students to: apply legal tools in order to successfully prosecute offenders with regard to environmental legislation. This would include the role of local authorities in environmental compliance and enforcement in terms of the Constitution; Compliance and enforcement duties of local authorities in terms of national environmental legislation | Legal context for environmental management compliance and enforcement Environmental management inspector Environmental management compliance inspection and Investigation industry Environmental management enforcement and prosecution |
| Environment al Pollution: Water, Waste and Air | EPWWA0 | 100% | 0% | 7 | 15 | The purpose of this module is to introduce students drinking water quality, municipal waste management and indoor air pollution at household level, whether informal, rural, peri-urban or urban settings. | Define water pollution and interpret water pollution prevention legislation identify and link effects and categories of water pollutants to their sources Implement sound sampling routines for water monitoring and laboratory analysis for interpretation of water sample results Demonstrate knowledge of the various water treatment methods Understand and detect any shortcomings within a water purification/waste, water/sewage treatment processes Educate communities on how to purify drinking water at household level Understand and apply the SABS standards on water quality Identify various |

| | | | | | | | sources, define and explain waste and waste management Classify and analyse the composition and properties of municipal solid waste Understand the importance of a service standard within a municipality Demonstrate the importance of waste management and understanding of waste management processes Identify and recommend appropriate waste management equipment. Facilitate and engage communities to actively participate in waste matters. Distinguish between criteria pollutants and its associated health effects. Understand the relationship between contaminant sources, exposure pathways and receptors Describe and illustrate air pollution dispersion, types of models in Urban- rural climatic contrasts |
|-----------------------------|-------------|------|----|---|----|--|--|
| Food and Meat Hygiene | FMHEE H0 | 100% | 0% | 6 | 35 | The purpose of the module is to equip students with the knowledge and skills that they should apply in the food industry in terms of principles of general design and layout of food premises; and; equipment (Including abattoirs and farm dairies) and good hygiene practices and good manufacturing | Introduction to food and meat hygiene Food premises inspection Food premises: formal and informal Pathogens, hazards and changes in food Food poisoning Abattoir layout, practices and meat inspection |

| | | | | | | practices. | |
|----------------------------------|-------------|------|----|---|----|--|--|
| Food Processing and Safety | FPSEH0 3 | 100% | 0% | 7 | 20 | The purposes of the module are to enable students to understand the basic principles of the main methods of food processing, preservation and safety, Students will get familiar with methods such as canning, cooking, cold storage, pasteurization, aseptic processing, freezing and irradiation. After completing this module, students will be able to design corresponding methods of foods processing and safety, choose the right equipment and solve relevant application problems. Students will be able to apply the principles of ethics and professionalism, they will be able to apply the principles of ethics and professionalism, they will be able to develop and apply processes of information gathering during identification, evaluation, monitoring and control actions and to interpret and apply the appropriate legislation, standards and codes applicable to import, export, production and | Introduction to food processing and safety Principles of food processing and safety Methods of food processing and safety Food safety standards Food processing industries Factors that affect food safety in the food industry |

| | | | | | | processing within a given context. | |
|---------------------------------------|-------------|------|----|---|----|---|---|
| Food Safety Management | FSMEH0 4 | 100% | 0% | 8 | 20 | The purpose of the module is to equip students to: Portray the theoretical content of the requirements that a Food Safety Management System (FSMS) must consist of SANS/ISO 22000, SANS 10330, ISO/TS 22002-1. To be able to document a FSMS based on the requirements of the above-mentioned standards. Identify food safety hazards and to conduct a hazard analysis in accordance with the requirements of the standards To Be able to independently assess FSMS documentation compiled by food establishments and to compile a report indicating the outcomes of the assessment. Portray the rules of ethics appropriate to the evaluation of food establishments | Introduction to food safety management systems Strategic plan for food safety (WHO) Planning and implementing a food safety management system Management of prerequisite programmes for food safety Auditing of Food safety management systems Resource management for food safety Food safety Food safety communication |
| Infectious Disease Epidemiology | IDEEH02 | 100% | 0% | 7 | 15 | Enable you to understand the environment within which diseases occur by focusing on: The underlying factors (physical, biological, economic, social, psychological and political) that shapes the environment within | History and General Principles of Infectious Disease Epidemiology The Infectious Disease Process Prevention and Manage of Infectious Diseases Disease Control and Public Health Surveillance Epidemiology of Communicable Diseases |

| Introduction to Environment al Health | ITENV01 | 100% | 0% | 6 | 6 | which ill health occurs; Modes of transmission of disease causing agents; Significant clinical manifestations of ill health, and Prevention and control of these conditions or events As an Environmental Health Practitioner (EHP) in the making, your role within your future working environment will be largely influenced by activities aimed at the primary prevention and control of communicable diseases. The purpose of the module is to equip learners with knowledge on the | Epidemiology of Non-Communicable Diseases Epidemiology of Helminth Infections Healthcare-Associated Infections Epidemiology and Manage of Malaria Emerging and re-emerging infections Disease Role of social determinants infectious disease epidemiology within South African context Introduction to Professional Conduct and Ethics HPCSA |
|--|-------------|------|----|---|----|--|---|
| | | | | | | scope of practice of Environmental Health and to enable learners to understand the principles and importance of ethics and professionalism, as it is applicable to Environmental Health Practitioners and as set out by the Health Professions Council of South Africa (HPCSA). | requirements with reference to the Health Professions Act 56 of 1974 • Scope of Practice for Environmental Health • Environmental Health Health in Context • South African Ethnic Groups, Beliefs and Cultures |
| Management Practice | MPENV0 4 | 100% | 0% | 8 | 12 | The purpose of this module is to equip students with current issues and trends of management practices within the | Management Techniques Human Resource Management Financial Management Organizational |

| | | | | | | scope of Environmental Health. This course is career oriented, and assessments will mainly be based on the application of theory in line with practical application. | Development |
|--------------|-------------|-----|-----|---|----|--|--|
| Microbiology | MCBH1Y 1 | 50% | 50% | 5 | 20 | The module aims at preparing students to understand and discuss the standard principles of microbiology and provide students with the necessary knowledge and competence to conduct standard laboratory experiments in relation to the requirements of the Environmental Health program. | Understand and describe the interaction of microorganisms with the human population Understand how scientific theories are developed, refined, supported or refuted as new data or its interpretations become available. Understand the scope of microbial diversity Understand the application of microscopy to imaging microorganisms Understand the representative cell morphologies of prokaryotes Understand the cytoplasmic membranes, chemo taxis and transport Understand the microbial growth as the ultimate process in the life of a cell Understand the structures and purposes of basic components of prokaryotic and eukaryotic cells, especially macromolecules, membranes, and organelles Understand how these cellular components are |

| | | | | | | | used to generate and |
|---|-------------|------|----|---|----|---|--|
| | | | | | | | utilize energy in cells |
| Occupational Health and Safety: Chemical / Biological | OHSCB0 3 | 100% | 0% | 7 | 20 | The purpose of this module is to introduce students to the chemical and biological environments, and exposure monitoring of chemical substances and biological agents in the occupational setting. Secondly, to anticipate, recognize and identify any health and safety issues attributed to exposures within the working environment and know what control mechanisms to recommend. | At the end of this module, students should be able to: • Identify the departure point for an occupational hygiene program, • Evaluate the work environment for chemical toxicants and biological agents exposures, • Understand Industrial toxicology and the toxicological effects of toxicants, • Understand human physiological processes related to toxic chemical substances and biological agents, • Apply legislative concepts to control exposure to chemical and biological agents, • Recommend control actions for exposure related to chemical toxicants and biological agents. |
| Occupational Health and Safety: Management Systems | OHSMS 04 | 100% | 0% | 8 | 22 | The purpose of this module is to comprehensively introduce students' systems of controls and management for occupational exposure to physical, chemical, biological stressors. Secondly, to design systems of controls and management for occupational exposures. | At the end of this module, students should be able to: • Design health risk assessments for all occupational stressors, • Recommend medical surveillance programmes, • Design occupational hygiene survey to monitor occupational exposures, • Recommend appropriate ventilation controls for indoor chemical processes, • Design ergonomics programmes, Design, • Design best occupational health and safety programmes to reduce compensation-related financial costs for industries. |

| Occupational Health and Safety: Physical Stress | OHSPS0 2 | 100% | 0% | 7 | 20 | The purpose of this module is to introduce students to physical hazards in the occupational settings. Secondly, to recognize and identify any health and safety issues within the working environment and know what control mechanisms to recommend. | At the end of this module, students should be able to: • Implement strategies to ensure a safe and healthy environment in the workplace, • Identify, evaluate and monitor occupational physical hazards, and recommend appropriate control strategies. • Demonstrate knowledge of occupational physical stressors. • Maintain and control occupational health stressors. • Implement and apply appropriate norms and standards contained in the legislation. • Implement and apply the principles of Occupational health and safety legislation. • Communicate and negotiate best practices for health and safety with relevant fraternities. |
|---|-------------|------|-----|---|----|--|--|
| Physics | PHBH1Y 1 | 50% | 50% | 5 | 20 | The purpose of this module is to provide a factual knowledge of definitions, methods and principles in Physics, and provide a broad background knowledge of basic Physics to aid in the understanding and interpretation of future scientific and technological development and to acquire the following life skills such as identifying and solving problems, working in groups and communicating | Upon completion of this module, students should have an understanding of scientific measurement and calculations: units, scalars and vectors mechanics: kinematics in one and two dimensions, forces and Newton's laws of motion as well as the workenergy theorem hydrostatics: mass density, pressure, Pascal's principle, Archimedes' principle thermodynamics: temperature, thermal expansion, heat waves and sounds: the nature of waves, periodic waves, the nature of |

| | | | | | | effectively as is needed for Environmental Health. | sound, the speed of sound and the sound intensity • Electricity: electric forces and electric fields as well as the electric circuits. Experimental laboratory work will be conducted to aid delivery of these learning objectives |
|--------------------------------|----------|------|----|---|----|--|--|
| Planning for Built Environment | PFBEE0 2 | 100% | 0% | 6 | 12 | This module is intended as part of the acquisition of competence for all people who are involved in, or who intend to be involved in assessing, undertaking or administration of environmental health management projects, with a variety of organisations, be it government at various levels, private companies or nongovernmental organisations. Applied competence against all learning outcomes pursued in this module will enlarge the general understanding and technical insight of the successful student in the role of the built environment, housing, ecology and sanitation. This involves the effective planning of housing, provision of sanitation, selection of sites for building and evaluation and drawing of building plans according to building regulations | At the end of this module, you should be able to do the following: • Apply the relevant building legislation to plans and building structures and to make appropriate recommendations to improve plans (Range: Scrutinize plans, application processes, make recommendations on suitable drainage and factors relating to size, building materials, ventilation and structure). • Describe the different structures in buildings and structures (Range: residential and industrial premises) • Describe the provision of housing according to technical and social requirements, housing layout and space and density requirements. (Range: to be |

| | | | | | | and guidelines. Applications should reflect knowledge of the following fields of expertise: legislation, building structures, drainage, ecological effects and social and physical effects of poor housing provision | related to the most common problems including health, mental and social aspects Identify the requirements for healthy housing Describe the appropriate sanitation systems and their requirements (selection criteria for most suitable toilet system) |
|---|---------|------|----|---|----|---|--|
| Research Methodology: Biostatistics | RMBEHB3 | 100% | 0% | 7 | 10 | The purpose of the module is to introduce and prepare students studies to conduct research, from conception to analysing the data collected and understand, apply various data collection techniques as well as advantages and their disadvantages. | Students should be able to: Explain how research produces scientific knowledge Describe the phases in the research process. Differentiate between the qualitative and quantitative approaches. Describe the setting of the research aim and objectives in relation to prioritized needs and problems. Describe, select and design instruments used for data collection and measurement e.g. Questionnaire. Describe how the quality of data can be ensured from design, data collection and data analysis stage in the research process. (Data management) To perform descriptive and inferential statistics |
| Research Methodology: Module A | RMENVA2 | 100% | 0% | 6 | 8 | The purpose of the module is to equip the learner with skills and knowledge related to research | Introduction to Professional Conduct and Ethics Steps in a research process The Literature |

| | I | | | | 1 | | |
|------------------|-------------|------|-----|---|----|---|---|
| Pagarah | DDENIVO | 100% | 00/ | Ω | 30 | methods, theories and practices so as to be able to plan and participate formal and informal research in Environmental Health field. | review |
| Research Project | RPENV0 4 | 100% | 0% | 8 | 30 | Curriculum of this module is research based, of which the student will have one full year to complete the module. Formal research is undertaken as a requirement. The research project lays a sound foundation for any research project that in future might cross their path. It involves applying the principles that student have learned in the subject Research Methodology. In this module of research project, students are exposed to the basic concepts of research and definitions that are important to understanding the fundamental principles and constructs behind research such as purpose, methods and the various types of research. The Faculty Higher Degrees and Research Ethics Committees (FHDC and REC) have guidelines which outline the research proposal submission process for students | Student must be able to demonstrate an independent research skill and be able to follow all the steps necessary to complete their research. Students are further expected to demonstrate their presentation skills and be able to do their research without plagiarism. |

| Sociology 14 | SOC1AA | 50% | 50% | a | 16 | The course starte | Compare different |
|--|-------------|------|-----|---|----|---|---|
| Sociology 1A | SOC1AA 1 | 50% | 50% | 9 | 16 | The course starts off with examining the concepts Power and the State; we locate the discussion within the theoretical frameworks of the Functionalist, Weberian and Marxist perspectives on power and the state. × The second section of the module explores the concept of work, as a purposeful activity and the evolution of the concept of work. More importantly, we examine how work transforms society and is transformed by society. | Compare different approaches to power and the state Highlight key differences between Marxist, Weberian, and Functionalist frameworks Distinguish between the notion of the state and government Explain, using examples, the three different types of states Explain the problems related to the definition of work Critically discuss classical approaches to work, the labour process and unemployment Apply these theoretical questions to the contemporary world Understand what the Fourth Industrial Revolution means for the new world of work and Higher Education in South Africa Demonstrate these abilities in a structured and concise academic essay. |
| Sustainability Development & Ecology | SDEEH0 1 | 100% | 0% | 5 | 8 | To introduce the students to the concepts of sustainability and sustainable development, environmental planning, ecological fundamentals, environmental ethics, environmental and resource economics. It also introduces the fundamentals of Environmental | At the end of this module, you should be able to do the following: Define sustainable development Describe the link between environment and health Changing pressures on health and the environment Describe the ecological environment as a complex and dynamic system Describe and understand the abiotic and biotic components of the ecosystems Describe |

| | | | | | | Impact Assessment (EIA), Integrated Environmental Management (IEM), and Strategic Environmental Assessment (SEA) and focuses on spatial concepts and principles of spatial planning, issues such as land tenure, settlement layout and morphology and land use management, spatial development, environmental management, housing, local government, and land reform. | possible disasters or hazards that may impact negatively on the ecological environment Describe Environmental Impact Assessment (EIA) as a form of environmental management and planning tool Describe the legal aspects of sustainable development Describe actions that can be taken to promote sustainable development |
|------------------------------------|--------|------|----|---|----|---|---|
| Water Quality and Waste Management | WQAWM0 | 100% | 0% | 7 | 20 | The module aims to prepare students for the infection prevention related to Water Quality and Waste Management in healthcare setting, Secondly it aims to help students gain an understanding of healthcare associated infections (HCAI) including types of infections, organisms responsible, how this can be monitored, proper cleaning and disinfection protocols etc. This includes the aspects of antimicrobial resistance and resistance towards chemicals used in the cleaning | Understand the types of water in the healthcare facilities and how that will impact on staff and patient health. Understand the concepts of hygiene as it relates to hand, personal and the clinical environment. Discuss the occurrence and spread of E. coli (as indicator of faecal pollution) on surfaces in the various health settings. Demonstrate knowledge of the various hygiene related pathogens and the diseases they cause Distinguish between various forms of water related diseases and their impact on society Illustrate understanding of the |

| | <u> </u> | | | | <u> </u> | nrocco | distribution |
|--|----------|------|----|---|----------|---|--|
| | | | | | | process. | distribution of pathogens in communities and how this can be interrupted Demonstrate and understand the effective hand washing technique and the influence on water sampling Define a hazardous or toxic waste product. Discuss properties of hazardous waste. Describe how infectious, toxic or hazardous waste is being land filled. Know how to avoid waste generation than to treat or dispose of waste Determine whether or not a material must be considered infectious or hazardous chemical waste; Determine the correct hazard category. Analyse the components of hazardous waste by type; Sorting and separation of each and every component is necessary; |
| Water Quality and Waste Management | WQAWM0 | 100% | 0% | 8 | 20 | The purpose of this module is to equip the students with the knowledge that will enable them to explore through research the various technology options and innovation for sustainable water quality management and integrated waste management in various settings that protects both public health and the environment. | Discuss the characteristics, composition, supply, use and management of water Identify and explain the methods of on-site innovative water treatment technology Individual Accountability and Citizenship for sustainable water sources in South Africa Determine and explain the importance of the waste management hierarchy. Evaluate on the type |

| | |
|--|--|
| | and nature of wastes by interpreting the total volumes; and assessing the handling, storage, transportation and disposal methods to be adopted and the potential environmental and health impacts; • Assess the activities involved for the proposed and determine the type, nature and estimated volumes of waste to be generated; • Identify any potential environmental impacts from the generation of waste at the site; • Recommend appropriate waste handling and disposal measures / routings in accordance with the current legislative and administrative requirements, and; • Categorize waste material for disposal considerations. • Describe the |
| | handling and disposal measures / routings in accordance with the current legislative and administrative requirements, and; • Categorize waste |
| | considerations. • Describe the importance and factors affecting generation rates of waste. • Determine and |
| | compile the essential elements contain in a waste management plan • Classify and compare different methods of environmental education. |

MASTER OF PUBLIC HEALTH (M9EN3C)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|--|-------------|--------------|--------------|-------|---------|---|--|
| African Health System, Health and Environment al Politics and Management | AHSC2C 2 | 100% | 0% | g | 16 | The module explores the impact of existing health systems and the associated political environment on continental demographics, water, and ecosystems critical for human survival, health, food and energy. | Ability to compare and contrast the burden of disease between high-income countries and middle-income Identifying factors that contribute to disease prevalence among different income groups. Interpret and analyse epidemiological data to assess the distribution of major diseases and the burden of disease across different countries. Explore factors that impact health systems and discuss strategies to address these challenges. Evaluate the challenges of brain drain and workforce movement from public to private sectors in healthcare. Discuss the impact of social determinants on health outcomes and propose interventions to mitigate their effects on the healthcare system. Develop strategies for designing health system programmes to achieve global health targets and improve health system performance. |

| Emerging National and Continental Environment al Health Challenges | ENCC2C 1 | 100% | 0% | 9 | 16 | The modules aim to highlight the impact of emerging national and continental environmental health challenges on continental demographics, water, ecosystems critical for human survival, health, food & energy, etc. | Explain key (emerging) environmental and occupational health challenges at local, regional and global levels. Discuss the impacts of (emerging) environmental and occupational challenges on natural resources such as water, air, energy, plants and wildlife in relation to human health. Investigate the intricate relationships between human health and the environment at local, national, regional and global |
|--|-------------|------|----|---|----|--|---|
| | | | | | | | and global. - Evaluate management strategies for emerging environmental and occupational health challenges. - Design and implement management strategies for emerging environmental and occupational health |
| Environment al Epidemiology , Biostatistics and Research Methodologie s A | EEBCAC 1 | 100% | 0% | 9 | 10 | The module introduces and demonstrates the relevance of epidemiology, biostatistics and research methodologies to public health. It provides the foundation for public health surveillance and investigations. | challenges. - Apply scientific methodologies for conducting health risk and impact assessments based on WHO and other acceptable standards. - Analyse case studies with relevant scenarios and challenges in a country. - Enumerate, understand, mitigate and manage associated risks within the context of a country or region in question. |

| | FEDODO | 4000/ | 00/ | _ | 40 | | |
|--|-------------|-------|-----|---|----|---|---|
| Environment al Epidemiology , Biostatistics and Research Methodologie s B | EEBCBC 1 | 100% | 0% | 9 | 10 | The module introduces and demonstrates the relevance of epidemiology, biostatistics and research methodologies to public health. It provides the foundation to public health surveillance and investigations. | The relevance of epidemiology, relevant to environmental health practice can be demonstrated. The interpretation and critique of epidemiological research are applied. The choice of an appropriate study design; collection of data; the control of bias; analysis, confounding and the interpretation of results are applied appropriate to health risks. |
| Environment al Health Risk and Impact Assessment | EHRC2C 1 | 100% | 0% | 9 | 10 | The purpose of the module is to introduce Environmental Health Risk and Impact Assessment in the context of Public Health within a region or country's health system. | Apply scientific methodologies for conducting health risk and impact assessments based on WHO and other acceptable standards. Analyse case studies with relevant scenarios and challenges in a country. Enumerate, understand, mitigate and manage associated risks within the context of a country or region in question. |

| Health Promotion and Health Behaviour | HPBC2C 1 | 100% | 0% | 9 | 10 | The purpose of the module is to introduce Health promotion and health behaviour. | Articulate concepts and principles as well as core competencies of health promotion. Articulate health promotion theories and models with accepted health promotion values and outcomes. Explain the characteristics of "healthy" public policies. Discuss the roles of advocacy, enablement, mediation, health communication and social marketing in health promotion. Explain the concept of sustainability of health programmes. Articulate the health promotion theories, models, strategies and interventions for the prevention of various health challenges. Design and evaluate health promotion interventions for various health challenges. |
|--|-------------|------|----|---|----|---|---|
| Health Systems, Funding Modules and Health Economics | HSFC2C 2 | 100% | 0% | 9 | 16 | This module is designed to provide students with foundational knowledge in health economics, enabling them to interpret and appraise applied studies in the field. Students will learn how resources are mobilised, pooled, and used to finance healthcare strategies. The module also addresses public health reform, healthcare systems, and methods of hospital financing. It introduces diagnostic-related groupings as a methodology for | Understand healthcare markets, focusing on the basic concepts of health sector-specific economic valuation. Demonstrate an understanding of the role of government and health economists in planned health systems and markets as well as in addressing healthcare market failures. Demonstrate knowledge of local, national, and global health strategies in the context of health financing. Identify key characteristics of publicly funded health services and critique public funding models for healthcare. |

606

| | | | | | | budget appropriation and key health-related financial management issues. | Critique National Health Insurance (NHI) in the context of Universal Health Coverage (UHC). Explore Public Sector Payment Mechanisms and Methods for Revenue Collection Discuss solutions for improving public funding. Demonstrate an understanding of health economics through a review of case studies. |
|--|-------------|------|----|---|----|--|---|
| Principle and Practice of Environment al Health A | PPECAC 1 | 100% | 0% | 9 | 10 | The purpose of the module is to introduce Environmental and Occupational Health in the context of Public Health within a region or country's health system. | Contextualise Public Health within a region and the relevant countries' health systems, with specific focus on Environmental Health. |
| Principle and Practice of Environment al Health B | PPECBC 1 | 100% | 0% | 9 | 10 | This module evaluates and debates occupational and environmental health programs/systems with reference to strengths, weaknesses, core values, ethos of current health reforms and global public health priorities. | Evaluate and debate occupational and environmental health programmes/systems with reference to strengths, weaknesses, core values, ethos of current health reforms and global public health priorities. |
| Minor Dissertation A | EMDCA C2 | 100% | 0% | 9 | 2 | The module aims to introduce research methods, specifically emphasising their application in Environmental and Occupational Health. | - Identify and articulate research problems relevant to E&OH and formulate a clear and concise research topic Develop the ability to provide a comprehensive introduction and background, literature review, contextual information and |

| | | | | | | | theoretical frameworks. - Understand the importance of defining the research's purpose, significance, and justification; explain the relevance and potential impact, and justify the need for further investigation. - Develop a concept note comprising key components i.e. research problem, objectives, methodology, expected outcomes, and potential |
|----------------------------|-------------|------|----|---|---|---|---|
| Minor Dissertation B | EMDCB C2 | 100% | 0% | 9 | 2 | The module introduces the foundational elements of the research process, from theoretical exploration to practical application. | mplications. Compile research questions using the SMART principle (i.e. specific, measurable, achievable, relevant, and time-bound). Articulate the overarching aim that is aligned with the research questions and objectives. Develop objectives that delineate the outcomes of the research. Understand the role of hypotheses in guiding research design, data collection, and data analysis processes. Develop a literature search strategy to identify relevant scholarly sources and empirical studies related to the research topic. Critically evaluate and synthesise existing literature to inform the theoretical and conceptual framework of the research study, where applicable. Define the scope and boundaries of the research through careful delimitation considering the |
| 608 | | | | | | NOLLO AND IN | EGULATIONS 2024 |

| | | l | | | 1 | | 1. (* |
|----------------------------|-------------|----------|----|---|----------|---|--|
| | | | | | | | population demographics, geographical location, time frame, and methodological constraints to ensure the feasibility and rigour of the research. |
| Minor Dissertation C | EMDCC C2 | 100% | 0% | 9 | 2 | This module provides key considerations and methods involved in selecting and designing research studies in the context of Environmental and Occupational Health. | Differentiate between various research study designs, understanding their strengths, limitations, and applications. Understand the importance of selecting an appropriate study site. Identify and define the target study population. Select study participants to ensure the representativeness and generalisability of the research findings. Define the exposure and outcome variables enabling hypothesis testing and data analysis. Learn about the difference between probability and non- probability sampling techniques. Estimate the sample size to achieve adequate statistical power and precision. |
| Minor Dissertation D | EMDCD C2 | 100% | 0% | 9 | 2 | This module aims to equip students with knowledge and skills related to data collection instruments and to empower them to critically evaluate their strengths and limitations. | Understand the differences between quantitative and qualitative data collection approaches and well as the difference between primary and secondary data sources. Learn key concepts and principles related to data collection (i.e. data quality, reliability, validity, availability and accessibility). Understand the purpose of using existing datasets, |
| 609 | I . | <u> </u> | 1 | 1 | <u> </u> | RULES AND R | EGULATIONS 2024 |

| | 1 | | | | | | |
|----------------------------|-------------|------|----|---|---|---|---|
| | | | | | | | surveys, interviews, focus groups, etc. - Creating the appropriate data collection instrument/s (e.g. surveys, questionnaires, interview guides, and observation forms) that align with the proposed research. - Develop proficiency in categorising research variables into independent, dependent, confounding and control variables. - Compile data analysis plans tailored to the research objectives. |
| Minor Dissertation E | EMDCE C2 | 100% | 0% | 9 | 2 | This module's purpose is to equip students with the necessary skills and knowledge to effectively plan, budget, and ethically conduct research in the field of Environmental and Occupational Health. | Create realistic and achievable timelines for executing the research. Understand the financial aspects of research, including budget development, cost estimation and resource allocation. Understand ethical issues inherent in environmental and occupational health research and identify those specific to the proposed research. Prepare and submit the research protocol for Departmental Research Committee (DRC) review and approval following institutional guidelines. |
| Minor Dissertation F | EMDCF C2 | 100% | 0% | 9 | 2 | The module aims to guide students through finalising their research proposals, obtaining approval from the Faculty of Health Sciences Higher Degrees Committee (FHDC) and the Research RULES AND R | - Refine and finalise the protocol based on feedback from DRC, ensuring completeness, coherence, and clarity in preparation for submission to the FHDC and REC Submit the final approved protocol with |

| | | | | | | Ethics Committee (REC), and drafting the initial chapters of their mini dissertations. | FHDC application form. - Prepare and submit final approved protocol and relevant REC application form to the REC for ethical review and approval. - Drafting of Chapters 1 to 3 of the mini dissertation. |
|----------------------------|-------------|------|----|---|----|---|--|
| Minor Dissertation G | EMDCG C2 | 100% | 0% | 9 | 16 | This module aims to guide students in assessing the validity and reliability of selected data collection instruments. | Understand the purpose and significance of pilot studies, the planning and execution thereof, including their role in assessing the feasibility, validity and the reliability of data collection instruments. Process the data collected from the pilot study to evaluate the validity and reliability and identify areas for refinement or improvement. Develop plans for data collection, including participant recruitment and quality assurance measures prior to data collection. |
| Minor Dissertation H | EMDCH C2 | 100% | 0% | 9 | 16 | This module guides students through the final stages of their research project, focusing on data quality and analysis using appropriate statistical methods and interpretation of their findings. | techniques for data cleaning to ensure the integrity of their dataset for analysis. Learn about coding and transforming variables as necessary, ensuring compatibility with statistical software and analysis techniques. Conduct data analysis using appropriate statistical methods, such as descriptive statistics, inferential statistics, regression analysis, or qualitative data analysis techniques, depending on the nature of the research. Learn the art of writing up research findings in a clear and concise manner, |

| | 1 | 1 | | | | | |
|-------------------------|----------|------|----|---|----|--|---|
| Minor Dissertation I | EMDCIC 2 | 100% | 0% | Ø | 16 | This module aims to prepare students for examination and enable them to prepare a draft manuscript of their research findings. | presenting descriptive statistics, tables, figures and other visual aids to illustrate key findings. Interpret the findings in the context of existing literature, theoretical frameworks, and objectives, emphasising the significance and implications for environmental and occupational health practice and policy. Critically evaluate the strengths and limitations of the research methods, data collection procedures, and analytical approaches, considering bias, reliability, validity, and generalisability factors. Draw conclusions from the findings, highlighting key insights, implications, and areas for further research. Provide recommendations for practice, policy, or future. Draft Chapters 4 and 5 of the mini dissertation, synthesising the above into a cohesive and scholarly document meeting the requirements of academic standards. Collaborate with supervisor/s to finalise the minor dissertation in accordance with the institution's guidelines. Engage an external editor to review the dissertation, focusing on grammar, punctuation, clarity, and coherence to enhance the overall quality and |
| | | | | | | | punctuation, clarity, and coherence to enhance the overall quality and readability. |
| 642 | | | | | | DITES AND D | Generate aTurnItIn or a similar AIand plagiarism |
| 612 | | | | | | KULES AND R | EGULATIONS 2024 |

| | detection software |
|--|----------------------------------|
| | report verifying the |
| | originality and |
| | authenticity of their |
| | work. |
| | Complete all |
| | necessary examination |
| | forms and paperwork |
| | and submitted for |
| | examination. |
| | – Draft a |
| | publication of the |
| | research findings into a |
| | concise and scholarly |
| | format suitable for |
| | submission to scientific |
| | journals for potential |
| | publication. |

HS12.6 DEPARTMENT OF MEDICAL IMAGING AND RADIATION SCIENCES (MIRS)

BACHELOR OF DIAGNOSTIC RADIOGRAPHY (B9M01Q) BACHELOR OF DIAGNOSTIC ULTRASOUND (B9M03Q) BACHELOR OF NUCLEAR MEDICINE (B9M02Q) BACHELOR OF EADIATION THERAPY (B9M04Q)

| ame | ode | M Veight | M /eight | -evel | redits | urpose | utcome |
|-----|-----|-------------|-------------|-------|--------|--------|------------|
| Z | O | ഗ ≤ | ш 🗲 | | C | | l O |

| Anatomy and | ANP01Y1 | 100% | 0% | 5 | 12 | The module will | On completion of |
|--------------|---------|------|----|---|----|---|--|
| Physiology 1 | | | | | | enable students to | this module a |
| | | | | | | gain the relevant | student should be |
| | | | | | | anatomy and physiological | able to: |
| | | | | | | background | 1. Identify and |
| | | | | | | applicable to MIRS in | solve problems in which responses |
| | | | | | | the following topics: | which responses demonstrate that |
| | | | | | | Terminology, Basic Chemistry, The Cell, | responsible |
| | | | | | | Basic Histology, | decisions using |
| | | | | | | Skeletal system, | critical and creative thinking have been |
| | | | | | | Osseous Tissue, | made regarding |
| | | | | | | Female Reproductive system, Endocrine | basic Biological |
| | | | | | | system, Nervous | concepts. |
| | | | | | | system, Special | 2. Work effectively |
| | | | | | | senses, Cardiovascular | with others as a |
| | | | | | | system, Respiratory | member of a team, group, organisation |
| | | | | | | system, and | or community by |
| | | | | | | Digestive system. | means of project |
| | | | | | | | presentations. |
| | | | | | | | 3. Organise and |
| | | | | | | | manage oneself |
| | | | | | | | and one's activities responsibly and |
| | | | | | | | effectively by the |
| | | | | | | | attendance of |
| | | | | | | | lectures and self- |
| | | | | | | | study. |
| | | | | | | | 4. Collect, analyse, |
| | | | | | | | organise and critically evaluate |
| | | | | | | | information by |
| | | | | | | | means of |
| | | | | | | | preparation of the project. |
| | | | | | | | |
| | | | | | | | 5. Communicate effectively using |
| | | | | | | | visual, |
| | | | | | | | mathematical |
| | | | | | | | and/or language |
| | | | | | | | skills in the modes |

| | | | | | | | of an oral and written project presentation. 6. Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different Anatomical/Physiol ogical/Biological concepts. |
|--------------------------|---------|------|----|---|----|---|--|
| Anatomy and Physiology 2 | ANP01Y2 | 100% | 0% | 5 | 12 | The module will enable students to gain the relevant anatomy and physiological background applicable to MIRS in the following topics: Integumentary system, Lymphatic and Immune systems, Support and movement (musculoskeletal system), Male Reproductive system, Urinary system | On completion of this module a student should be able to: 1. Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Biological concepts. 2. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. 3. Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. 4. Collect, analyse, organise and critically evaluate information by means of preparation of the project. |

| | | | | | | | 5. Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. 6. Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different Anatomical/Physiol ogical/Biological concepts. |
|-----------------|---------|-----|-----|---|----|---|---|
| Applied Physics | APP01Y1 | 50% | 50% | 5 | 12 | Science module The purpose of this module is to provide a factual knowledge of definitions, methods and principles in Physics, and provide a broad background knowledge of basic Physics to aid in the understanding and interpretation of future scientific and technological development and to acquire the following life skills such as identifying and solving problems, working in groups and communicating effectively as is needed for the various disciplines in Radiography. | On completion of this module a student should be able to: 1. Describe Bohr's atomic model and its application in explaining the spectra of atoms. 2. State basic laws of electrostatics and current electricity and solve basic problems relating to electric circuits. 3. Describe the basic concepts that govern the magnetic effect of an electric current and perform calculations relating to these topics. 4. Define the physical quantities and concepts related to sound waves and geometrical optics |

| | | | | | | | as well as their |
|---------------------|---------|------|----|---|----|--|--|
| | | | | | | | uses in medicine. |
| | | | | | | | 5. Define the physical quantities and state the laws related to heat and gases and solve problems related to heat. |
| Applied Psychology | APY01Y3 | 100% | 0% | 7 | 12 | The purpose of this module is to provide the student with knowledge of the overall and specific goals typical of communication in health practice; the importance of nonverbal elements of interactions, listening and awareness of various environments affecting health care. Additionally, the realities of specific aspects of communication such as conflict, cultural variations, misunderstandings and ethical issues will be explored. | On completion of this module a student should be able to: 1. Recognize the significance of effective interpersonal communication in the health professional. 2. Achieve effective communication by developing awareness within the health profession 3. Manage the realities of communication (conflicts, ethical issues and cultural |
| Diagnostic | DCP01Y1 | 100% | 0% | 6 | 24 | The primary purpose | variations) as a health professional On completion of |
| Clinical Practice 1 | | | | | | of this module is to progress on the knowledge, skills and experience that the student had obtained in first year. A student who passes this module will be able to function efficiently and responsibly, under supervision, within the health care team to produce quality radiographic images, assist with radiographic procedures and care for patients consistent with this level of training and education. The term | this module a student should be able to: 1. Perform routine and supplementary radiographic procedures to produce images of diagnostic quality pertaining to anatomical areas included in the 1st year syllabus. 2. Evaluate the quality of routine and supplementary radiographic images and perform image |

| | | | | | | care will be approached in a holistic fashion with the incorporation of bioethics, patient rights, human rights, the UJ-student charter and social determinants of health. | interpretation to identify normal and abnormal appearances. 3. Perform safe and effective patient care in accordance with the patient's needs and departmental protocol to provide a quality service and to maintain the welfare of the patient. 4. Apply the principles of human rights, ethics and relevant medical law which ensure the well-being of the patient. 5. Apply the social determinants of health to promote patient centred care. |
|--------------------------------------|---------|------|----|---|----|--|--|
| Diagnostic Clinical Practice 2 | DCP01Y2 | 100% | 0% | 7 | 30 | The primary purpose of this module is to progress on the knowledge, skills and experience that the student had obtained in first year. A student who passes this module will be able to function efficiently and responsibly, under supervision, within the health care team to produce quality radiographic images, assist with radiographic procedures and care for patients consistent with this level of training and education. The term care will be approached in a holistic fashion with the incorporation of bioethics, patient rights, human rights, | On completion of this module a student should be able to: 1. Communicate effectively with members of a multidisciplinary team and the patient and their family members. 2. Optimal patient care is demonstrated before, during and after imaging process. 3. Radiographic images are evaluated in a theoretical context for diagnostic quality according to relevant evaluation criteria and to ensure that the |

| | | | | | | the UJ-student charter and social determinants of | images conform to the medico-legal requirements. |
|--------------------------------------|---------|------|----|---|----|---|---|
| | | | | | | health. | 4. Images are evaluated for normal and abnormal radiographic appearances by applying integrated knowledge of anatomy, physiology and pathology in a theoretical and/or simulation context. 5. A patient's clinical condition is assessed, and appropriate action taken when needed. |
| Diagnostic Clinical Practice 3 | DCP01Y3 | 100% | 0% | 7 | 24 | The purpose of this module is to develop and build on the clinical competencies learnt in Diagnostic Clinical Practice 2 and required in a Diagnostic Radiographer in the Radiology Department. | On completion of this module a student should be able to: 1. Discuss and demonstrate appropriate patient care for the procedures. 2. Communicate effectively with members of a multidisciplinary team and the patient and their family members. 3. Write a reflective report. 4. Discuss the attributes required in aprofessional diagnostic radiographer. 5. Demonstrate clinical competency for the procedures presented in this module, Diagnostic Practice 3 and Specialised |

| | | | | | | | Diagnostic Practice 3. |
|--------------------------------------|---------|------|----|---|----|---|---|
| Diagnostic Clinical Practice 4 | DCP01Y4 | 100% | 0% | 8 | 24 | The purpose of this module is to develop and build on the clinical competencies learnt in Diagnostic Clinical Practice 3 and required in a Diagnostic Radiographer in the Radiology Department | On completion of this module a student should be able to: 1. Discuss and demonstrate appropriate patient care for the procedures. 2. Communicate effectively with members of a multidisciplinary team and their family members. 3. Write a reflective report. 4. Discuss the attributes required in aprofessional diagnostic radiographer. 5. Demonstrate clinical competency for the procedures presented in this module, Diagnostic Practice 4 and Specialised Diagnostic Practice 4 |
| Diagnostic Practice 1 | DIP01Y1 | 100% | 0% | 6 | 24 | The primary purpose of this module is to equip the student with basic theoretical knowledge and clinical skills pertaining to diagnostic radiographic practice and to allow the student to undertake radiographic procedures under supervision, within the healthcare team. The student will be able to produce quality radiographic images and provide | On completion of this module a student should be able to: 1. Perform routine and supplementary radiographic procedures to produce images of diagnostic quality pertaining to anatomical areas included in the 1st year syllabus-Basic radiographic terminology, Chest, Abdomen, Upper limb, Shoulder |

| | | | | | | care for the patient consistent with this level of training and education. The term care will be approached in a holistic fashion with the incorporation of bioethics, patient rights, human rights, the UJ-student charter and a basic understanding of the social determinants of health. | girdle and Lower limb 2. Evaluate the quality of routine and supplementary radiographic images and perform image interpretation to identify normal and abnormal appearances. 3. Perform safe and effective patient care in accordance with the patient's needs and departmental protocol to provide a quality service and to maintain the welfare of the patient. 4. Apply the principles of human rights, ethics and relevant medical law which ensure the well-being of the patient. 5. Apply the social determinants of health to promote patient centred care. |
|--------------------------|---------|------|----|---|----|--|--|
| Diagnostic Practice 2 | DIP01Y2 | 100% | 0% | 6 | 30 | The primary purpose of this module is to progress on the knowledge, skills and experience that the student had obtained in first year. A student who passes this module will be able to function efficiently and responsibly, under supervision, within the health care team to produce quality radiographic images, assist with radiographic procedures and care for patients | On completion of this module a student should be able to: 1. Perform routine and supplementary radiographic procedures to produce images of diagnostic quality pertaining to anatomical areas included in the 2nd year syllabus - Pelvis and upper femur; chest pathology; bony |

| | | | | | | consistent with this level of training and education. The term care will be approached in a holistic fashion with the incorporation of bioethics, patient rights, human rights, the UJ-student charter and social determinants of health. | thorax; Spine; Skull and facial bones. 2. Evaluate the quality of routine and supplementary radiographic images and perform image interpretation to identify normal and abnormal appearances. |
|--------------------------|---------|------|----|---|----|--|---|
| | | | | | | | 3. Perform safe and effective patient care in accordance with the patient's needs and departmental protocol to provide a quality service and to maintain the welfare of the patient. 4. Apply the principles of human rights, ethics and relevant medical law which ensure the well-being of the patient. 5. Apply the social determinants of health to promote patient centred care. |
| Diagnostic Practice 3 | DIP01Y3 | 100% | 0% | 7 | 24 | The primary purpose of this module is to build on knowledge, experience and skills gained from Diagnostic Practice and Diagnostic Clinical Practice 1 and 2. This module enables you to function efficiently and responsibly, under supervision, within the health care team to produce diagnostic radiographs of consistently good quality. | On completion of this module a student should be able to: 1. Explain and discuss the radiographic procedures included in this module - Facial bones, dental radiography, orthopantomograp hy, contrast media, urinary, female reproductive and alimentary system |

| | | | 2. Apply, integrate and analyse theory to/into clinical setting to ensure diagnostic radiographic images are produced in accordance with image evaluation criteria |
|-----|--|----------------|--|
| | | | 3. Apply a holistic approach that considers radiation science principles, anatomy, physiology and pathology to ensure adherence to the ALARA principle and justification and limiting of ionising radiation. |
| | | | 4. Apply knowledge of radiographic anatomy and pathology to assess radiographic images in terms of pattern recognition to distinguish between normal and abnormal appearances. |
| | | | 5. Explain and discuss contrast media used in radiographic procedures in terms of use, indications, contraindications and medicolegal implications |
| | | | 6. Explain, discuss and apply emergency protocols in the advent of adverse reactions |
| 623 | | RULES AND REGI | 7. Apply bioethical and human rights principles to ensure patient care, |

| Diagnostic Practice 4 | | | | | | | effective teamwork and professionalism. |
|-----------------------|---------|------|----|---|----|---|---|
| | DIP01Y4 | 100% | 0% | 8 | 24 | module is to build on the learning in Diagnostic Imaging Practice 1, 2 & 3 and Diagnostic Clinical Practice 1,2 & 3. The examinations and procedures learnt in this module will enable you to function optimally in the clinical practice to produce quality imaging with a patient centred approach. The role of the diagnostic radiographer in interprofessional situations will be taught within this module to enable collaboration in the South African healthcare | this module a student should be able to: 1. Explain and discuss the radiographic procedures included in this module. 2. Apply, integrate and analyse theory to/into clinical setting to ensure diagnostic radiographic images are produced in accordance with image evaluation criteria 3. Apply a holistic approach that is patient centred and considers radiation science principles, anatomy, physiology and pathology to ensure adherence to the ALARA principle and justification of an examination and limiting of ionising radiation. 4. Apply knowledge of radiographic anatomy and pathology to assess radiographic images in terms of pattern recognition to distinguish between normal and abnormal appearances. 5. Explain and discuss contrast media used in |

| | | | | | | | procedures in terms of use, indications, contraindications and medico- legal implications 6. Apply bioethical and human rights principles to ensure patient care, effective teamwork, interprofessional collaboration and professionalism. |
|---------------------|---------|------|----|---|----|--|---|
| Education in Health | EIH01Y4 | 100% | 0% | 8 | 24 | The purpose of this module is to develop theoretical knowledge and competencies for clinical educators within the medical imaging and radiation science's context of work-integrated learning. | On completion of this module a student should be able to: 1. Articulate the value, benefits and challenges of WIL in the higher educational context of medical imaging and radiation sciences program. 2. Compose a sound work placement program for WIL incorporating all related resources. 3. Design concrete examples of how Kolb's experiential learning theory would be applied in the context of your workplace to inform the design of work related learning outcomes, lesson plans and assessments. 4. Contextualize the strategies for an effective WIL program to your practice and explain how each would be implemented. |

| | | | | | | | 5. Evaluate the role of simulation in health sciences education. |
|-------------------------|---------|------|----|---|----|---|--|
| Imaging Informatics | IMT01Y4 | 100% | 0% | 8 | 24 | The purpose of this module is to enable the student to function in the radiology | On completion of this module a student should be able to: |
| | | | | | | environment in the use of PACS, RIS and HIS. Under supervision use PACS, RIS and HIS with regard to the | 1. Demonstrate an understanding of the role of IT in the radiology environment. |
| | | | | | | POPI Act and bioethical principles | 2. Explain the role of PACS, RIS & HIS within the Healthcare sector. |
| | | | | | | | 3. Discuss the ethical principles for PACS, RIS and HIS and the POPI Act. |
| | | | | | | | 4. This module requires you to fully engage with the PACS Administrators and IT personnel to apply your knowledge of PACS, RIS and HIS in clinical practice. |
| Imaging Technology 1 | IMT01Y1 | 100% | 0% | 5 | 12 | The purpose of this module is to introduce you to the basic concepts and principles of imaging | On completion of this module a student should be able to: |
| | | | | | | technology used in radiographic imaging. After completion of the study units, you will have both | 1. Describe radiation and its discovery. |
| | | | | | | practical and theoretical knowledge of how radiographic images are formed and recorded. | 2. Define the principles of radiographic image formation in order to adjust the correct factors in obtaining a diagnostic x-ray image. |

| Imaging Technology 1 | IMT02Y1 | 100% | 0% | 5 | 12 | The purpose of this module is to introduce the student to the physical principles of diagnostic ultrasound, and its interactions with human tissue, which allow its use as a valuable diagnostic imaging modality. The mastering of these principles, combined with the knowledge of ultrasound equipment, will develop a student who can operate the equipment competently and safely in the production of high quality diagnostic images. This module will form a basis for application in the clinical context. | On completion of this module a student should be able to: 1. Analyze the principles of ultrasound physics, which will allow application in the clinical context. 2. Demonstrate the principal components of medical ultrasound units. 3. Link the scientific knowledge of physics principles to the equipment for the production of quality ultrasound images. 4. Assess the sonographic image for technical quality and determine any |
|-------------------------|---------|------|----|---|----|--|--|
| Imaging Technology 2 | IMT01Y2 | 100% | 0% | 6 | 24 | The purpose of this module is to build on the knowledge gained from imaging technology 1, and to introduce you to the more advanced concepts and principles of radiographic imaging. It gives you a basic understanding of digital imaging and its components, application of exposure techniques and image evaluation, principles of fluoroscopy, | necessary improvements. 5. Relate the known bio-effects of ultrasound in human tissue to potential bio-hazards. On completion of this module a student should be able to: 1. Acquire knowledge and understanding of Computed Radiography (CR) and Digital Imaging systems and apply principles of digital image formation, latent image processing and adequate image post-processing. 2. Apply the principles of |

| | | | | | | computered tomography (CT) and magnetic resonance imaging (MRI). | radiographic image formation for static and dynamic imagings in order to adjust the correct factors. Analyse the diagnostic x-ray image and the impact of the delivered dose to the patient. |
|---|---------|------|-----|---|----|--|--|
| Management Principles and Practice | MPP01Y3 | 50% | 50% | 7 | 24 | CBE module The purpose of this module is to introduce the student to the main themes and concepts of Business Management. The lectures, discussions and prescribed reading are designed to enable the students to understand and analyse these concepts in a practical manner. | On completion of this module a student should be able to: 1. Describe and explain the business environment 2. Understand the principles of planning and strategy formulation 3. Analyse and understand ethics and corporate social responsibility 4. Apply planning and decision-making aids 5. Describe and understand the human resource (HR) management function in the organisation |
| Nuclear Medicine Clinical Practice 1 | NCP01Y1 | 100% | 0% | 6 | 24 | The purpose of this module is to enable the student to disseminate good imaging practice. This is achieved by effectively practicing patient care and management, data acquisition of the prescribe organs including basic data manipulations and | At the end of this module the student should be able to do the following: 1. Discuss and demonstrate appropriate patient care for the procedures prescribed for this module. |

| Nuclear Medicine Clinical Practice 2 NCP01Y2 N | | | | | | | general hot laboratory management and elution of a generator. | Communicate effectively with members of a multidisciplinary team and the patient and their family members. Demonstrate clinical competency for the procedures presented in this module. |
|--|----------------------|---------|------|----|---|----|---|---|
| | Medicine Clinical | NCP01Y2 | 100% | 0% | 7 | 30 | module is for the student to disseminate good imaging practice. This is achieved by effectively practicing patient care and management, data acquisition of the prescribe organs including data manipulations where applicable and general hot laboratory management and preparation of radionuclides | module, the student should be able to: 1. Apply effective patient care and management before, during and after nuclear medicine investigative studies and treatments 2. Perform effectively all the prescribed imaging procedures and associated requirements to effectively produce diagnostic results for the management of patients referred to Nuclear Medicine 3. Function effectively in the nuclear medicine laboratories. You will be assessed as competent if you can demonstrate that: - Proper protocols and procedures are executed for patient preparation and care - Patient administration |

| | | | | | | | after are properly managed for the wellbeing and further management of the patient - Good communication with complementary departments, as well as within the |
|------------------------|---------|------|----|---|----|--|---|
| | | | | | | | department, is maintained for the smooth running of the department |
| | | | | | | | - Appropriate acquisition protocols, patient position, procedures and final information presentations are selected and produced for optimum results in the management of patients and image 4. Operate and perform quality control programmes in Nuclear Medicine department for |
| Nuclear Medicine | NCP01Y3 | 100% | 0% | 7 | 24 | The purpose of this module is for you to | optimum function. At the end of this module, the student |
| Clinical Practice 3 | | | | | | disseminate good imaging practice. This is achieved by effectively practicing patient care and management, data acquisition and reconstruction of the prescribe organs and general radiopharmacy | should be able to: 1. Discuss and demonstrate appropriate patient care for the procedures prescribed for this module. 2. Communicate effectively with |
| 630 | | | | | | management, compounding radiopharmaceuticals and dispensing. | members of a multidisciplinary team and the patient and their family members. |

| | | | | | | | Write a reflective report Discuss the attributes required in a professional nuclear medicine radiographer. Demonstrate clinical competency for the procedures presented in this module. |
|---|---------|------|----|---|----|---|--|
| Nuclear Medicine Clinical Practice 4 | NCP01Y4 | 100% | 0% | 8 | 24 | The purpose of this module is to advocate good imaging practice in the Nuclear Medicine Department and PET-CT facility. This is achieved by effectively practicing good patient care and management, specialized and PET-CT data acquisition and reconstructions, PET-CT hot laboratory management and radiopharmaceutical dispensing, acquisition protocols, procedure documentation and management. | At the end of this module you should be able to: 1. Manage and practice good patient care holistically before, during and after Nuclear Medicine procedures. 2. Apply all prescribed quality assurance measures in the department. 3. Dispense all radiopharmaceutic als used in the PET-CT facility with emphasis on aseptic technique and safety precautions for handling of radioactive substances used for imaging. 4. Carry out imaging techniques as set out in this module. 5. Perform data manipulations associated with specialized imaging practice and PET-CT. 6. Manage and administrate the |

| | | | | | | | Nuclear Medicine department to ensure a quality Nuclear Medicine service. |
|--|---------|------|----|---|----|--|---|
| Nuclear Medicine Instrumentation | NMI01Y2 | 100% | 0% | 6 | 12 | The purpose of this module is to provide you with a basic understanding of the origin of radioactivity, the design and function of Nuclear Medicine Instrumentation. | At the end of this module you should be able to: 1. Apply knowledge and understanding of radiation physics and radiobiology as applied in Nuclear Medicine. 2. Utilize correct imaging instrumentation and accessories, (the gamma camera with specialised functions such as SPECT), nonimaging instrumentation, (scintillation probe, well counters, survey meters) and image processing instrumentation, in a range of nuclear medicine investigations and applications. 3. Perform and assure quality control programmes in Nuclear Medicine Instrumentation. 4. Apply the elementary principles of computer operation as applied to the acquisition, display and processing of Nuclear Medicine Images. 5. Apply basic principles of in-vitro counting of samples. |

| Nuclear Medicine Practice 1 | NMP01Y1 | 100% | 0% | 6 | 24 | The purpose of this module is to provide you with the theoretical knowledge and skills in Nuclear Medicine in the prescribed organ imaging procedures for this module in order to effectively and efficiently produce images of diagnostic quality. | At the end of this module you should be able to: 1. Apply the basic principles of nuclear medicine imaging in order to produce images of diagnostic quality. 2. Apply knowledge of disease state and processes to the imaging protocols and procedures. 3. Maintain appropriate patient management before, during and after procedures. 4. Utilize correct imaging instrumentation and accessories for the prescribed nuclear medicine investigations and applications 5. Apply the elementary principles of computer operation as applied to the acquisition, display and processing of basic Nuclear Medicine images. |
|-----------------------------------|---------|------|----|---|----|---|--|
| Nuclear Medicine Practice 2 | NMP01Y2 | 100% | 0% | 6 | 30 | The purpose of this module is to provide the student with the theoretical knowledge and skills to function holistically in the prescribed nuclear medicine organ imaging in order effectively and efficiently produce images of optimum quality. | On completion of this module the student should be able to: 1. Perform specified Nuclear Medicine procedures and techniques appropriate to the clinical presentation in order to produce images of diagnostic Quality. |

| | | | | | | | Apply knowledge of disease state and processes to the imaging protocols and procedures. Apply appropriate injection procedures. Maintain appropriate patient management before, during and after procedures |
|-----------------------------------|---------|------|----|---|----|---|--|
| Nuclear Medicine Practice 3 | NMP01Y3 | 100% | 0% | 7 | 24 | The purpose of this module is to provide you with the opportunity to acquire knowledge, skills and experience to function effectively, under supervision, within the health care team to produce quality radiographic images, assist with radiographic procedures and care for patients consistent with this level of training and education. | On completion of this module the student should be able to: 1. Perform specified Nuclear Medicine procedures and techniques appropriate to the clinical presentation in order to produce images of diagnostic quality. 2. Apply knowledge of disease state and processes to the imaging protocols and procedures. 3. Perform safe and effective patient care in accordance with the patient's needs and departmental protocol to provide a quality service and to maintain the welfare of the patient. 4. Utilize correct imaging instrumentation and accessories for the prescribed |

| Nuclear Medicine Practice 4 NMP01Y4 100% 0% 8 24 The primary purpose of this module is to provide the student with further understanding in the application and assessment of existing knowledge, specialized and hybrid imaging technologies coupled with scientific applications and professional growth in practicing Nuclear Medicine. 2. Apply scientific applications and professional growth in practicing Nuclear Medicine. 3. Demonstrate an understanding of the application of radionuclides and management of pediatric patient. 4. Demonstrate an understanding of the Auclear Medicine discipline in the South Africa context as a way of managing a nuclear medicine facility. | | | | | | | | Nuclear Medicine investigations and applications. 5. Apply appropriate injection procedures. 6. Apply the elementary principles of computer operation as applied to the acquisition, display and processing of basic Nuclear Medicine images. |
|---|-----------|---------|------|----|---|----|--|---|
| | | NMP01Y4 | 100% | 0% | 8 | 24 | provide the student with further understanding in the application and assessment of existing knowledge, specialized and hybrid imaging technologies coupled with scientific applications and professional growth in practicing Nuclear | student should be able to: 1. Demonstrate the principles of infection detection in nuclear medicine imaging. 2. Apply scientific skills and technologies to the clinical presentation for the production of optimum image quality in the specialized learning content. 3. Demonstrate an understanding of the application of radionuclides and management of pediatric patient. 4. Demonstrate an understanding of the Nuclear Medicine discipline in the South Africa context as a way of managing a nuclear |
| | Pathology | PTY01Y1 | 100% | 0% | 5 | 12 | | = |

| | | 4000/ | | | | students conversant with basic medical terminology related to pathological conditions. It introduces the student to the foundational principles of pathological processes which will underpin the knowledge of the specific systems pathology which will be integrated into the subsequent years of study. | student should be able to: 1. Define common terminology associated with the study of disease in order to describe pathological processes. 2. Integrate knowledge of the fundamental principles of pathology with diseases of the body systems to ensure a full comprehension of the effects of disease on the human body. |
|-----------------------|---------|-------|----|---|----|--|---|
| Professional Practice | PRP01Y1 | 100% | 0% | 5 | 24 | The purpose of this module is to: 1. To introduce the learner to the knowledge and skills required to become a professional member of the health care team. 2. To provide you with insight, knowledge and skills regarding your role as a member of the medical profession in terms of patient care, first aid procedures, ethical responsibilities and the ability to communicate with different types of patients in the medical imaging department. 3. The knowledge and skills learnt in this module will further be developed in the 2nd year of your studies. | On completion of this module the student should be able to: 1. Apply the principles of professional practice and medical ethics which will protect the rights and wellbeing of the patient. 2. Apply the principles of reflective practice in a manner that will ensure holistic growth as a health care professional 3. Explain the basic principles of Human Rights and identify the importance of professional conduct, ethical and legal responsibilities in order to function as a professional |

| healthcare team 4. Demonstrate basic knowledge the health safety regulate to ensure patie public and staff protected funnecessary radiation |
|---|
| |
| 5. Assess patient's needs condition correwith regard patient care ensure the well of the patient maintained with discrimination contravention their rights. |
| 6. Demonstrate methods preventing or infection we performing radiographic examinations procedures in or to provide a qui service. |
| 7. Explain discuss the gen and specific procedures related to drugs used in ray Departmen provide a quexamination |
| 8. Identify possible emergencies who may occur in the ray department to be prepared such an event. |
| 9. Explain discuss the cor components required effective wri communication |

| | | | | | | | 10. Demonstrate knowledge of various methods of communication which are required for communication in the workplace. |
|---|---------|------|----|---|----|--|---|
| Professional Practice and Research Principles | PRR01Y2 | 100% | 0% | 6 | 24 | The purpose of this module is: To build on your knowledge and skills to enable you to become a professional member of the multidisciplinary health care team. To enhance your communication skills, enable you to reflect on your practice and understand the ethical responsibilities in your role as a health professional. To introduce research principles that are required for a professional practitioner. | On completion of this module the student should be able to: 1. Apply the principles of reflective practice in a manner that will, ensure holistic growth as a health care professional 2. Demonstrate an understanding of the principles of Human Rights and identify the importance of professional conduct, ethical and legal responsibilities in order to function as a professional member of the healthcare team. 3. Assess the patient's needs and condition correctly with regard to patient care to ensure the welfare of the patient is maintained without discrimination or contravention of their rights. 4. Explain and discuss the research principles required for a health professional. |
| Radiation Therapy Clinical 1 | RTC01Y1 | 100% | 0% | 6 | 24 | The purpose of this module is to develop the clinical | On completion of this module the |

| | | | | | | competencies required in a Therapy Radiographer at a first-year level. | student should be able to: 1. Discuss and demonstrate appropriate patient care for the procedures presented in learning unit 5 2. Communicate effectively with members of a multidisciplinary team and the patient and their family members. 3. Write a reflective report. 4. Discuss the attributes required in a professional radiotherapist. 5. Demonstrate clinical competency for the procedures presented in this module. |
|------------------------------------|---------|------|----|---|----|--|--|
| Radiation Therapy Clinical 2 | RTC01Y2 | 100% | 0% | 7 | 30 | The purpose of this module is to develop a student, competent in the knowledge and skills required for the management of neoplasms covered in this module. | On completion of this module the student should be able to: 1. Discuss and demonstrate appropriate patient care for the procedures presented in RTP01Y2 2. Communicate effectively with members of a multidisciplinary team and the patient and their family members 3. Write a reflective report on patient care provided on any system |

| | | | | | | | discussed in RTP01Y2 4. Discuss the attributes required in a professional radiotherapist by completing specific tasks for this level 5. Demonstrate clinical competency for the procedures presented in this module. |
|------------------------------------|---------|------|----|---|----|---|--|
| Radiation Therapy Clinical 3 | RTC01Y3 | 100% | 0% | 7 | 24 | The purpose of this module is to enable the student to apply the theory of Radiation Therapy Practice 3 and includes professional practice within the clinical environment. | At the end of this module, the student should be able to: 1. Discuss & demonstrate appropriate patient care for the procedures presented in learning unit 5. 2. Communicate effectively with members of a multidisciplinary team and the patient and their family members. 3. Write a reflective report. 4. Discuss the attributes required in a professional radiotherapist. 5. Demonstrate clinical competency for the procedures presented in Radiation Therapy Practice 3 module. |
| Radiation Therapy Clinical 4 | RTC01Y4 | 100% | 0% | 8 | 24 | The purpose of this module is to build on the previous year's modules in clinical competencies by applying the theory of Radiation Therapy Practice 4 and | At the end of this module the student should be able to: 1. Discuss and demonstrate appropriate patient care for the |

| Radiation Therapy Practice 1 RTP01Y1 100% 0% 6 24 The primary purpose of this module is to develop a student. Radiation Therapy Practice 2 RTP01Y2 100% 0% 7 30 The purpose of this module is to develop a student, competent in the knowledge and skills required for the reading substance checks prior to treatment delivery Radiation RTP01Y2 100% 0% 7 30 The purpose of this module is to develop a student, competent in the knowledge and skill sequired for the reading substance checks prior to treatment delivery Radiation Therapy Practice 2 RTP01Y2 100% 0% 7 30 The purpose of this module is to develop a student, competent in the knowledge and skill sequired for the management of this module is to develop a student, competent in the knowledge and skill sequired for the management of this module is to develop a student, competent in the knowledge and skills required for the management of this module is to develop a student, competent in the knowledge and skill sequired for the management of this module is to develop the appropriate radiotherapy | | | | | | | includes professional practice within the clinical environment. | procedures presented in learning unit 5. |
|--|---------|---------|------|----|---|----|--|--|
| Radiation Therapy Practice 1 Radiation Therapy Practice 2 Radiation Therapy Practice 1 Radiation Therapy Practice 2 Radiation Therapy Practice 1 Radiation Therapy Practice 1 Radiation Therapy Practice 1 Radiation Therapy Practice 1 Radiation Therapy Practice 2 Radiation Therapy Practice 2 Radiation Therapy Practice 1 Radiation Therapy Practice 2 Radiation Therapy Practice 2 Radiation Therapy Practice 1 Radiation Therapy Practice 1 Radiation Therapy Practice 2 Radiation Therapy Practice 1 Radiation Therapy Practice 2 Radiation Therapy Practice 1 At the end of this module a student sincular clinical competent in the knowledge and the principles guiding the monal and the pr | | | | | | | | effectively with members of a multidisciplinary team and the patient and their |
| Radiation Therapy Practice 1 Radiation Therapy Practice 2 Radiation Therapy Practice 3 The purpose of this module is to develop a student, competent in the knowledge and skill to deliver a simple valuation oncology so that you can understand the principles guiding the module is to develop a student, competent in the knowledge and skill to deliver a simple valuation oncology so that you can understand the principles guiding the management of an oncology so that you can understand the principles guiding the management of an oncology so that you can understand the principles guiding the management of an oncology so that you can understand the principles guiding the management of an oncol | | | | | | | | |
| Radiation Therapy Practice 1 Radiation Therapy Practice 2 Radiation RTP01Y1 | | | | | | | | attributes required in a professional |
| Therapy Practice 1 In the principles guiding the management of an oncology patient and the equipment used in radiotherapy treatment. In the principles guiding the management of an oncology patient and the equipment used in radiotherapy treatment. In the principles guiding the management of an oncology patient and the equipment used in radiotherapy treatment. In the principles guiding the management of an oncology patient and the equipment used in radiotherapy treatment under supervision In the principles guiding the management of the principles guiding the knowledge and skill to deliver a simple radiotherapy treatment under supervision 2. Be aware of the side effects appropriately 4. Be able to principles guiding the p | | | | | | | | clinical competency for the procedures presented in this |
| that you can understand the principles guiding the management of an oncology patient and the equipment used in radiotherapy treatment. 3. Be able to manage side effects of treatment 3. Be able to manage side effects appropriately 4. Be able to perform simple quality assurance checks prior to treatment delivery Radiation Therapy Practice 2 RTP01Y2 100% 0% 7 30 The purpose of this module is to develop a student, competent in the knowledge and skills required for the management of The spropriate the knowledge and skills required for the management of The spropriate the knowledge and skill to deliver a simple radiotherapy treatment under supervision 2. Be aware of the side effects of treatment delivery 4. Be able to perform simple quality assurance checks prior to treatment delivery | Therapy | RTP01Y1 | 100% | 0% | 6 | 24 | of this module is to introduce you to | module a student |
| Radiation Therapy Practice 2 Radiation Therapy Practice 3 Radiation Therapy Practice 2 Radiation Therapy Practice 3 Radiat | | | | | | | that you can understand the principles guiding the management of an oncology patient and | knowledge and skill to deliver a simple radiotherapy treatment under |
| Radiation Therapy Practice 2 RTP01Y2 REPORT SIMPLE TO SET THE PROPERTY SI | | | | | | | in radiotherapy | side effects of |
| Radiation Therapy Practice 2 RTP01Y2 | | | | | | | | manage side effects |
| Therapy Practice 2 module is to develop a student, competent in the knowledge and skills required for the management of this module, the student should be able to: 1. Select and apply the appropriate | | | | | | | | perform simple quality assurance checks prior to |
| management of 1. Select and apply the appropriate | Therapy | RTP01Y2 | 100% | 0% | 7 | 30 | module is to develop a student, competent in the knowledge and | this module, the student should be |
| | | | | | | | - | the appropriate |

| | | | | | | neoplasms covered in this module. | technique for each neoplasm in order to accurately treat a patient 2. Critique radiotherapy treatment plans appropriate to each neoplasm in order to select an appropriate plan for treatment and discuss the implementation of the plan into the clinical setting. 3. Predict and manage radiotherapy side effects, for each neoplasm discussed, responsibly, ethically and effectively. |
|------------------------------------|---------|------|----|---|----|---|---|
| Radiation Therapy Practice 3 | RTP01Y3 | 100% | 0% | 7 | 24 | The purpose of this module is to interpret and apply anatomical, pathological and clinical data in order to apply and analyze complex treatment plans and manage the radiotherapy side effects thereof. | After completion of this module, the student should be able to: 1. Interpret and apply anatomical, pathological and clinical data in order to accurately discuss the oncological management of each neoplasm. 2. Select and apply the appropriate radiotherapy technique for each neoplasm in order to accurately treat a patient 3. Critique radiotherapy treatment plans appropriate to each neoplasm in order to select an appropriate plan for treatment and |

| | | | | | | | discuss the implementation of the plan into the clinical setting. 4. Predict and manage radiotherapy side effects, for each neoplasm discussed, responsibly, ethically and effectively. |
|------------------------------------|---------|------|----|---|----|--|---|
| Radiation Therapy Practice 4 | RTP01Y4 | 100% | 0% | 8 | 24 | The purpose of this module is to provide the student with: Detailed knowledge of advanced radiotherapy treatment planning and specialized techniques in a way that encourages critical and independent thinking in order to adapt to changes in the dynamic field of radiation oncology and participate in the development and review of radiotherapy protocols. The knowledge, interpretation, practical skills in the environment of business, culture, ethics and diversity in the workplace. | At the end of this module the student should be able to: 1. Evaluate the merits of complex radiotherapy protocols in order to adapt to changes in the field of radiation oncology and participate in the development and review of radiotherapy protocols 2. Integrate knowledge from practical demonstrations with theory in order to precisely describe specialized treatment planning procedures 3. Apply pathological, radiobiological and radiation physics knowledge to provide an optimal brachytherapy service to radiotherapy patients 4. Demonstrate and apply a sound knowledge of the theoretical principles of |

| | | | | | | | decision-making and aids for decision-making. 5. Demonstrate and apply sound knowledge of the theoretical principles of leadership, change and innovation. 6. Demonstrate a sound knowledge of the theoretical principles of culture, ethics and workforce diversity |
|--|---------|------|----|---|----|---|---|
| Radiographic Department Management Strategies | RGM01Y4 | 100% | 0% | 8 | 12 | The purpose of this module is to prepare you for the workplace by introducing you to the specific management principles applicable to a clinical department which will enable you to manage resources in such a way as to provide and maintain a quality, professional service to patients. This module enables you to competently analyse, integrate and apply scientific, theoretical and clinical knowledge to work independently and in a supervisory capacity. | At the end of this module a student should be able to: 1. Apply health and safety regulations, human rights, medical law and ethics in managing the radiography department to ensure patient, personnel and public safety 2. Define the management process, identify and describe the managerial hierarchy and associated functions. 3. Demonstrate administrative skills, in line with prescribed protocols and procedures, to ensure that a quality radiographic service is rendered. 4. Describe leadership styles, sources of power and how to motivate staff and impact on staff |

| | | | | | | | motivation and retention. 5. Identify and devise quality assurance measures, which serve as feedback mechanisms, to ensure the smooth running of the department and the rendering of a quality service. |
|---------------------|---------|------|----|---|----|--|---|
| Radiopharma cy 1 | RPY01Y1 | 100% | 0% | 5 | 12 | The purpose of this module is to provide you with the opportunity to acquire knowledge and skills to function effectively in a radiopharmacy in the areas covered in the prescribed content for this module. | At the end of this module a student should be able to: 1. Apply the knowledge of production of radionuclides and their properties. 2. Assemble, operate and maintain the Molybdenum generator. 3. Explain the design, organization and administration of radionuclides in the radiopharmacy 4. Apply knowledge of radiation protection in the Nuclear Medicine Department |
| Radiopharma cy 2 | RPY01Y2 | 100% | 0% | 6 | 12 | The purpose of this module is to provide the student with the opportunity to acquire knowledge and skills to function effectively in the use and application of radionuclides. | At the end of this module a student should be able to: 1. Apply the knowledge of the production of radionuclides and radiochemical make-up of the prescribed radiopharmaceutic als. 2. Explain the application of the |

| | | | | | | | prescribed radiopharmaceutic als used in clinical imaging. 3. Apply knowledge of radiation effects and risk estimates which may induce radiation malignancies. |
|---------------------|---------|------|----|---|----|--|---|
| Radiopharma cy 3 | RPY01Y3 | 100% | 0% | 7 | 12 | The purpose of this module is to provide you with the opportunity to acquire knowledge and skills to function effectively in the use and application of radionuclides used in the diagnosis and treatment of disease which are prescribed in this learning guide. | At the end of this module a student should be able to: 1. Apply the knowledge of the production of radionuclides and radiochemical make-up of the prescribed radiopharmaceutic als. 2. Explain the application of the prescribed radiopharmaceutic als used in clinical imaging. 3. Apply knowledge of radiation effects and risk estimates which may induce radiation malignancies. |
| Radiopharma cy 4 | RPY01Y4 | 100% | 0% | 8 | 12 | The purpose of this module is to provide the student with the opportunity to acquire knowledge and skills in specialized and new developments in radiopharmacy. This is achieved by the determination of single photon emission radionuclides, radionuclides, radionuclides for positron emission tomography, interventional nuclear medicine and clinical trials in nuclear | At the end of this module the student should be able to: 1. Understand various radionuclide production methods. Know which radionuclides/radio pharmaceuticals are appropriate for use in SPECT and PET imaging; nuclear medicine therapy; monoclonal and |

| | | | | | | medicine. | receptor applications. 2. Apply knowledge of interventional nuclear medicine. 3. Apply the principles and practices of clinical trials in Nuclear Medicine. |
|------------------|---------|------|----|---|----|--|--|
| Research Methods | REM01Y3 | 100% | 0% | 7 | 24 | The purpose of this module is to help the student learn to employ independent research and self-study strategies to develop problem solving, critical thinking and evaluation skills with respect to a real-world problem in the educational environment or clinical practice. It is envisioned that the knowledge and skills gained will aid foster a positive perception of research among students and highlight the importance of collaborative research and the relevance of empirical evidence to guide professional practice. | At the end of this module, the student should be able to: 1. Accurately conceptualize a research topic, question(s) and aim(s) according to acceptable research norms and principles. 2. Review, critique and summarize the literature. 3. Design an execution plan for the research development with clearly stated objectives, timelines and costing. 4.Develop a research proposal in line with the Faculty Guidelines as the framework for your research project in the succeeding year-year 4. 5. Apply basic principles in research to demonstrate your understanding of the certain concepts and how they translate in practice. |

| Research Project 4 | RPR01Y4 | 100% | 0% | 8 | 30 | The purpose of this module is to allow the student to use the knowledge, skills and attitudes obtained throughout enrolment at MIRS, to conduct research in a responsible manner, by applying the research specific knowledge acquired in REM01Y3. In addition, students should contribute in a positive manner to foster a research climate in the medical imaging and radiation sciences sector. | At the end of this module, the student should be able to: 1. Function efficiently in a team context. 2. Prepare and submit a proposal to a research ethics committee and obtain ethical clearance. 3.Collect and analyse data using scientific methods and according to the plan approved in the research proposal. 4. Write up a research proposal. 4. Write up a research report inclusive of a review of applicable literature, according to undergraduate requirements. 5. Disseminate the research results through various means to appropriate audiences, to add to the existing body of knowledge and foster a positive research climate. |
|-----------------------------------|---------|------|----|---|----|--|--|
| Specialized Diagnostic Practice 3 | SDP01Y3 | 100% | 0% | 7 | 24 | The purpose of this module is to build on the knowledge gained from Diagnostic Practice 1 and 2 and introduces you to specialized imaging techniques, related anatomy, pathology and equipment. It provides you with the clinical knowledge to understand specialized procedures, research | At the end of this module, the students should be able to: 1. Evaluate specialised techniques and equipment in order to relate their suitability to the suspected pathology within the radiology department. |

| | | | | | | and problem solving to work independently. Integration of knowledge gained on technique, equipment, anatomy, pathology and basic pattern recognition skills allows you to identify normal and abnormal appearances on a radiograph. This module provides you with the knowledge to enable you to source and critique a journal article using scientific research parameters. | 2. Assess the developments in techniques and protocols in order to produce high quality diagnostic images using the most current practice and protocols. 3. Apply knowledge and skills to perform and adapt diagnostic techniques applicable to the age and clinical presentation of the patient. |
|-----------------------------------|---------|------|----|---|----|--|---|
| Specialized Diagnostic Practice 4 | SDP01Y4 | 100% | 0% | 8 | 12 | The purpose of this module is to build on the knowledge gained from Diagnostic Practice 1, 2 and 3 and Specialized Diagnostic Practice III. It provides you with the clinical knowledge to understand specialized procedures, research and problem solving to work independently. Integration of knowledge gained on technique, equipment, anatomy, pathology and basic pattern recognition skills allows you to identify normal and abnormal appearances on a radiograph. This module provides you with the knowledge to enable you to source and critique a journal article using scientific research parameters | At the end of this module, the students should be able to: 1. Demonstrate the ability to choose appropriate modalities and protocols in relation to the indications presented upon examination request 2. Will be able to identify gaps between the theoretical knowledge acquired and the Clinical Practice issues that they experience. 3. Apply knowledge and skills to perform and adapt diagnostic techniques applicable to the age and clinical presentation of the patient. |

| Specialized | SHEUTA | 1000/ | Λ0/2 | 7 | 12 | The purpose of this | At the and of this |
|------------------------|---------|-------|------|---|----|--|--|
| Specialized Ultrasound | SUS01Y3 | 100% | 0% | 7 | 12 | The purpose of this module is to develop the clinical competencies of a Diagnostic Sonographers at a third-year level and will enable the students to apply the theory of specialized ultrasound scanning techniques and protocols pertaining to solid organ transplantation, haemodialysis access and tropical disease within the clinical environment. | At the end of this module, you should be able to: 1. Integrate knowledge of Anatomy, Physiology and Pathology, to select the correct sonographic protocol and equipment applicable to a specific anatomical region. 2. Describe sonographic protocols of the most frequently encountered examinations in order to produce the required images for each examination. 3. Employ independent research and self-study strategies to develop problem solving, critical thinking and evaluation skills with respect to clinical situations. 4. Apply pattern recognition criteria in order to determine normal and aberrant sonographic appearances, which may indicate pathology. 5. Critically assess |
| | | | | | | | 4. Apply pattern recognition criteria in order to determine normal and aberrant sonographic appearances, which may indicate |
| | | | | | | | 5. Critically assess and perform responsible patient care to ensure patient welfare and adhere to basic principles of human rights and professional ethics. |

| | | | | | | | 6. Critically assess the sonographic images and apply pattern recognition to determine normal and abnormal ultrasound appearances. |
|------------------------|---------|------|----|---|----|---|--|
| Specialized Ultrasound | SUS01Y4 | 100% | 0% | 8 | 12 | The purpose of this module is to develop the clinical competencies of a Diagnostic Sonographers at a fourth-year level and will enable the students to apply the theory of specialized ultrasound scanning techniques and protocols pertaining to emergency ultrasound, lung ultrasound and theranostics and the ethical issues that arise from them. | At the end of this module, you should be able to: 1. Integrate knowledge of Anatomy, Physiology and Pathology, to select the correct sonographic protocol and equipment applicable to a specific anatomical region. 2. Describe sonographic protocols of the most frequently encountered examinations in order to produce the required images for each examination. 3. Employ independent research and self-study strategies to develop problem solving, critical thinking and evaluation skills with respect to clinical situations. 4. Apply pattern recognition criteria in order to determine normal and aberrant sonographic appearances, which may indicate pathology. |

| | | | | | | | 5. Critically assess |
|----------------------------------|---------|------|----|---|----|--|--|
| | | | | | | | and perform responsible patient care to ensure patient welfare and adhere to basic principles of human rights and professional ethics. |
| | | | | | | | 6. Critically assess the sonographic images and apply pattern recognition to determine normal and abnormal ultrasound appearances. |
| Therapeutics | THR01Y3 | 100% | 0% | 7 | 12 | The primary purpose of this module is to provide you with a broad understanding in the application of therapeutic radionuclides, imaging and the management of patients who receive radionuclides for treatment; this will be coupled with scientific applications and professional growth in practicing nuclear medicine. | At the end of this module, you should be able to: 1. Apply and understand the rational for therapeutic nuclear medicine. 2. Apply scientific skills and technologies to the clinical presentation for the production of optimum image quality in the therapeutic learning content. 3. Demonstrate an understanding of the nuclear medicine therapeutic procedures. 4. Apply research principles and skills and develop a research climate in nuclear medicine. |
| Treatment Planning & Dosimetry 1 | TPD01Y1 | 100% | 0% | 6 | 12 | The purpose of this module is to introduce the student to basic treatment | At the end of this module you should: |
| 652 | | | | | | planning principles | |

| | | | | | | and radiation therapy related apparatus. | 1. Be able to describe target volumes according to the ICRU recommendations 2. Have the knowledge to select the appropriate beam modifying |
|--|---------|------|----|---|----|--|---|
| | | | | | | | devices for accurate treatment planning and delivery |
| | | | | | | | 3. Be able to perform a simulation procedure accurately and logically for cancer of the cervix and sarcomas appropriately |
| | | | | | | | 4. Be able to draw and evaluate a two dimensional (2D) dose distribution |
| | | | | | | | 5. Be able to create and evaluate 3D treatment plans |
| | | | | | | | 6. Accurately formulate a "set-up" instruction for the implementation of the selected treatment plan |
| | | | | | | | 7. Able to interpret and evaluate a treatment prescription |
| | | | | | | | 8. Be able to describe the treatment protocols used routinely in the department. |
| Treatment Planning & Dosimetry 2 | TPD01Y2 | 100% | 0% | 6 | 24 | The purpose of this module is to introduce the student to the basic radiobiological concepts and the role of diagnostic radiography, nuclear | At the end of this module, the student should be able to: 1. Discuss the effect of radiation on tissues and tumours and apply |

| Treatment Planning & Dosimetry 3 Treatm | | | | | | | | 10. Define beam energy and the factors influencing it |
|--|------------|---------|------|----|---|----|---|---|
| Treatment Planning & Dosimetry 3 Treatm | | | | | | | | |
| Freatment Planning & Dosimetry 3 Treatment Planning & Dosimetry 3 To Dosimetry 4 To Dosimetry 4 To Dosimetry 4 To Dosimetry 4 To Dosimetry 5 To Dosimetry 6 To Dosimetry 8 To Dosimetry 8 To Dosimetry 8 To Dosimetry 9 To Dosimet | | | | | | | | position, field parameters and |
| Treatment Planning & Dosimetry 3 TPD01Y3 100% 0% 7 12 The purpose of this module is to focus on specialised treatment planning, equipment and treatment with particle beams. The planning with the prescription will be applied in practice 16. Evaluate the prescription together with the plan and identify any areas of concern. At the end of this module, the student should be able to: 1. Describe the principles of radiotherapy treatment planning in order to correctly produce and evaluate a radiotherapy treatment plan for different systems. 2. Describe the basic construction and working principles of | | | | | | | | effect of tumour depth, patient separation, size and shape of portals and use of beam-modifying and/or shaping devices in dose |
| the treatment prescription will be applied in practice 16. Evaluate the prescription together with the plan and identify any areas of concern. Treatment Planning & Dosimetry 3 TPD01Y3 100% 0% 7 12 The purpose of this module is to focus on specialised treatment planning, equipment and treatment with particle beams. TPD01Y3 100% 0% 7 12 The purpose of this module, the student should be able to: 1. Describe the principles of radiotherapy treatment planning in order to correctly produce and evaluate a radiotherapy treatment plan for different systems. 2. Describe the basic construction and working principles of | | | | | | | | Oncologist to any problems with the |
| Treatment Planning & Dosimetry 3 TPD01Y3 Treatment Planning & Dosimetry 3 Tosimetry 3 The purpose of this module, the end of this module, the student should be able to: 1. Describe the principles of radiotherapy treatment planning in order to correctly produce and evaluate a radiotherapy treatment plan for different systems. 2. Describe the basic construction and working principles of | | | | | | | | the treatment prescription will be |
| Planning & Dosimetry 3 module is to focus on specialised treatment planning, equipment and treatment with particle beams. 1. Describe the principles of radiotherapy treatment planning in order to correctly produce and evaluate a radiotherapy treatment plan for different systems. 2. Describe the basic construction and working principles of | | | | | | | | prescription together with the plan and identify any areas of |
| and treatment with particle beams. 1. Describe the principles of radiotherapy treatment planning in order to correctly produce and evaluate a radiotherapy treatment plan for different systems. 2. Describe the basic construction and working principles of | Planning & | TPD01Y3 | 100% | 0% | 7 | 12 | module is to focus on specialised treatment | module, the student |
| basic construction and working principles of | | | | | | | and treatment with | principles of radiotherapy treatment planning in order to correctly produce and evaluate a radiotherapy treatment plan for different systems. |
| | | | | | | | | basic construction and working |

| | | | | | | | equipment used in radiotherapy in order to select the most suitable equipment for the treatment of a radiotherapy patient. |
|--|---------|------|----|---|----|--|--|
| Treatment Planning & Dosimetry 4 | TPD01Y4 | 100% | 0% | 8 | 12 | The purpose of the module is to provide the student with detailed knowledge of advanced radiotherapy treatment planning and specialized techniques in a way that encourages critical and independent thinking in order to adapt to changes in the dynamic field of radiation oncology and participate in the development and review of radiotherapy protocols. | At the end of this module, the student should be able to: 1. Evaluate the merits of complex radiotherapy protocols in order to adapt to changes in the field of radiation oncology and participate in the development and review of radiotherapy protocols 2. Integrate knowledge from practical demonstrations with theory in order to precisely describe specialized treatment planning procedures 3. Apply pathological, radiobiological and radiation physics knowledge to provide an optimal brachytherapy service to radiotherapy patients. |
| Ultrasound Clinical Practice 1 | UCP01Y1 | 100% | 0% | 6 | 24 | The purpose of this module is to develop the clinical competencies required in a Diagnostic Sonographer at a first-year level. This will be achieved through the | At the end of this module a student should be able to: 1. Demonstrate the knowledge of the principles of ultrasound physics, anatomy & pathology as |

| | | | | | | assimilation of the theoretical knowledge gained from the modules Imaging Technology and Diagnostic Ultrasoun d Practice. This knowledge forms the basis required to apply such knowledge in the clinical context to competently examine patients in the specified fields. The student will also become able to produce and analyse images which aid in the diagnosis of pathology and to give verbal accounts of the findings. | applied to the clinical environment 2. Perform patient care & communicate in a manner which ensures that the patient's welfare is maintained. 3. Apply the principles of professional practice and medical ethics which will protect the right and wellbeing of the patient. 4. Assess the clinical history and perform the sonographic protocols and procedures to produce optimum quality images in gynaecology, 1st trimester obstetrics & basic abdomen. 5. Critically assess the sonographic images and apply pattern recognition to determine normal and abnormal ultrasound appearances. 6. Apply the principles of reflective practice in a manner that |
|--------------------------------------|---------|------|----|---|----|---|--|
| | | | | | | | |
| Ultrasound Clinical Practice 2 | UCP01Y2 | 100% | 0% | 7 | 30 | The purpose of this module is to develop the clinical competencies required in a Diagnostic Sonographer at a | At the end of this module a student should be able to: 1. Demonstrate the knowledge of the principles of |
| 657 | | | | | | RULES AND REGI | JLATIONS 2024 |

| Diagnostic Sonographer at a third-year level of study. This will be achieved through the assimilation of the theoretical and practical knowledge gained in the previous years as well as the competencies obtained during the third year This knowledge forms the basis required to apply such knowledge in the clinical context to competently examine patients. The competencies gained from this module, will allow the student to produce and analyse diagnostic images which aid in the diagnosis of pathology and will allow the student to give verbal/written reports of the findings as required. | 1. knowledge Anatomy Physiology Pathology the sonograp protocol equipmer applicable specific a region. 2. Desprotocols most encounted examinated order to the images examinated as examinated as examinated as examinated as examinated as sonograp appearant may pathology 5. Critical and responsible care to patient were solving the sonograp appearant may pathology the solving appearant may pa |
|--|--|

- 1. Integrate knowledge of Anatomy, Physiology and Pathology, to select the correct sonographic protocol and equipment applicable to a specific anatomical region.
- 2. Describe sonographic protocols of the most frequently encountered examinations in order to produce the required images for each examination.
- 3. Employ independent research and self-study strategies to develop problem solving, critical thinking and evaluation skills with respect to clinical situations.
- 4. Apply pattern recognition criteria in order to determine normal and aberrant sonographic appearances which may indicate pathology.
- 5. Critically assess and perform responsible patient care to ensure patient welfare and adhere to basic principles of human rights and professional ethics.
- 6. Critically assess the sonographic images and apply pattern recognition to determine

| | | | | | | | normal and abnormal ultrasound appearances. 7. Apply the ultrasound specific measures which ensure that the health and safety of patients, self and colleagues are maintained. 8. Plan, develop and apply quality management appropriate to the |
|---------------------|---------|--------|------|---|----|--|---|
| Ultrasound | UCP01Y4 | 100% | 0% | 8 | 24 | The purpose of this | sonographic context. 9. Apply the principles of reflective practice in a manner that will, ensure holistic growth as a sonographer. At the end of this |
| Clinical Practice 4 | | 100 /0 | 0 /0 | 5 | 27 | module is to develop the clinical competencies required in a Diagnostic Sonographer at a final year level of study. This will be achieved through the assimilation of the theoretical and practical knowledge gained in the previous years as well as the competencies obtained during the final year This knowledge forms the basis required to apply such knowledge in the clinical context to competently examine patients. The competencies gained | module the student should be able to: 1. Demonstrate the knowledge of the principles of ultrasound physics, anatomy & pathology as applied to the clinical environment 2. Perform patient care & communicate in a manner which ensures that the patient's welfare is maintained. 3. Apply the principles of professional practice and medical ethics |
| | | | | | | from this module, will allow the student to produce and analyse | which will protect the right and well- |

| | | | | | | diagnostic images which aid in the diagnosis of pathology and will allow the student to give verbal/written reports of the findings as required. | being of the patient. 4. Assess the clinical history and perform the sonographic protocols and procedures to produce optimum quality images in gynaecology, 1st trimester obstetrics & basic abdomen. 5. Critically assess the sonographic images and apply pattern recognition to determine normal and abnormal ultrasound appearances. 6. Apply the principles of reflective practice in a manner that will ensure holistic growth as a sonographer. |
|--|---------|------|----|---|----|--|---|
| Ultrasound Physics Instrumentatio n | UPI01Y2 | 100% | 0% | 6 | 24 | The purpose of this module is to build on the knowledge gained in first year and to introduce the student to more advanced physical principles of Diagnostic ultrasound and its interactions with human tissue. The knowledge gained will develop a student who can operate the equipment competently and safely to produce high quality diagnostic images. This module will form a basis for application in the clinical context. | At the end of this module the student should be able to do the following: 1. Analyse the principles of ultrasound physics, which will allow application in the clinical context. 2. Demonstrate the principal components of medical ultrasound units. 3. Link the scientific knowledge of physics principles to the equipment for the production |

| | | | | | | | of quality ultrasound images. 4. Assess the sonographic image for technical quality and determine any necessary improvements. 5. Relate the known bio-effects of ultrasound in human tissue to potential bio-hazards |
|-----------------------|---------|------|----|---|----|--|---|
| Ultrasound Practice 1 | USP01Y1 | 100% | 0% | 6 | 24 | The purpose of this module is to introduce the student to the most frequently encountered sonographic examinations of the non-pregnant and 1st trimester pregnant female pelvis, prostate and the abdominal organs. Integration of Anatomy, Physiology and Pathology, ultrasound techniques, patient care and image interpretation will develop the competency to produce and analyze high quality sonographic images for normal and abnormal appearances. | At the end of this module the student should be able to: 1. Integrate knowledge of Anatomy, Physiology and Pathology, to select the correct sonographic protocol and equipment applicable to a specific anatomical region. 2. Describe sonographic protocols of the most frequently encountered examinations of the pregnant and nonpregnant female pelvis in order to produce the required images for each examination. 3. Employ independent research and self-study strategies to develop problem solving, critical thinking and evaluation skills with respect to clinical situations. |

| | | | | | | | 4. Apply pattern recognition criteria in order to determine normal and aberrant sonographic appearances which may indicate pathology. 5. Critically assess and perform responsible patient care to ensure patient welfare and adhere to basic principles of human rights and professional ethics. |
|-----------------------|---------|------|----|---|----|--|--|
| Ultrasound Practice 2 | USP01Y2 | 100% | 0% | 6 | 30 | The purpose of this module is to introduce the student to second & third trimester obstetric scanning and to small parts ultrasound scanning. Integration of anatomy, physiology and pathology, ultrasound techniques, patient care and image interpretation will develop the competency to produce and analyze high quality sonographic images for normal and abnormal appearances. | At the end of this module the student should be able to: 1. Integrate knowledge of Anatomy, Physiology and Pathology, to select the correct sonographic protocol and equipment applicable to a specific anatomical region. 2. Describe sonographic protocols of the most frequently encountered examinations of the pregnant patient in order to produce the required images for each examination. 3. Employ independent research and self study strategies to develop problem solving, critical thinking and evaluation skills |

| | | | | | | | with respect to clinical situations. 4. Apply pattern recognition criteria in order to determine normal and aberrant sonographic appearances which may indicate pathology. 5. Critically assess and perform responsible patient care to ensure patient welfare and adhere to basic principles of human rights and professional ethics. |
|-----------------------|---------|------|----|---|----|---|---|
| Ultrasound Practice 3 | USP01Y3 | 100% | 0% | 7 | 24 | The purpose of this module is to integrate anatomy and physiology knowledge acquired in the previous years of study to develop competencies on the ultrasound appearances and criteria. The newly acquired competencies form a crucial basis for pattern recognition necessary to determine normal and aberrant sonographic appearances which may indicate pathology. | At the end this module the student should be able to: 1. Analyse the pattern on the ultrasound image to determine normal and aberrant sonographic appearances which may indicate pathology. 2. Describe direct and indirect sonographic criteria associated with common pathologies affecting the adult gastrointestinal tract, vascular and musculoskeletal systems. 3. Determine differential diagnosis for each pathology in the order of decreasing likelihood. 4. Apply knowledge of anatomy, physiology and |

| | | | | | | | clinical presenting signs and symptoms to narrow down the list of differential diagnosis for the pathology understudy. |
|-----------------------|---------|------|----|---|----|---|--|
| Ultrasound Practice 4 | USP01Y4 | 100% | 0% | 8 | 24 | The purpose of this module is to introduce the student to advanced obstetrics, Paediatric Ultrasound, Neurosonography and Adult & Paediatric Echocardiography. Integration of anatomy, physiology and pathology, ultrasound techniques, patient care and image interpretation will develop the competency to produce and analyze high quality sonographic images for normal and abnormal appearances and allow for optimal management of the high-risk pregnancy. | At the end this module the student should be able to: 1. Integrate knowledge of Anatomy, Physiology and Pathology, to select the correct sonographic protocol and equipment applicable to a specific anatomical region. 2. Describe sonographic protocols applicable to the high-risk pregnant patient in order to produce the required images for each examination. 3. Employ independent research and self-study strategies to develop problem solving, critical thinking and evaluation skills with respect to clinical situations. 4. Apply pattern recognition criteria in order to determine normal and aberrant sonographic appearances which may indicate pathology. 5. Critically assess and perform responsible patient |
| | | | | | | | - |

HS12.7 DEPARTMENT OF NURSING

BACHELOR OF NURSING (B9N02Q)

| Name Code | SM Weight EM Weight | Level | Purpose | Outcome |
|-------------------|------------------------------|-------|--|---|
| Anatomy 1A ANT01A | 1 100% 0% | 5 10 | The purpose of the module is to introduce the students to human anatomy, to equip students with knowledge of the composition of the body, the structure of cells, tissues, joints and muscles of the body. They will understand the micro anatomy of the cells and tissues; the classification, microanatomy, macro anatomy of the skeleton as well as the joints and muscles. Introduce the students to the central, peripheral and autonomic nervous systems, the special sense organs and the endocrine glands, to equip students with knowledge of the, the structure of neural tissue, the brain, cranial nerves and plexuses, the sympathetic nervous systems as well as the nose, eye, tongue and ear. They | Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiol ogical/Biological concepts. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. Collect, analyse, organise and critically evaluate information by means of preparation of the project. |

| | | | | | | gross and micro anatomy of all the organs and structures. The students will be able to articulate and apply the knowledge to the content of the other modules. This will enable the student to maximize the healthcare of the South African population. | effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different anatomical concepts. |
|------------|---------|------|----|---|----|---|--|
| Anatomy 1B | ANT01B1 | 100% | 0% | 5 | 12 | The purpose of the module is to introduce the student to the gross and micro anatomy of the endocrine, cardiovascular, lymphatic, respiratory, and digestive systems, urinary and reproductive systems to equip students with knowledge of the position, structure and function of the organs. They will understand the micro anatomy of the organs. The students will be able to articulate and apply the knowledge to the content of the other modules. | Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiol ogical/Biological concepts. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. Collect, analyse, organise and critically evaluate information by means of preparation of the |

| | l | | | | | | project. |
|--------------------------------|---------|------|----|---|----|--|--|
| | | | | | | | Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. Demonstrate an |
| | | | | | | | understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation through the different Anatomical concepts. |
| Fundamental Nursing Science 1A | FNS01A1 | 100% | 0% | 6 | 12 | The purpose of the module is to develop a competent student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive individualized, culturally sensitive care, in line with decolonization, to individuals, families, groups and communities. Best care practice nursing which is based on evidence-based nursing to promote, to prevent, to cure, rehabilitation and referral diseases and | Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. |

| | T | 1 | | |
|---|---|-----|------------------------|----------------------------------|
| | | | | esponsibly and |
| | | | | ffectively. |
| | | | of diseases. This will | |
| | | | | ssess own |
| | | | | ompetence based |
| | | | healthcare of the o | J , |
| | | | | kills and attitudes |
| | | | | the nursing care |
| | | | | f patients with troduction to |
| | | | | thos and |
| | | | | rofessional |
| | | | | ractice and history |
| | | | | f nursing. |
| | | | | rriaronig. |
| | | | | ollecting, |
| | | | | nalysing, |
| | | | | rganizing and |
| | | | | ritically evaluating |
| | | | | formation. |
| | | | | |
| | | | | ommunicate |
| | | | | ffectively using |
| | | | | isual and |
| | | | | inguage skills in |
| | | | | ne modes of oral |
| | | | | nd/ or written |
| | | | p | resentation. |
| | | | | sing soiones and |
| | | | | sing science and echnology |
| | | | | ffectively and |
| | | | | ritically, showing |
| | | | | esponsibility |
| | | | | owards the |
| | | | | nvironment and |
| | | | | ealth of others. |
| | | | | |
| | | | | emonstrating and |
| | | | u | nderstanding of |
| | | | | ne world as a set of |
| | | | | elated systems by |
| | | | | ecognizing that |
| | | | | roblem-solving |
| | | | | ontexts do not |
| | | | e e | xist in isolation. |
| | | | _ | valoro and identify |
| | | | | xplore and identify |
| | | | | ursing/health ends and |
| | | | | roblems. |
| | | | | i obioiiio. |
| | | | | xplore and reflect |
| | | | | n a variety of |
| | | | | earning and |
| | | | | roblem-solving |
| | | | | trategies and |
| | I | ī I | | |
| L | | | U U | evelop an attitude |

| Fundamental Nursing Science 1B Finso 1B1 100% 0% 6 12 The purpose of the module is to develop a competent student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the nealth of module is to develop a competent student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the nursing process, within the nealth of individuals, families, groups and communities during their training as caring professionals, represented and maintain the health of individuals, families, groups and communities during their training as caring professionals, regionally and problems in the colonization, to individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive individualized, culturally sensitive care, in line with decolonization, to individuals, families, groups and communities. Best care practice nursing to prevent, to cure, rehabilitation and problems with the nursing process, Maslow's hierarchy of diseases. This will enable the student to lifestyle and burden of diseases. This will enable the student to lifestyle and burden of diseases. This will enable the student to maximize the healthcare of the beatthcare of the South African population. | | | | | | | | of life-long learning |
|---|---------|---------|------|----|---|----|--|---|
| Nursing Science 1B module is to develop a competent student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive care, in line with decolonization, to individuals, families, groups and communities. Best care practice nursing to individuals, families, groups and communities. Best care practice nursing to promote, to prevent, to cure, rehabilitation and referral diseases and conditions related to lifestyle and burden of diseases. This will enable the student to maximize the healthcare of the South African population. module is to develop a competent student that with appropriate knowledge, skills and attitudes in which responsible decisions using retical and creative thinking have been made. Internalisation of lorgical, critical, creative, reflective and problem-solving problems in which responsible decisions using retical and creative thinking have been made. Internalisation of lorgical, critical, creative, reflective and problem-solving skills in the executing best care practice nursing to process; health ecisions using ritical and creative thinking have been made. Internalisation of lorgical, critical, creative, reflective and problem-solving skills in the executing best care practice nursing to process; haslow's hierarchy of needs; health ecisions using ritical and creative thinking have been made. Internalisation of lorgical, critical, creative, freflective und problem-solving and restored the executing best care practice nursing to process; haslow's hierarchy of needs; health ecisions using ritical and creative thinking have been made. Internalisation of lorgical, critical, creative, freflective und problem-solving and restored the executing best care provided, creative, reflective and solving is solving is solving is solving is solving | | | | | | | | solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration |
| | Nursing | FNS01B1 | 100% | 0% | 6 | 12 | module is to develop a competent student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive individualized, culturally sensitive care, in line with decolonization, to individuals, families, groups and communities. Best care practice nursing which is based on evidence-based nursing to promote, to prevent, to cure, rehabilitation and referral diseases and conditions related to lifestyle and burden of diseases. This will enable the student to maximize the healthcare of the South African | solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problemsolving skills in the executing best care practice nursing to patients with the nursing process; Maslow's hierarchy of needs; health needs. Work effectively with others as a member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. Assess own competence based on knowledge, skills and attitudes in the nursing care of patients with the nursing process; Maslow's hierarchy of needs; health |

| | | | | | | | Collecting, analysing, organizing and critically evaluating information. |
|------------------------|---------|----------|----|---|----------|---|---|
| | | | | | | | Communicate effectively using visual and language skills in the modes of oral and/ or written presentation. |
| | | | | | | | Using science and technology effectively and critically, showing responsibility towards the environment and health of others. |
| | | | | | | | Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation. |
| | | | | | | | Explore and identify nursing/health trends and problems. |
| | | | | | | | Explore and reflect on a variety of learning and problem-solving strategies and develop an attitude of life-long learning. |
| | | | | | | | Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. |
| Fundamental Nursing | FNC01Y1 | 100% | 0% | 6 | 60 | The purpose of the module is to develop | Identifying and solving problems in |
| 671 | 1 | <u>I</u> | 1 | I | <u> </u> | RULES AND REGI | • |

| Colones | a commetent student | udeigh roomanaa |
|-------------|------------------------|-----------------------------------|
| Science | a competent student | which responses indicate that |
| | with appropriate | |
| Practice 1C | knowledge, skills and | responsible |
| | attitudes needed, the | decisions using |
| | application of the | critical and creative |
| | nursing process, | thinking have been |
| | within the | made. |
| | professional, legal- | |
| | ethical framework to | Internalisation of |
| | promote, restore and | logical, critical, |
| | maintain the health of | creative, reflective |
| | individuals, families, | and problem- |
| | groups and | solving skills in the |
| | communities during | executing best care |
| | their training as | practice nursing to |
| | caring professionals. | patients with |
| | To provide a range of | introduction to |
| | comprehensive | ethos and |
| | individualised, | professional |
| | culturally sensitive | practice and history |
| | care, in line with de- | of nursing and |
| | colonization, to | • |
| | individuals, families, | emergency care conditions and the |
| | | |
| | groups and | nursing process; |
| | communities. Best | Maslow's hierarchy |
| | care practice nursing | of needs; health |
| | which is based on | needs. |
| | evidence-based | |
| | nursing to promote, | Work effectively |
| | to prevent, to cure, | with others as a |
| | rehabilitation and | member of a team, |
| | referral diseases and | group, |
| | conditions related to | organisation, |
| | lifestyle and burden | community. |
| | of diseases. This will | |
| | enable the student to | Organizing and |
| | maximize the | managing oneself |
| | healthcare of the | and one's activities |
| | South African | responsibly and |
| | population. | effectively. |
| | | • |
| | | Assess own |
| | | competence based |
| | | on knowledge, |
| | | skills and attitudes |
| | | in the nursing care |
| | | of patients with |
| | | introduction to |
| | | ethos and |
| | | |
| | | professional |
| | | practice and history |
| | | of nursing and |
| | | emergency care |
| | | conditions and the |
| | | nursing process; |
| | | Maslow's hierarchy |
| | | of needs; health |
| | | needs. |
| | 1 | |

| | | | | | | | Collecting, analysing, organizing and critically evaluating information. |
|--------------------|----------|----------|----|----------|----|---|---|
| | | | | | | | Communicate effectively using visual and language skills in the modes of oral and/ or written presentation. |
| | | | | | | | Using science and technology effectively and critically, showing responsibility towards the environment and health of others. |
| | | | | | | | Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation. |
| | | | | | | | Explore and identify nursing/health trends and problems. |
| | | | | | | | Explore and reflect on a variety of learning and problem-solving strategies and develop an attitude of life-long learning. |
| | | | | | | | Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. |
| General Nursing | GNS01A2 | 100% | 0% | 7 | 12 | The purpose of the module is to develop | Identifying and solving problems in |
| Nursing 673 | <u> </u> | <u> </u> | 1 | <u> </u> | | RULES AND REGI | <u> </u> |

| Science 1A | | | | | a competent medical-surgical student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonization, to individuals, families, groups and communities. Best care practice nursing which is based on evidence-based nursing to promote, to prevent, to cure, rehabilitation and referral diseases and conditions related to lifestyle and burden of diseases. This will enable the student to maximize the healthcare of the South African population. | on knowledge, skills and attitudes in the nursing care of patients with haematological system, immunological |
|------------|---|---|---|-----|--|---|
| | | | | | South African | competence based on knowledge, skills and attitudes in the nursing care of patients with haematological system, |
| | | | | | | system and oncology; cardiovascular system; pulmonology system. Collecting, |
| | | | | | | analysing, organizing and |
| 674 | 1 | L | l | II. | RULES AND REGI | |

| | | | | | | | critically evaluating |
|----------------------------------|---------|------|----|---|----|---|---|
| | | | | | | | information. |
| | | | | | | | Communicate effectively using visual and language skills in the modes of oral and/ or written presentation. |
| | | | | | | | Using science and technology effectively and critically, showing responsibility towards the environment and health of others. |
| | | | | | | | Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation. |
| | | | | | | | Explore and identify nursing/health trends and problems. |
| | | | | | | | Explore and reflect on a variety of learning and problem-solving strategies and develop an attitude of life-long learning. |
| | | | | | | | Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. |
| General Nursing Science 1B | GNS01B2 | 100% | 0% | 7 | 12 | The purpose of the module is to develop a competent medical-surgical student with appropriate | Identifying and solving problems in which responses indicate that responsible decisions using |
| 675 | | | | | | RUI ES AND REGI | U ATIONIO 0004 |

knowledge, skills and attitudes needed, the application of the nursina process. within the professional. legalethical framework to promote, restore and maintain the health of individuals. families. aroups and communities during training their as caring professionals. To provide a range of comprehensive individualised. culturally sensitive care, in line with decolonization. to individuals, families, groups and Best communities. care practice nursing which is based on evidence-based nursing to promote, to prevent, to cure, rehabilitation and referral diseases and conditions related to lifestyle and burden of diseases. This will enable the student to maximize the healthcare of the South African population.

critical and creative thinking have been made.

Internalisation of logical, critical. creative, reflective and problemsolving skills in the executing best care practice nursing to patients with gastrointestinal system; endocrine system; musculoskeletal svstem: paediatric conditions.

Work effectively with others as a member of a team, group, organisation, community.

Organizing and managing oneself and one's activities responsibly and effectively.

Assess own competence based on knowledge, skills and attitudes in the nursing care of patients with gastrointestinal system; endocrine system; musculoskeletal system; paediatric conditions.

Collecting,
analysing,
organizing and
critically evaluating
information.

Communicate
effectively using
visual and
language skills in
the modes of oral
and/ or written
presentation.

| Using science and technology effectively and critically, showing responsibility towards the environment and health of others. Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation. Explore and identify nursing/health trends and problem-solving strategies and develop an attitude of life-long learning. Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. General Nursing Science 2A General Ginson 100% 0% 8 17 The purpose of the module is to develop a attitude of life-long learning. Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. Which responses indicate that responsible decisions using knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legal, ethical environment, cultural and demographic influences into consideration. Which responses indicate that responsible decisions using the professional, legal, ethical and creative thinking have been made, or individuals, families, groups and problem-solving skills in the professional, legal, ethical, errical and creative thinking have been made, or individuals, families, groups and problem-solving skills in the professional, families, groups and problems of the professional | | | | | | | | |
|--|---------|---------|------|----|---|----|---|---|
| exist in isolation. Explore and identify nursing/health trends and problems. Explore and reflect on a variety of learning and problem-solving strategies and develop an attitude of life-long learning. Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. General Nursing Science 2A General Nursing Science 2A General Nursing Science 2A General Nursing Science 2A The purpose of the module is to develop a competent medical-surgical student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legal-ethical framework to promote, restore and maintain the health of individuals, families, groups and problem-solving skills in the solving skills in the professional, legal-ethical framework to promote, restore and maintain the health of individuals, families, groups and | | | | | | | | technology effectively and critically, showing responsibility towards the environment and health of others. Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving |
| Explore and identify nursing/health trends and problems. Explore and reflect on a variety of learning and problem-solving strategies and develop an attitude of life-long learning. Understand and solve health problems by taking social, economic, legal, environment, cultural and demographic influences into consideration. Identifying and solving problems in which responses into consideration. Identifying and solving problems in which responses within the application of the nursing process, within the professional, legal ethical framework to promote, restore and maintain the health of individuals, families, groups and problems in the executing best care practice nursing to | | | | | | | | |
| General Nursing Science 2A General Nursing Science 2A General Polymer Science 2A General Nursing Science 2A Author Science 2A Author Science 2A General Nursing Science 2A Author Science 2A Auth | | | | | | | | Explore and identify nursing/health trends and |
| Nursing Science 2A module is to develop a competent medical-surgical student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problems in which responses indicate that responsible decisions using thinking have been made. | | | | | | | | on a variety of learning and problem-solving strategies and develop an attitude of life-long learning. Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into |
| maintain the health of individuals, families, groups and practice nursing to | Nursing | GNS01A3 | 100% | 0% | 8 | 17 | module is to develop a competent medical-surgical student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to | solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective |
| | | | | | | | individuals, families, groups and | executing best care practice nursing to |

communities during their training caring professionals. To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonization, individuals, families, groups and communities. Best care practice nursing which is based on evidence-based nursing to promote, to prevent, to cure, rehabilitation and referral diseases and conditions related to lifestyle and burden of diseases. This will enable the student to maximize healthcare of the South African population

patients with neurological; renal, fluid, electrolyte and acid balance and reproductive conditions.

Work effectively with others as a member of a team, group, organisation, community.

Organizing and managing oneself and one's activities responsibly and effectively.

Assess own competence based on knowledge, skills and attitudes in the nursing care patients with neurological; renal, fluid, electrolyte and acid balance and reproductive conditions.

Collecting,
analysing,
organizing and
critically evaluating
information.

Communicate
effectively using
visual and
language skills in
the modes of oral
and/ or written
presentation.

Using science and technology effectively and critically, showing responsibility towards the environment and health of others.

Demonstrating and understanding of the world as a set of

| | | | | | | | related systems by recognizing that problem-solving contexts do not exist in isolation. Explore and identify nursing/health trends and problems. Explore and reflect on a variety of learning and problem-solving strategies and develop an attitude of life-long learning. Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. |
|----------------------------------|---------|------|----|---|----|--|---|
| General Nursing Science 2B | GNS01B3 | 100% | 0% | 8 | 14 | The purpose of the module is to develop a competent medical-surgical student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonization, to individuals, families, groups and communities. Best care practice nursing | Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problemsolving skills in the executing best care practice nursing to patients with ear, nose, throat and eye conditions; integumentary system and burns; geriatric nursing care. Work effectively with others as a member of a team, group, organisation, |

FACULTY OF HEALTH SCIENCES

| | | ı ı | | |
|-----|-------------|---------|--|--|
| | | | which is based on | community. |
| | | | evidence-based | O |
| | | | nursing to promote, | Organizing and |
| | | | to prevent, to cure, | managing oneself |
| | | | rehabilitation and | and one's activities |
| | | | referral diseases and | responsibly and |
| | | | conditions related to | effectively. |
| | | | lifestyle and burden | A |
| | | | of diseases. This will enable the student to | Assess own |
| | | | maximize the | competence based on knowledge, |
| | | | healthcare of the | skills and attitudes |
| | | | South African | in the nursing care |
| | | | population. | of patients with ear, |
| | | | population. | nose, throat and |
| | | | | eye conditions; |
| | | | | integumentary |
| | | | | system and burns; |
| | | | | geriatric nursing |
| | | | | care. |
| | | | | |
| | | | | Collecting, |
| | | | | analysing, |
| | | | | organizing and |
| | | | | critically evaluating |
| | | | | information. |
| | | | | |
| | | | | Communicate |
| | | | | effectively using visual and |
| | | | | visual and language skills in |
| | | | | the modes of oral |
| | | | | and/ or written |
| | | | | presentation. |
| | | | | p. 555 |
| | | | | Using science and |
| | | | | technology |
| | | | | effectively and |
| | | | | critically, showing |
| | | | | responsibility |
| | | | | towards the |
| | | | | environment and |
| | | | | health of others. |
| | | | | Domonatratics and |
| | | | | Demonstrating and |
| | | | | understanding of the world as a set of |
| | | | | related systems by |
| | | | | recognizing that |
| | | | | problem-solving |
| | | | | contexts do not |
| | | | | exist in isolation. |
| | | | | |
| | | | | Explore and identify |
| | | | | nursing/health |
| | | | | trends and |
| | | | | problems. |
| | | | | |
| 680 | | | RULES AND REGI | II ATIONS 2024 |

| | | | | | | | Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. |
|----------------------------------|---------|------|----|---|----|--|---|
| General Nursing Science 3A | GNS01A4 | 100% | 0% | 8 | 12 | The purpose of the module is to develop a competent student with appropriate knowledge, skills and attitudes needed for quality management of the Nursing Unit and the education of patients and staff, as well as community empowerment in promoting the health of the individual, family, group and community. | Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Work effectively with others as a member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. Collecting, analysing, organizing and critically evaluating information. Communicate effectively using visual and language skills in the modes of oral and/ or written presentation. Using science and technology effectively and critically, showing |

| | | | | | | | responsibility towards the environment and health of others |
|----------------------------------|---------|------|----|---|----|--|---|
| General Nursing Science 3B | GNS01B4 | 100% | 0% | 8 | 12 | The purpose of the module is to develop a competent student with appropriate knowledge, skills and attitudes needed for quality management of the Nursing Unit and the education of patients and staff, as well as community empowerment in promoting the health of the individual, family, group and community. | |
| | | | | | | | characteristics of an adult student according to |

| | | | | | | | Mellish. |
|--|---------|------|----|---|----|---|---|
| | | | | | | | Debate how the above will influence learning principles. |
| | | | | | | | Analyse the objectives of clinical teaching. |
| | | | | | | | Briefly describe the characteristics of a clinical unit to serve as an effective learning context. |
| | | | | | | | Identify various teaching strategies /media for their suitability for clinical teaching and training. |
| | | | | | | | Debate various methods of evaluation that will be suitable for clinical teaching |
| General Nursing Science Clinical Practice 1C | GNC01Y2 | 100% | 0% | 7 | 60 | The purpose of the module is to develop a competent medical-surgical student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive | Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problemsolving skills in the executing best care practice nursing to patients with haematological system, immunological system and |
| | | | | | | individualised, culturally sensitive care, in line with de- colonization, to individuals, families, groups and communities. Best | oncology; cardiovascular system; pulmonology system and gastrointestinal system; endocrine |
| 683 | | | | | | care practice nursing | system; |

| | , , , , , , , , , , , , , , , , , , , | , , , , , , , , , , , , , , , , , , , | | |
|-----|---|---|---|---|
| | | | which is based on evidence-based nursing to promote, to prevent, to cure, rehabilitation and referral diseases and conditions related to lifestyle and burden of diseases. This will enable the student to maximize the healthcare of the South African population. | musculoskeletal system; paediatric conditions. Work effectively with others as a member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. Assess own competence based on knowledge, skills and attitudes in the nursing care of patients with haematological system, immunological system, immunological system and oncology; cardiovascular system; pulmonology system and gastrointestinal system; endocrine system; musculoskeletal system; paediatric conditions. |
| | | | | haematological system, immunological system and oncology; cardiovascular system; pulmonology system and gastrointestinal system; endocrine system; musculoskeletal system; paediatric |
| | | | | Collecting, analysing, organizing and critically evaluating information. |
| | | | | Communicate effectively using visual and language skills in the modes of oral and/ or written presentation. |
| 684 | | | RULES AND REGI | Using science and technology effectively and critically, showing responsibility |

| | | | | | | | towards the environment and health of others. |
|---|---------|------|----|---|----|---|---|
| | | | | | | | Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation. |
| | | | | | | | Explore and identify nursing/health trends and problems. |
| | | | | | | | Explore and reflect on a variety of learning and problem-solving strategies and develop an attitude of life-long learning. |
| | | | | | | | Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. |
| General Nursing Science Clinical | GNC01Y3 | 100% | 0% | 8 | 32 | The purpose of the module is to develop a competent medical-surgical | The student shows the competency to do an assessment of a patient. |
| Practice 2C | | | | | | student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legal- | Analyse and synthesize the assess data and make a nursing diagnosis for a patient. |
| | | | | | | ethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. | Determine how to prevent, reduce, or resolve the identified problems, how to support the patient's strengths and how to implement nursing |
| 685 | | | | | | To provide a range of comprehensive | interventions in an organised, goal |

| | | | | | | individualised, culturally sensitive care, in line with decolonization, to individuals, families, groups and communities. Best care practice nursing which is based on evidence-based nursing to promote, to prevent, to cure, rehabilitation and referral diseases and conditions related to lifestyle and burden of diseases. This will enable the student to maximize the healthcare of the South African | directed and best care manner. Carrying out (or delegate) and documenting the planned nursing interventions. Measuring the degree to which outcomes have been achieved and identify factors that positively or negatively influenced outcome |
|--|---------|------|----|---|----|---|---|
| General Nursing Science Clinical Practice 3C | GNC01Y4 | 100% | 0% | 8 | 22 | population. The purpose of the clinical skills is to enable the student to identify the growth, development and needs (personal hygiene) in the different life phases. Students need to be able to assess the health promotion needs of the individual, family and community by distinguishing between health and non-health-related problems; and apply the principles and methods of health promotion actions/strategies and health education; and identify social and physical resources for health care in the individual, family and community. Clinical preparedness is of essence to the prospective nurse. In order to reach an acceptable level of clinical preparedness it will be necessary | Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problemsolving skills in the executing best care practice nursing to patients within the nursing unit applying ethos and professional standards. Work effectively with others as a member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. |

| | T T | 1 - ' | |
|-----|-----|---|--|
| | | for the student to participate in certain clinical activities that take place in the field of community nursing specifically. | Assess own competence based on knowledge, skills and attitudes in nursing unit management applying ethos and professional standards. |
| | | | Collecting, analysing, organizing and critically evaluating information. |
| | | | Communicate effectively using visual and language skills in the modes of oral and/ or written presentation. |
| | | | Using science and technology effectively and critically, showing responsibility towards the environment and health of others. Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation. |
| | | | Explore and identify nursing/health trends and problems. |
| | | | Explore and reflect on a variety of learning and problem-solving strategies and develop an attitude of life-long learning. |
| | | | Understand and solve health problems by taking social, economic, |
| 687 | | RULES AND REGI | JLATIONS 2024 |

| Mental Health Nursing Science 1 MHS01A2 100% 0% 5 6 The purpose of the module is to develop a competent mental health nurse with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonization, to individuals, families, groups and communities. Best care practice nursing which is based on evidence-based nursing to promote, to prevent, to cure, rehabilitation and referral diseases and conditions related to lifestyle and burden of diseases. This will enable the student to maximize the healthcare of the South African population. MHS01A2 100% 0% 5 6 The purpose of the module is to develop a competent mental health nurse with appropriate killidicate that exproprisible decisions using which responsible decisions using critical accreative, treflective thinking have been made. Internalisation of logical, critical, creative, reflective evenuing skills in the evenuing best care practice nursing to patients with conditions. Work effectively and effectively. Organizing and managing oneself and one's activities responsibly and effectively using visual and. | | | | | | | | legal, ethical, environment, cultural and demographic influences into consideration. |
|--|--------------------------------|---------|------|----|---|---|--|--|
| RULES AND REGULATIONS 2024 | Health Nursing Science 1 | MHS01A2 | 100% | 0% | 5 | 6 | module is to develop a competent mental-health nurse with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonization, to individuals, families, groups and communities. Best care practice nursing which is based on evidence-based nursing to promote, to prevent, to cure, rehabilitation and referral diseases and conditions related to lifestyle and burden of diseases. This will enable the student to maximize the healthcare of the South African population. | solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problemsolving skills in the executing best care practice nursing to patients with mental health conditions. Work effectively with others as a member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. Assess own competence based on knowledge, skills and attitudes in the nursing care of patients with mental health conditions. Collecting, analysing, organizing and critically evaluating information. Communicate effectively using visual and |

Mental Health is a dynamic, interactive process in a patients' environment and the patient's relative mental health status is reflected by the interaction in his/her environment. The healthy mentally individual/family/grou and community have the potential to become mentally ill. For that reason, the and psychiatric mental health nurse facilitates the promotion of mental health by mobilization of resources within the individual/family/grou p/communities' internal and external environment.

The continuous interaction between the psychiatric and mental health nurse and the patient is an important resource in the facilitation of the patients' mental health. The psychiatric and mental health nurse needs facilitative communication skills that include all aspect of verbal and nonverbal communication, well as empathy, unconditional acceptance, congruence and authenticity, to be

language skills in the modes of oral and/ or written presentation.

Using science and technology effectively and critically, showing responsibility towards the environment and health of others.

Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation.

Explore and identify nursing/ mental health trends and problems.

Explore and reflect on a variety of learning and problem-solving strategies and develop an attitude of life-long learning.

Understand and solve mental health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration.

| Mental | MHC01A2 | 100% | 0% | 5 | 4 | Mental Health is a dynamic, interactive | Identifying and solving problems in |
|--------|---------|------|----|---|---|---|-------------------------------------|
| | | | | | | the DSM 5 and mobilise the necessary nursing interactions for the promotion of the mental health of the patient. The student would be able to discuss and debate the recent trends in the field of communication critically. The student communicates with the individual, family and community within the whole person approach. The Theory for Health Promotion, as well as other relevant models of communication will be studied critically. | |
| | | | | | | able to utilize her/himself as a sensitive, therapeutic, professional source. By studying the etiology of mental illness and recognising signs and symptoms, the psychiatric and mental health nurse can nurse the patient as a whole (body, mind and spirit) to promote his/her mental health. The student utilises critical/analytical, problem-solving skills and reflective skills to assess the patient according to | |

| Clinical | | | nationt's relative | responsible |
|------------|--|--|-------------------------|-----------------------|
| | | | patient's relative | • |
| Practice 1 | | | mental health status | decisions using |
| | | | is reflected by the | critical and creative |
| | | | interaction in his/her | thinking have been |
| | | | environment. The | made. |
| | | | mentally healthy | |
| | | | individual/family/grou | Work effectively |
| | | | p and community | with others as a |
| | | | have the potential to | member of a team, |
| | | | | • |
| | | | become mentally ill. | group, |
| | | | For that reason, the | organisation, |
| | | | psychiatric and | community. |
| | | | mental health nurse | |
| | | | facilitates the | Organizing and |
| | | | promotion of mental | managing oneself |
| | | | health by | and one's activities |
| | | | mobilization of | responsibly and |
| | | | resources within the | effectively. |
| | | | individual/family/grou | Choonvoly. |
| | | | | Collecting |
| | | | p/communities' | Collecting, |
| | | | internal and external | analysing, |
| | | | environment. | organizing and |
| | | | | critically evaluating |
| | | | The continuous | information. |
| | | | interaction between | |
| | | | the psychiatric and | Communicate |
| | | | mental health nurse | effectively using |
| | | | and the patient is an | visual and |
| | | | important resource in | language skills in |
| | | | - | |
| | | | the facilitation of the | the modes of oral |
| | | | patients' mental | and/ or written |
| | | | health. The | presentation. |
| | | | psychiatric and | |
| | | | mental health nurse | Using science and |
| | | | needs facilitative | technology |
| | | | communication skills | effectively and |
| | | | that include all aspect | critically, showing |
| | | | of verbal and non- | responsibility |
| | | | | |
| | | | verbal | |
| | | | communication, as | environment and |
| | | | well as empathy, | health of others. |
| | | | unconditional | |
| | | | acceptance, | Demonstrating and |
| | | | congruence and | understanding of |
| | | | authenticity, to be | the world as a set of |
| | | | able to utilize | related systems by |
| | | | her/himself as a | recognizing that |
| | | | | |
| | | | sensitive, | problem-solving |
| | | | therapeutic, | contexts do not |
| | | | professional source. | exist in isolation |
| | | | | |
| | | | By studying the | |
| | | | etiology of mental | |
| | | | illness and | |
| | | | recognising signs | |
| | | | | |
| | | | and symptoms, the | |
| | | | psychiatric and | |
| | | | mental health nurse | |
| 601 | | | PLILES AND PEGI | |

| mind and spirit) to promote his/her mental health. The student utilises critical/analytical, problem-solving skills and reflective skills to assess the patient according to the DSM 5 and mobilise the necessary nursing interactions for the promotion of the mental health of the patient. Midwifery Nursing Science 1A Midwifery Nursing Interactions for the module is to develop a competent midwife student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legaletical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their new-born infants to managing oneself and one's activities responsibly and effectively, or or mental the feath of women and their new-born infants to study and community. Assess own | | | | | | | can nurse the patient as a whole (body, | |
|--|-----------|---------|------|----|---|----|--|-------------------------------------|
| Student utilises critical/analytical, problem-solving skills and reflective skills to assess the patient according to the DSM 5 and mobilise the necessary nursing interactions for the promotion of the mental health of the patient. Midwifery Nursing Science 1A Midwifery Nurs | | | | | | | promote his/her | |
| Midwifery Nursing Science 1A Midwifery Nursing Nursing Nursing Science 1A Midwifery Nursing Nursing Nursing Nursing Science 1A Midwifery Nursing Nursing Nursing Nursing Science 1A Midwifery Nursing Nursin | | | | | | | student utilises | |
| midwifery Nursing Science 1A Identifying and solving problems in aclivate that responsible and attitudes needed, the application of the moudle is to develop a solving problems in aclivate that responsibly and effectively. | | | | | | | problem-solving | |
| Midwifery Nursing Science 1A The purpose of the module is to develop a competent midwife festure that responses in which re | | | | | | | | |
| Midwifery Nursing Science 1A Midwifery Nursing Science 1A Misona 100% 0% 7 16 The purpose of the module is to develop a competent midwife student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their | | | | | | | | |
| Midwifery Nursing Science 1A MNS01A3 100% 0% 7 16 The purpose of the module is to develop a competent midwife student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalething in the professional, legalething in the professional, legalething in the professional, legalething in the professional in the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their | | | | | | | , | |
| Midwifery Nursing Science 1A MNS01A3 100% 0% 7 16 The purpose of the module is to develop a competent midwife student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their | | | | | | | • | |
| Nursing Science 1A sci | Midwifery | MNS01A3 | 100% | 0% | 7 | 16 | • | Identifying and |
| appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their | Nursing | | | | | | module is to develop a competent midwife | solving problems in which responses |
| attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problem-solving skills in the executing best care practice nursing to patients with normal neonate. Work effectively with others as a member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. | | | | | | | appropriate | responsible |
| nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their | | | | | | | attitudes needed, the | critical and creative |
| professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their | | | | | | | nursing process, | • |
| promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their | | | | | | | professional, legal- | |
| individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their | | | | | | | promote, restore and | creative, reflective |
| communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their | | | | | | | individuals, families, | solving skills in the |
| normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their | | | | | | | communities during | practice nursing to |
| childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their neonate. Work effectively with others as a member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. | | | | | | | normal (low risk) | normal pregnancy |
| neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their neonatal period. To with effectively with others as a member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. | | | | | | | childbirth, | |
| comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. | | | | | | | neonatal period. To | , |
| culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their organisation, community. Organisation, community. Organisation, community. Organisation, community. | | | | | | | comprehensive | member of a team, |
| families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their | | | | | | | culturally sensitive | organisation, |
| ability to manage selected emergency situations to maximize the health of women and their managing oneself and one's activities responsibly and effectively. | | | | | | | families, groups and | |
| situations to responsibly and maximize the health of women and their | | | | | | | ability to manage | managing oneself |
| of women and their | | | | | | | situations to | responsibly and |
| naw_nan mane needee Awa | | | | | | | of women and their | , |
| from birth to six or competence based | | | | | | | from birth to six or | competence based |
| eight weeks after on knowledge, birth. skills and attitudes in the nursing care | | | | | | | • | skills and attitudes |

| | | |
|-----|----------|---------------------------------------|
| | | of patients with |
| | | normal pregnancy |
| | | and normal |
| | | neonate. |
| | | |
| | | Collecting, |
| | | analysing, |
| | | organizing and |
| | | critically evaluating |
| | | information. |
| | | illioilliation. |
| | | Communicate |
| | | Communicate |
| | | effectively using |
| | | visual and |
| | | language skills in |
| | | the modes of oral |
| | | and/ or written |
| | | presentation. |
| | | |
| | | Using science and |
| | | technology |
| | | effectively and |
| | | critically, showing |
| | | responsibility |
| | | towards the |
| | | environment and |
| | | health of others. |
| | | ficality of others. |
| | | |
| | | Domonatrating and |
| | | Demonstrating and |
| | | understanding of |
| | | the world as a set of |
| | | related systems by |
| | | recognizing that |
| | | problem-solving |
| | | contexts do not |
| | | exist in isolation. |
| | | |
| | | Explore and identify |
| | | nursing/health |
| | | trends and |
| | | problems. |
| | | |
| | | Explore and reflect |
| | | on a variety of |
| | | learning and |
| | | problem-solving |
| | | |
| | | strategies and |
| | | develop an attitude |
| | | of life-long learning. Understand and |
| | | |
| | | solve health |
| | | problems by taking |
| | | social, economic, |
| | | legal, ethical, |
| | | environment, |
| | | cultural and |
| | | demographic |
| 693 | <u> </u> | RULES AND RECULATIONS 2024 |
| 693 | | RULES AND REGULATIONS 2024 |

| | | | | | | | influences into consideration. |
|------------------------------------|---------|------|----|---|----|--|--|
| Midwifery Nursing Science 1B | MNS01B3 | 100% | 0% | 7 | 16 | The purpose of the module is to develop a competent midwife student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their new-born infants from birth to six or eight weeks after birth. | Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problemsolving skills in the executing best care practice nursing to patients with normal labour and puerperium; introduction of growth and development: infant and children (0-6 years). Work effectively with others as a member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. Assess own competence based on knowledge, skills and attitudes in the nursing care of patients with normal labour and puerperium; introduction of growth and development: infant and children (0-6 years). Collecting, analysing, |
| 604 | | | | | | PLILES AND DECL | |

| | | | | | | | organizing and critically evaluating |
|------------------------------------|---------|------|----|---|----|--|---|
| | | | | | | | information. |
| | | | | | | | Communicate effectively using visual and language skills in the modes of oral and/ or written presentation. |
| | | | | | | | Using science and technology effectively and critically, showing responsibility towards the environment and health of others. |
| | | | | | | | Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation. |
| | | | | | | | Explore and identify nursing/health trends and problems. |
| | | | | | | | Explore and reflect on a variety of learning and problem-solving strategies and develop an attitude of life-long learning. |
| | | | | | | | Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. |
| Midwifery Nursing Science 2A | MNS01A4 | 100% | 0% | 8 | 16 | The purpose of the module is to develop a competent midwife student with appropriate | Identifying and solving problems in which responses indicate that responsible |
| 605 | | | | | | RULES AND REGI | |

knowledge, skills and attitudes needed, the application of the nursina process. within the professional. legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations maximize the health of women and their new-born infants from birth to six or eight weeks after birth.

decisions using critical and creative thinking have been made.

Internalisation of logical, critical, creative, reflective and problemsolving skills in the executing best care practice nursing to patients with abnormal pregnancy and abnormal neonates.

Work effectively with others as a member of a team, group, organisation, community.

Organizing and managing oneself and one's activities responsibly and effectively.

Assess own competence based on knowledge, skills and attitudes in the nursing care of patients with abnormal pregnancy and abnormal neonates.

Collecting,
analysing,
organizing and
critically evaluating
information.

Communicate
effectively using
visual and
language skills in
the modes of oral
and/ or written
presentation.

Using science and technology

| | | | | | | | effectively and critically, showing responsibility towards the environment and health of others. Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving |
|------------------------------------|---------|------|----|---|----|--|--|
| | | | | | | | contexts do not exist in isolation. Explore and identify nursing/health trends and problems. |
| | | | | | | | Explore and reflect on a variety of learning and problem-solving strategies and develop an attitude of life-long learning. |
| | | | | | | | Understand and solve health problems by taking social |
| Midwifery Nursing Science 2B | MNS01B4 | 100% | 0% | 8 | 16 | . The purpose of the module is to develop a competent midwife student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the | Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. |
| | | | | | | professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, | Internalisation of logical, critical, creative, reflective and problemsolving skills in the executing best care practice nursing to patients with abnormal labour and puerperium. |
| | | | | | | childbirth, puerperium, and neonatal period. To provide a range of comprehensive | Work effectively with others as a member of a team, group, |

| Γ | 1 | т- | г | | 1 | | |
|-----|---|----|---|--|---|---|--|
| | | | | | | individualised, | organisation, |
| | | | | | | culturally sensitive care to individuals, | community. |
| | | | | | | families, groups and | Organizing and |
| | | | | | | communities. The | managing oneself |
| | | | | | | ability to manage | and one's activities |
| | | | | | | selected emergency | responsibly and |
| | | | | | | situations to | effectively. |
| | | | | | | maximize the health of women and their | Assess own |
| | | | | | | new-born infants | competence based |
| | | | | | | from birth to six or | on knowledge, |
| | | | | | | eight weeks after | skills and attitudes |
| | | | | | | birth. | in the nursing care |
| | | | | | | | of patients with abnormal labour |
| | | | | | | | and puerperium. |
| | | | | | | | and paorponam. |
| | | | | | | | Collecting, |
| | | | | | | | analysing, |
| | | | | | | | organizing and critically evaluating |
| | | | | | | | information. |
| | | | | | | | |
| | | | | | | | Communicate |
| | | | | | | | effectively using |
| | | | | | | | visual and language skills in |
| | | | | | | | the modes of oral |
| | | | | | | | and/ or written |
| | | | | | | | presentation. |
| | | | | | | | Heing eciones and |
| | | | | | | | Using science and technology |
| | | | | | | | effectively and |
| | | | | | | | critically, showing |
| | | | | | | | responsibility |
| | | | | | | | towards the environment and |
| | | | | | | | health of others. |
| | | | | | | | |
| | | | | | | | Demonstrating and |
| | | | | | | | understanding of |
| | | | | | | | the world as a set of related systems by |
| | | | | | | | recognizing that |
| | | | | | | | problem-solving |
| | | | | | | | contexts do not |
| | | | | | | | exist in isolation. |
| | | | | | | | Explore and identify |
| | | | | | | | nursing/health |
| | | | | | | | trends and |
| | | | | | | | problems. |
| | | | | | | | Explore and reflect |
| | | | | | | | on a variety of |
| | | | | | | | learning and |
| 698 | | | | | | RULES AND REGI | II ATIONS 2024 |

| | | | | | | | problem-solving strategies and develop an attitude of life-long learning. |
|--|---------|------|----|---|----|--|---|
| | | | | | | | Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. |
| Midwifery Nursing Science Clinical Practice 1C | MNC01Y3 | 100% | 0% | 7 | 44 | The purpose of the module is to develop a competent midwife student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their new-born infants from birth to six or eight weeks after birth. | Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problemsolving skills in the executing best care practice nursing to patients with normal pregnancy and normal neonate; normal labour and puerperium; introduction of growth and development: infant and children (0-6 years). Work effectively with others as a member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. Assess own |
| | | | | | | | |

| | | 1 | |
|-----|---|--------------------|--|
| | | | competence based |
| | | | on knowledge, |
| | | | skills and attitudes in the nursing care |
| | | | of patients with |
| | | | normal pregnancy |
| | | | and normal |
| | | | neonate; normal |
| | | | labour and |
| | | | puerperium; |
| | | | introduction of |
| | | | growth and |
| | | | development: infant |
| | | | and children (0-6 |
| | | | years). |
| | | | Calla atima |
| | | | Collecting, |
| | | | analysing, organizing and |
| | | | critically evaluating |
| | | | information. |
| | | | |
| | | | Communicate |
| | | | effectively using |
| | | | visual and |
| | | | language skills in |
| | | | the modes of oral |
| | | | and/ or written |
| | | | presentation. |
| | | | Using science and |
| | | | technology |
| | | | effectively and |
| | | | critically, showing |
| | | | responsibility |
| | | | towards the |
| | | | environment and health of others. |
| | | | nealli oi oliieis. |
| | | | Demonstrating and |
| | | | understanding of |
| | | | the world as a set of |
| | | | related systems by |
| | | | recognizing that |
| | | | problem-solving |
| | | | contexts do not |
| | | | exist in isolation. |
| | | | Explore and identify |
| | | | nursing/health |
| | | | trends and |
| | | | problems. |
| | | | |
| | | | Explore and reflect |
| | | | on a variety of learning and |
| | | | problem-solving |
| | | | strategies and |
| 700 | • | RULES AND REGU | |
| 700 | | | |

| | | | | | | | 1 1 (2) |
|--|---------|------|----|---|----|--|--|
| | | | | | | | develop an attitude of life-long learning. |
| | | | | | | | Understand and solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into consideration. |
| Midwifery Nursing Science Clinical Practice 2C | MNC01Y4 | 100% | 0% | 8 | 32 | The purpose of the module is to develop a competent midwife student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during preconception, normal (low risk) pregnancy, childbirth, puerperium, and neonatal period. To provide a range of comprehensive individualised, culturally sensitive care to individuals, families, groups and communities. The ability to manage selected emergency situations to maximize the health of women and their new-born infants from birth to six or eight weeks after birth. | Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problemsolving skills in the executing best care practice nursing to patients with abnormal pregnancy and neonates; abnormal labour and puerperium. Work effectively with others as a member of a team, group, organisation, community. Organizing and managing oneself and one's activities responsibly and effectively. Assess own competence based on knowledge, skills and attitudes in the nursing care of patients with abnormal pregnancy and |

| | T | | | | |
|-----|---|--|-----|------------------|----------------------------------|
| | | | | | eonates; |
| | | | | | bnormal labour |
| | | | | a | nd puerperium. |
| | | | | | Collecting, |
| | | | | | nalysing, |
| | | | | | rganizing and |
| | | | | | ritically evaluating |
| | | | | | nformation. |
| | | | | | |
| | | | | C | Communicate |
| | | | | | ffectively using |
| | | | | | isual and |
| | | | | | anguage skills in |
| | | | | | ne modes of oral |
| | | | | | nd/ or written |
| | | | | þ | resentation. |
| | | | | 111 | Ising science and |
| | | | | | echnology |
| | | | | | ffectively and |
| | | | | C | ritically, showing |
| | | | | | esponsibility |
| | | | | | owards the |
| | | | | | nvironment and |
| | | | | l n | ealth of others. |
| | | | | | emonstrating and |
| | | | | | nderstanding of |
| | | | | | ne world as a set of |
| | | | | | elated systems by |
| | | | | | ecognizing that |
| | | | | - | roblem-solving |
| | | | | | ontexts do not |
| | | | | e | xist in isolation. |
| | | | | _ | explore and identify |
| | | | | | ursing/health |
| | | | | | ends and |
| | | | | | roblems. |
| | | | | r | |
| | | | | E | explore and reflect |
| | | | | | n a variety of |
| | | | | | earning and |
| | | | | | roblem-solving |
| | | | | | trategies and evelop an attitude |
| | | | | | f life-long learning. |
| | | | | | o long loanning. |
| | | | | U | Inderstand and |
| | | | | | olve health |
| | | | | | roblems by taking |
| | | | | | ocial, economic, |
| | | | | | egal, ethical, |
| | | | | | nvironment, |
| | | | | | ultural and |
| | | | | in | emographic nfluences into |
| | | | 1 1 | • | |
| 702 | | | | RULES AND REGULA | ATIONS 2024 |

| | | | | | | | consideration. |
|-----------------|---------|------|----|---|----|---|---|
| Pharmacolog y 1 | PHM01B1 | 100% | 0% | 5 | 12 | The purpose of the module is to develop a competent student with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonization, to individuals, families, groups and communities. Best care practice nursing which is based on evidence-based nursing to promote, to prevent, to cure, rehabilitation and referral diseases and conditions related to lifestyle and burden of diseases. This will enable the student to maximize the healthcare of the South African population. | Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problemsolving skills in the executing best care practice nursing to patients with gastro-intestinal conditions. Work effectively with others as a member of a team, group, organization, community. Organizing and managing oneself and one's activities responsibly and effectively. Assess own competence based on knowledge, skills and attitudes in the nursing care of patients with respiratory conditions. Collecting, analysing, organizing and critically evaluating information. Communicate effectively using visual and language skills in the modes of oral and/ or written presentation. |

| Using science and technology effectively and critically, showing responsibility towards the environment and health of others. Demonstrating and understanding of the world as a set world | | | | | | | 1 |
|--|---------|------|----|---|----|--|--|
| Physiology 1A Physiology 1B Ph | | | | | | | technology effectively and critically, showing responsibility towards the environment and |
| Physiology 1A PHS01A1 100% 0% 5 12 The purpose of the endocrine, cardiovascular (with special reference to blood test, cardiac cycle and blood circulation). They will also be able to identify specific microscopic examples of the endocrine, cardioragical concepts. Work effectively with others as a | | | | | | | understanding of the world as a set of related systems by recognizing that problem-solving contexts do not |
| Physiology 1A PHS01A1 100% 15 Physiology 16 Physiology 17 Physiology 18 PHS01A1 100% 16 Physiology 18 PHS01A1 100% 17 Physiology 18 PHS01A1 100% 18 PHS01A1 100% 19 PHS01A1 100% 10 Physiology 10 Physiological 10 Physiology 10 Physio | | | | | | | nursing/health trends and |
| Physiology 1A PHS01A1 PHS01A1 Physiology 1A PHS01A1 | | | | | | | on a variety of learning and problem-solving strategies and develop an attitude |
| module is to enable the student to explain histological and functional aspects of the endocrine, cardiovascular (with special reference to blood test, cardiac cycle and blood circulation). They will also be able to identify specific microscopic examples of the endocrine system problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiol ogical/Biological concepts. Work effectively with others as a | | | | | | | solve health problems by taking social, economic, legal, ethical, environment, cultural and demographic influences into |
| endocrine system with others as a | PHS01A1 | 100% | 0% | 5 | 12 | module is to enable the student to explain histological and functional aspects of the endocrine, cardiovascular (with special reference to blood test, cardiac cycle and blood circulation). They will also be able to identify specific microscopic | Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiol ogical/Biological concepts. |
| | | | | | | endocrine system | with others as a |

| Physiology | PHS01B1 | 100% | 0% | 5 | 13 | and to explain functional aspects thereof. They will also be able to use his/her knowledge of the lymphatic system to explain nonspecific defence mechanisms of the body and refer to basic concepts of immunity. This module further enables the student to explain histological and functional aspects of the respiratory, digestive and urinary systems, and the basic principles of the pulmonary ventilation and the formation of urine. He/she will also be able to discuss histological and functional adaptations of the male and female reproductive systems, oogenesis, spermatogenesis, the process of fertilisation, pregnancy, parturition and foetal circulation and changes that take place after birth. | attendance of lectures and self-study. Collect, analyse, organise and critically evaluate information by means of preparation of the project. Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. Demonstrate an understanding of |
|------------|---------|------|----|---|----|---|--|
| 1B 705 | | | | | | module is to enable the student to explain histological and functional aspects of the endocrine, cardiovascular (with special reference to blood test, cardiac cycle and blood circulation). They will also be able to identify specific | problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiol ogical/Biological concepts. |

| | | | | | | endocrine system and to explain functional aspects thereof. They will also be able to use his/her knowledge of the lymphatic system to explain nonspecific defence mechanisms of the body and refer to basic concepts of immunity. This module further enables the student to explain histological and functional aspects of the respiratory, digestive and urinary systems, and the basic principles of the pulmonary ventilation and the formation of urine. He/she will also be able to discuss histological and functional adaptations of the male and female reproductive systems, oogenesis, spermatogenesis, the process of fertilisation, pregnancy, parturition and foetal circulation and changes that take place after birth. | member of a team, group, organisation or community by means of project presentations. Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. Collect, analyse, organise and critically evaluate information by means of preparation of the project. Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. Demonstrate an understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation through the different physiological concepts. |
|---------------|---------|------|----|---|----|--|--|
| Physiology 2A | PHS01A2 | 100% | 0% | 6 | 12 | The purpose of this module is to describe the relationship between the structure and the specialised functions of cells, integument, skeleton and muscles, explain the principles of | Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic |

| | | | | | | neurophysiology, nervous and endocrine systems predict the effect of aging on each of the above-mentioned systems and identify examples of interactions between other organ systems to develop students reasoning to assess health-related needs and problems in humans. | Anatomical/Physiol ogical/Biological concepts. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. |
|------------------|---------|------|----|---|----|--|---|
| | | | | | | | Collect, analyse, organise and critically evaluate information by means of preparation of the project. Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. |
| | | | | | | | Demonstrate an understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation through the different Physiological concepts. |
| Physiology 2B | PHS01B2 | 100% | 0% | 6 | 13 | The purpose of this module is to describe the relationship between the structure and the specialised functions of the cardiovascular, immunity and | Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been |

| | | | | | | respiratory systems, digestive, excretory and reproductive systems, predict the effect of aging on each of the abovementioned systems and identify examples of interactions between other organ systems to develop students reasoning to assess health-related needs and problems in humans. | made regarding basic Anatomical/Physiol ogical/Biological concepts. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. |
|--------------|---------|-----|-----|---|---|--|--|
| | | | | | | | Collect, analyse, organise and critically evaluate information by means of preparation of the project. |
| | | | | | | | Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. |
| | | | | | | | Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different Physiological concepts. |
| Psychology 1 | PSY1AA1 | 50% | 50% | 5 | 6 | The purpose of this subject is to introduce the students to the | Identify and solve problems in which responses demonstrate that |

| Research RSI Methodology | SM01Y3 100% | 0% | 8 | 8 | observation alone. Psychology consists of multiple perspectives (e.g., developmental, social, and biological) that, when integrated, give us a broader context for understanding human behaviour. This will equip the student with knowledge of psychology. They will understand the Basis of human behaviour equipping the student with knowledge of the concepts related to psychology. The students will be able to articulate and apply the knowledge to the content of this module to the outcomes of the other modules related to nursing and midwifery. This will enable the student to maximize the healthcare of the South African population. The aim is to develop the following | effectively by the attendance of lectures and self-study. Collect, analyse, organise and critically evaluate information by means of preparation of the project. Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different anatomical concepts. |
|--------------------------|-------------|----|---|---|--|---|
| 709 | | | | | practical, | which responses |

| | | | | foundational and | indicate that |
|-----|--|---|--|--|--|
| | | | | reflective | responsible |
| | | | | competencies: | decisions using |
| | | | | Research, fieldwork | critical and creative |
| | | | | fieldwork, experimental, | thinking have been made. |
| | | | | professional, | made. |
| | | | | technological | Internalisation of |
| | | | | leadership and | logical, critical, |
| | | | | consultation skills. | creative, reflective |
| | | | | Knowledge of | and problem- |
| | | | | and insight into the | solving skills for |
| | | | | research process | executing the |
| | | | | focusing on | research process |
| | | | | reasoning, problem- | Working effectively with others as a |
| | | | | solving, analysis, synthesis, | member of a team, |
| | | | | interpretation, | group organisation |
| | | | | comparison, | or community. |
| | | | | evaluation, | · · · · · · · · · · · · · · · · · · · |
| | | | | formulation and | Working in groups |
| | | | | communication of | when solving health |
| | | | | research data. | problems by means |
| | | | | • | of the research |
| | | | | Competencie | process. |
| | | | | s and skills in innovation and the | Organising and |
| | | | | application of | managing oneself |
| | | | | knowledge in new | and one's activities |
| | | | | contexts as well as | responsibly and |
| | | | | decision-making, | effectively. |
| | | | | strategic thinking, | |
| | | | | self-directedness, | Assess own |
| | | | | organization and | competence, based |
| | | | | teamwork.Benefits for | on the knowledge, skills and attitudes |
| | | | | Benefits for the Student: | for research |
| | | | | • The modules | methodology. |
| | | | | add significant value | |
| | | | | to the student's | Plan a research |
| | | | | competence in terms | project, based on |
| | | | | of the following: | theoretical and |
| | | | | • Development | methodological |
| | | | | of life-skills and | knowledge, skills and attitudes. |
| | | | | leadership skills.Development | and allitudes. |
| | | | | of problem-solving | Collecting, |
| | | | | and critical thinking | analysing, |
| | | | | skills. | organising and |
| | | | | Development | critically evaluation |
| | | | | of logical reasoning. | information. |
| | | | | Preparation | |
| | | | | to conduct individual | Communicate the |
| | | | | or team research as a novice researcher. | results of the research process |
| | | | | Benefits to | by using visual, |
| | | | | Society | statistical and |
| | | | | • On | linguistic skills in |
| 710 | | • | | RULES AND REG | |

oral and completion of the written module the student format. will contribute to society in terms of Use technology the following: effectively in the Improvement execution of the of the quality of the research process. nursing/health care Communicating bγ preparing to implement effective effectively usina research and visual. problem-solving mathematical skills. and/or language Promotion of skills in the modes ethical values oral/written of nursing/health persuasion. practices. Improvement Understand and of nursing/health solve health care by implementing problems by taking leadership and social, economic, consultation skills. legal, ethical, environmental, Exit outcomes and cultural and demographic assessment criteria: The influences student into demonstrates the consideration. ability to conduct research in Explore and reflect investigating nursing on a variety of health-related learning and problems in order to problem-solving improve quality of strategies and develop an attitude care. for life-long learning and management skills with regard to research methodology. Using science and technology effectively and critically, showing responsibility towards the environment and health of others. Explore and identify nursing/health trends problems in society to improve people's health. Demonstrate cultural sensitivity

| | | | | | | | when conducting the research process. Explore clinical, managerial and educational career opportunities as reflective leader. Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation |
|------------------|---------|------|----|---|---|---|---|
| Research Project | RSP01Y4 | 100% | 0% | 8 | 8 | The aim is to develop the following practical, foundational and reflective competencies: Research, fieldwork, experimental, professional, technological leadership and consultation skills. Knowledge of and insight into the research process focusing on reasoning, problemsolving, analysis, synthesis, interpretation, comparison, evaluation, formulation and communication of research data. Competencie s and skills in innovation and the application of knowledge in new contexts as well as decision-making, strategic thinking, self-directedness, organization and teamwork. Benefits for | Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made. Internalisation of logical, critical, creative, reflective and problemsolving skills for executing the research process Working effectively with others as a member of a team, group organisation or community. Working in groups when solving health problems by means of the research process. Organising and managing oneself and one's activities responsibly and effectively. Assess own competence, based on the knowledge, skills and attitudes |

| | ı | | | | | | |
|-----|---|---|---|---|---|----------------------------------|------------------------|
| | | | | | | the Student: | for research |
| | | | | | | • The modules | methodology. |
| | | | | | | add significant value | |
| | | | | | | to the student's | Plan a research |
| | | | | | | | |
| | | | | | | competence in terms | project, based on |
| | | | | | | of the following: | theoretical and |
| | | | | | | Development | methodological |
| | | | | | | of life-skills and | knowledge, skills |
| | | | | | | leadership skills. | and attitudes. |
| | | | | | | Development | aria attitudos. |
| | | | | | | | 0 - 11 4: |
| | | | | | | of problem-solving | Collecting, |
| | | | | | | and critical thinking | analysing, |
| | | | | | | skills. | organising and |
| | | | | | | Development | critically evaluation |
| | | | | | | of logical reasoning. | information. |
| | | | | | | Preparation | iniormation. |
| | | | | | | | 0 |
| | | | | | | to conduct individual | Communicate the |
| | | | | | | or team research as | results of the |
| | | | | | | a novice researcher. | research process |
| | | | | | | Benefits to | by using visual, |
| | | | | | | Society | statistical and |
| | | | | | | • On | linguistic skills in |
| | | | | | | = | _ |
| | | | | | | completion of the | oral and written |
| | | | | | | module the student | format. |
| | | | | | | will contribute to | |
| | | | | | | society in terms of | Use technology |
| | | | | | | the following: | effectively in the |
| | | | | | | • Improvement | execution of the |
| | | | | | | · | |
| | | | | | | of the quality of the | research process. |
| | | | | | | nursing/health care | |
| | | | | | | by preparing to | Communicating |
| | | | | | | implement effective | effectively using |
| | | | | | | research and | visual, |
| | | | | | | problem-solving | mathematical |
| | | | | | | ı · | |
| | | | | | | skills. | and/or language |
| | | | | | | Promotion of | skills in the modes |
| | | | | | | ethical values in | of oral/written |
| | | | | | | nursing/health | persuasion. |
| | | | | | | practices. | • |
| | | | | | | • Improvement | Understand and |
| | | | | | | <u> </u> | solve health |
| | | | | | | | |
| | | | | | | care by implementing | problems by taking |
| | | | | | | leadership and | social, economic, |
| | | | | | | consultation skills. | legal, ethical, |
| | | | | | | | environmental, |
| | | | | | | Exit outcomes and | cultural and |
| | |] |] | | | assessment criteria: | demographic |
| | | | | | | | |
| | |] |] | | | The student | influences into |
| | | | | | | demonstrates the | consideration. |
| | | | | | | ability to conduct | |
| | | | | | | research in | Explore and reflect |
| | | | | | | investigating nursing | on a variety of |
| | | | | | | and health-related | learning and |
| | | | | | | | |
| | | | | | | problems in order to | problem-solving |
| | | | | | | improve quality of | |
| | | | | | | care. | develop an attitude |
| | | | | | | | for life-long learning |
| | | | | | | | and management |
| | • | | • | • | • | DI II EO AND DE C | |
| 713 | | | | | | RULES AND REG | JLATIONS 2024 |

| | | | | | | | skills with regard to research methodology. Using science and technology effectively and critically, showing responsibility towards the environment and health of others. Explore and identify nursing/health trends and problems in society to improve people's health. Demonstrate cultural sensitivity when conducting the research process. Explore clinical, managerial and educational career opportunities as reflective leader. |
|-------------|---------|-----|-----|---|---|---|---|
| | | | | | | | Demonstrating and understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation |
| Sociology 1 | SOC1AA1 | 50% | 50% | 5 | 6 | The purpose of this subject is to introduce the students to the discipline of Sociology. Sociological theory offers important analytical tools to interpret and enhance understanding of social life and the social world in which we live in. In this learning unit, theoretical | with others as a member of a team, group, organisation or community by means of project |

| | | | | | | perspectives and arguments will be offered. This will equip the student with knowledge of sociology. They will understand the Basis of human behaviour within a society equipping the student with knowledge of the concepts related to sociology. The students will be able to articulate and apply the knowledge to the content of this module to the outcomes of the other modules related to nursing and midwifery. This will enable the student to maximize the healthcare of the South African population. | presentations. Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. Collect, analyse, organise and critically evaluate information by means of preparation of the project. Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. Demonstrate an understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation through the different anatomical concepts. |
|--------------|---------|-----|-----|---|---|--|--|
| Sociology 2A | SOC2AA2 | 50% | 50% | 6 | 6 | The purpose of this subject is to introduce the students to the discipline of Sociology. Sociological theory offers important analytical tools to interpret and enhance understanding of social life and the social world in which we live in. In this learning unit, theoretical perspectives and | Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Sociology. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. |

| | | | | | | arguments will be offered. This will equip the student with knowledge of sociology. They will understand the Basis of human behaviour within a society equipping the student with knowledge of the concepts related to sociology. The students will be able to articulate and apply the knowledge to the content of this module to the outcomes of the other modules related to nursing and midwifery. This will enable the student to maximize the healthcare of the South African population. | Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. Collect, analyse, organise and critically evaluate information by means of preparation of the project. Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. Demonstrate an understanding of the world as a set of related systems by recognizing that problem-solving contexts do not exist in isolation through the different anatomical |
|--|---------|-----|-----|---|---|---|---|
| Psychology 2A: Development al Psych | PSY2AA2 | 50% | 50% | 6 | 6 | The purpose of this subject is to understand Child development Theories and Data Gathering Methods, principles of Growth and Development, parental development, Birth and the New-born's Readiness for Life, Infancy, physical Self-development of the Brain, the body and Motor Skills, Cognitive Development: Piaget's Theory and Vygotsky's Socio- | Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding psychology. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. Organise and |

Cultural Viewpoint, **Emotional** Development and the Establishment Intimate Relationships, development of the and Self Social Cognition, sex Difference and Gender-Role Development, Aggression Altruism Moral and development and finally the Family, peers, school and technology. Psychological science provides us with explanations for behaviour that we otherwise might not from know direct observation alone. Psychology consists of multiple perspectives (e.g., developmental, social, and biological) that, when integrated, give us a broader context for understanding human behaviour. This will equip the student with knowledge of psychology. They will understand the Basis of human behaviour equipping the student with knowledge of the concepts related to psychology. The students will be able articulate and apply the knowledge to the content of this module to the outcomes of the other modules related to nursing and midwifery. This will enable student to maximize the healthcare of the

manage oneself and one's activities responsibly and effectively by the attendance of lectures and selfstudy.

Collect, analyse, organise and critically evaluate information by means of preparation of the project.

Communicate
effectively using
visual,
mathematical
and/or language
skills in the modes
of an oral and
written project
presentation.

Demonstrate an understanding of the world as a set of related systems by recognizing that problem-solving do contexts not exist in isolation through the different psychological concepts.

| | | | South | African | |
|--|--|--|-------------|---------|--|
| | | | population. | | |

POSTGRADUATE DIPLOMA IN MIDWIFERY (E9MW1Q)

| Name | Code | %000 Weight | EM Weight | Level | Credits | Purpose | Outcome |
|---|---------|----------------|--------------|-------|---------|--|---|
| Ethical Legal Professional Frameworks | ELP8X01 | 100% | 0% | 8 | 8 | The purpose of this module is to: Develop the specialist students' knowledge, attributes related to the ethical-legal-professional frameworks in the provision of comprehensive care to women throughout their reproductive cycle, families and communities. | The midwife specialists will: Practice and facilitate midwifery care within ethical-legal parameters of the profession. Utilize evidence-based practices to solve contextual problems and develop policies and guidelines within the context of midwifery. Facilitating lifelong learning and self-directedness to sustain competence. Facilitate advocacy for midwifery practice through collaboration with all stakeholders. Engage in planning, commissioning and managing of a midwifery unit. |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in midwifery. | The midwife specialists will: Engage in scholarly activities to inform evidenced based midwifery practice. Utilize, manage and communicate data to support decision-making and research. |
| Normal and Abnormal Pregnancy | NAP8X01 | 100% | 0% | 8 | 8 | To empower the midwife specialist student with knowledge, skills and values needed during the nursing process and to practice within ethical-legal- | To empower the midwife specialist student with knowledge, skills and values needed during the nursing process and to practice within ethical-legal-professional parameters of the midwife, to assess, plan, |

| | | | | | | professional parameters of the midwife, to assess, plan, implement, manage the woman and her family during preconception, and antenatal period. | implement, manage the woman and her family during preconception, and antenatal period. |
|--------------------------------------|---------|------|----|---|----|--|--|
| Normal and Abnormal Labour | NAL8X02 | 100% | 0% | 8 | 8 | To empower the midwife specialist student with knowledge, skills and values to use during the nursing process and to practice within ethical-legal-professional parameters of the midwife, to promote, restore and maintain the health of individuals within the family during normal and abnormal labour. | Demonstrate the knowledge, understanding of the physiology of normal and abnormal labor. Demonstrate the knowledge, understanding and skills to apply nursing process in management of highrisk pregnant woman during labor, within ethical, legal, and professional frameworks. Use appropriate skills during the mechanism of labor to prevent avoidable complications during labor. Manage high-risk pregnant women presenting with obstetrical emergencies. |
| Clinical Practice in Midwifery | CPM8XY1 | 100% | 0% | 8 | 40 | To empower the midwife specialist student with knowledge, skills and values needed during the nursing process and to practice within ethical-legal-professional parameters of the midwife, to assess, plan, implement, manage the woman and her family during preconception, and antenatal period. | Demonstrate the ability utilize knowledge, skills and values to practice within the ethical, legal and professional frame works to assess, plan, implement necessary interventions to manage the woman and preconception, and the antenatal period comprehensively. |
| Postnatal Care | PSC8X02 | 100% | 0% | 8 | 8 | To empower the midwife specialist student with knowledge, skills | Demonstrate the knowledge and understanding of |

| | | | | | | and values to use during the nursing process and to practice within ethical-legal-professional parameters of the midwife, to promote, restore and maintain the health of individuals within the family during postnatal care. | physiologic homeostasis during puerperium. Use nursing process to manage adaptation in a high-risk postnatal woman and her family, within ethical, legal and professional frameworks. Demonstrate the knowledge and understanding of the nursing process during comprehensive management of a high-risk postnatal woman within legal, ethical and professional frameworks. Apply nursing process in management of obstetrical emergencies during postnatal care, using the steps of the nursing process, within ethical, legal and professional frameworks. |
|-------------|---------|------|----|---|---|--|---|
| The Neonate | NEO8X02 | 100% | 0% | 8 | 8 | To empower the midwife specialist student with knowledge, skills and values to use during the nursing process while practicing within ethical-legal-professional parameters of the midwife, to promote, restore and maintain the health of individuals within the family during neonatal care. | Demonstrate the ability to apply the nursing process in management of physiological changes that occur at birth in the high-risk neonate's transition to extra-uterine homeostasis while practicing within ethical, legal and professional frameworks. Demonstrate the knowledge and understanding to apply nursing process during comprehensive management of a high-risk neonate within the legal, ethical and professional frameworks. Demonstrate the ability to apply the nursing process during comprehensive management of danger signs of a high-risk |

| Clinical Practice Midwifery 2 | CPM8XY2 | 100% | 0% | 8 | 40 | To empower the midwife specialist student with knowledge, skills and values to use during the nursing process and to practice within ethical-legal-professional parameters of the midwife, to promote, restore and maintain the health of individuals within the family during labour, postnatal and neonatal care. | neonate within ethical, legal and professional frameworks. Demonstrate the ability to apply the nursing process in the management of complications of a highrisk neonate within ethical, legal and professional frameworks. Demonstrate the ability utilize knowledge, skills and values to practice within the ethical legal framework in the management of a low and high-risk woman during the intrapartum, postnatal and neonatal periods to promote, restore and maintain the health of individuals comprehensively while practicing within ethical, legal and professional frameworks. |
|-------------------------------------|---------|------|----|---|----|---|--|
|-------------------------------------|---------|------|----|---|----|---|--|

POSTGRADUATE DIPLOMA IN CRITICAL CARE NURSING (ADULT) (E9IC1Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Content |
|---|---------|--------------|--------------|-------|---------|---|--|
| Ethical Legal Professional Frameworks | ELP8X01 | 100% | 0% | 8 | 8 | The purpose of the module is to develop a competent specialist adult critical care nurse with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the ethical-legal-professional framework to promote, restore and maintain the health of individuals, | The specialist student will be able to practice and facilitate specialised adult critical care within ethical-legal-professional parameters of the nursing profession. |

| | | | | | | families, groups | |
|----------------------------------|---------|------|----|---|----|---|---|
| | | | | | | and communities | |
| | | | | | | during their training | |
| | | | | | | as caring | |
| | | | | | | professionals. To | |
| | | | | | | provide a range of | |
| | | | | | | comprehensive | |
| | | | | | | individualised, | |
| | | | | | | culturally sensitive | |
| | | | | | | care, in line with de- | |
| | | | | | | colonisation, to | |
| | | | | | | individuals, | |
| | | | | | | families, groups | |
| | | | | | | and communities. Specialised best | |
| | | | | | | care practice | |
| | | | | | | nursing which is | |
| | | | | | | evidence-based to | |
| | | | | | | promote, prevent, | |
| | | | | | | cure, rehabilitate | |
| | | | | | | and refer diseases | |
| | | | | | | and conditions | |
| | | | | | | related to lifestyle | |
| | | | | | | and burden of | |
| | | | | | | diseases. This will | |
| | | | | | | enable the | |
| | | | | | | specialist adult critical care nurse | |
| | | | | | | to maximise | |
| | | | | | | healthcare of the | |
| | | | | | | South African | |
| | | | | | | | |
| | | | | | | population. | |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of | Module outcome: |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to | The specialist |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the | The specialist student will be able |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist | The specialist student will be able to identify the |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with | The specialist student will be able to identify the problem, diagnose |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills | The specialist student will be able to identify the problem, diagnose and recommend |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to | The specialist student will be able to identify the problem, diagnose and recommend opportunities for |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care |
| Research Cardiology and | REN8XY1 | 100% | 0% | 8 | 8 | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care |
| | | | | | | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. |
| Cardiology and | | | | | | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. |
| Cardiology and Cardiothoracic | | | | | | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. The purpose of this module is to | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. |
| Cardiology and Cardiothoracic | | | | | | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. The purpose of this module is to provide the critical | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. Upon completion of critical care modules, the learner will be able to contribute to the critical |
| Cardiology and Cardiothoracic | | | | | | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. The purpose of this module is to provide the critical care specialist student with | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. Upon completion of critical care modules, the learner will be able to contribute to the critical care community in terms |
| Cardiology and Cardiothoracic | | | | | | The purpose of this module is to provide the specialist student with knowledge skills and values to enable them to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. The purpose of this module is to provide the critical care specialist | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in a critical care discipline. Upon completion of critical care modules, the learner will be able to contribute to the critical |

| | | | 1 | 1 | | to openie | Improvement ! 41 |
|--------------|---------|----------|----|---|---|-----------------------|--------------------------------|
| | | | | | | to assess, plan, | Improvement in the |
| | | | | | | implement, | quality of critical care |
| | | | | | | manage and | nursing/ health care |
| | | | | | | evaluate the | through the |
| | | | | | | advanced and | implementation of |
| | | | | | | specialised medical | effective decision- |
| | | | | | | and surgical | making and problem- |
| | | | | | | conditions of the | solving skills within the |
| | | | | | | cardiology system | community of critical |
| | | | | | | of the critically ill | care service delivery at |
| | | | | | | | _ |
| | | | | | | patient within the | local and national levels |
| | | | | | | legal-ethical | within the private and |
| | | | | | | framework of the | public curative health |
| | | | | | | nursing profession, | care service delivery |
| | | | | | | basic and | context |
| | | | | | | advanced sciences | Promotion of ethical |
| | | | | | | and family | values in critical care |
| | | | | | | relations. | nursing/ health care |
| | | | | | | | practice |
| | | | | | | | Improvement of critical |
| | | | | | | | care nursing/ health care |
| | | | | | | | within the private and |
| | | | | | | | public curative health |
| | | | | | | | · · |
| | | | | | | | care context through the |
| | | | | | | | implementation of |
| | | | | | | | decision-making and |
| | | | | | | | problem-solving skills |
| | | | | | | | Promotion of the health |
| | | | | | | | of the compromised |
| | | | | | | | critically ill individual and |
| | | | | | | | the special population |
| | | | | | | | including the critically ill |
| | | | | | | | paediatric patient; |
| | | | | | | | critically ill pregnant |
| | | | | | | | woman; as well as a |
| | | | | | | | critically ill elderly patient |
| | | | | | | | |
| | | | | | | | coming from the |
| | | | | | | | community with medical |
| | | | | | | | and surgical conditions |
| | | | | | | | through the |
| | | | | | | | implementation of |
| | | | | | | | clinical advocacy/ |
| | | | | | | | consultation and |
| | | | | | | | management and |
| | | | | | | | research skills |
| Pulmonology | PSP8X01 | 100% | 0% | 8 | 8 | The purpose of this | Upon completion of |
| and Specific | | | | | | module is to | critical care modules, the |
| Pulmonary | | | | | | provide the critical | learner will be able to |
| Conditions | | | | | | care specialist | contribute to the critical |
| Conditions | | | | | | • | |
| | | | | | | | care community in terms |
| | | | | | | knowledge, skills | of the following: |
| | | | | | | and values with | □ Improvement in the |
| | | | | | | reference to the | quality of critical care |
| | | | | | | assessment, | nursing/ health care |
| | | <u> </u> | | L | | planning, | through the |
| | | | • | | | | |

| | | | | | | implementing | implementation of |
|--|---------|------|----|---|----|--|--|
| | | | | | | implementing, managing and evaluation of the advanced and specialised medical and surgical conditions of the pulmonology system in order to maintain ventilation in the critically ill patient, improve diffusion over the pulmonary membrane and to maximise the provision of oxygen to and removal of carbon dioxide from the tissue by means of quality clinical decision making within the legalethical framework of the nursing profession, basic and advanced sciences and family relations. | implementation of effective decision-making and problemsolving skills within the community of critical care service delivery at local and national levels within the private and public curative health care service delivery context Promotion of ethical values in critical care nursing/ health care practice Improvement of critical care nursing/ health care within the private and public curative health care context through the implementation of decision-making and problem-solving skills Promotion of the health of the compromised critically ill individual and the special population including the critically ill paediatric patient; critically ill pregnant woman; as well as a critically ill placelatric patient; critically ill elderly patient coming from the community with medical and surgical conditions through the implementation of clinical advocacy/ consultation and management and research skills. |
| Clinical Practice in Adult Critical Care | CPA8XY1 | 100% | 0% | 8 | 40 | The purpose of the Postgraduate Diploma in Critical Care Nursing (Adult) is to strengthen and deepen the students' knowledge and expertise in adult critical care as a specialty of the nursing profession. It is designed to | Upon completion of critical care modules, the learner will be able to contribute to the critical care community in terms of the following: Improvement in the quality of critical care nursing/ health care through the implementation of effective decisionmaking and problemsolving skills within the |

| | | | 1 | | | provide the best | community of critical |
|---------------|------------|-------|------|---|---|----------------------------------|--|
| | | | | | | provide the best evidenced-based | community of critical care service delivery at |
| | | | | | | adult critical care | local and national levels |
| | | | | | | | |
| | | | | | | through application | within the private and |
| | | | | | | of knowledge, | public curative health |
| | | | | | | skills, attitudes, and | care service delivery |
| | | | | | | values within the | context |
| | | | | | | ethical-legal- | Promotion of ethical |
| | | | | | | professional | values in critical care |
| | | | | | | framework during | nursing/ health care |
| | | | | | | the performance of | practice |
| | | | | | | • | • |
| | | | | | | cardiac and | Improvement of critical |
| | | | | | | pulmonary clinical | care nursing/ health care |
| | | | | | | skills and | within the private and |
| | | | | | | procedures. | public curative health |
| | | | | | | | care context through the |
| | | | | | | | implementation of |
| | | | | | | | decision-making and |
| | | | | | | | problem-solving skills |
| | | | | | | | Promotion of the health |
| | | | | | | | |
| | | | | | | | ' |
| | | | | | | | critically ill individual and |
| | | | | | | | the special population |
| | | | | | | | including the critically ill |
| | | | | | | | pediatric patient; |
| | | | | | | | critically ill pregnant |
| | | | | | | | woman; as well as a |
| | | | | | | | critically ill elderly patient |
| | | | | | | | coming from the |
| | | | | | | | community with medical |
| | | | | | | | _ |
| | | | | | | | and surgical conditions |
| | | | | | | | through the |
| | | | | | | | implementation of |
| | | | | | | | clinical advocacy/ |
| | | | | | | | consultation and |
| | | | | | | | management and |
| | | | | | | | research skills. |
| Nephrology | NEP8X02 | 100% | 0% | 8 | 8 | The purpose of this | Upon completion of |
| , ropiniology | 1121 07102 | 10070 | 0 70 | | | module is to | critical care modules, the |
| | | | | | | provide the critical | learner will be able to |
| | | | | | | • | |
| | | | | | | care specialist | contribute to the critical |
| | | | | | | student with | care community in terms |
| | | | | | | knowledge, skills | of the following: |
| | | | | | 1 | and values to be | Improvement in the |
| | | | | | | able to assess, | quality of critical care |
| | | | | | | plan, implement, | nursing/ health care |
| | | | | | | manage and | through the |
| | | | | | | evaluate advanced | implementation of |
| | | | | | | and specialised | effective decision- |
| | | | | | | · | |
| | | | | | | | |
| | | | | | | surgical conditions | solving skills within the |
| | | | | | | of the nephrology | community of critical |
| | | | | | | system of the | care service delivery at |
| | | | | | | critically ill adult | local and national levels |
| | | | | | | patient within the | within the private and |
| <u> </u> | ı | 1 | | | | | - |

| | 1 | | | | | logal othical | public curative health |
|---------------|---------|------|----|---|---|--------------------------------|--|
| | | | | | | legal-ethical framework of the | public curative health care service delivery |
| | | | | | | | context |
| | | | | | | nursing profession, | |
| | | | | | | basic and | Promotion of ethical |
| | | | | | | advanced sciences | values in critical care |
| | | | | | | and family | nursing/ health care |
| | | | | | | relations. | practice |
| | | | | | | | Improvement of critical |
| | | | | | | | care nursing/ health care |
| | | | | | | | within the private and |
| | | | | | | | public curative health |
| | | | | | | | care context through the |
| | | | | | | | implementation of |
| | | | | | | | decision-making and |
| | | | | | | | problem-solving skills |
| | | | | | | | Promotion of the health |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | critically ill individual and |
| | | | | | | | the special population |
| | | | | | | | including the critically ill |
| | | | | | | | paediatric patient; |
| | | | | | | | critically ill pregnant |
| | | | | | | | woman; as well as a |
| | | | | | | | critically ill elderly patient |
| | | | | | | | coming from the |
| | | | | | | | community with medical |
| | | | | | | | and surgical conditions |
| | | | | | | | through the |
| | | | | | | | implementation of |
| | | | | | | | clinical advocacy/ |
| | | | | | | | consultation and |
| | | | | | | | management and |
| | | | | | | | research skills. |
| Neurology and | NNS8X02 | 100% | 0% | 8 | 8 | The purpose of this | Upon completion of |
| Neurosurgery | | | | | | module is to | critical care modules, the |
| | | | | | | provide the critical | learner will be able to |
| | | | | | | care specialist | contribute to the critical |
| | | | | | | student with | care community in terms |
| | | | | | | knowledge, skills | of the following: |
| | | | | | | and values to be | - |
| | | | | | | | • |
| | | | | | | , ' | quality of critical care |
| | | | | | | plan, implement, | nursing/ health care |
| | | | | | | manage and | through the |
| | | | | | | evaluate advanced | implementation of |
| | | | | | | and specialised | effective decision- |
| | | | | | | medical and | making and problem- |
| | | | | | | surgical conditions | solving skills within the |
| | | | | | | of the neurology | community of critical |
| | | | | | | system of the | care service delivery at |
| | | | | | | critically ill adult | local and national levels |
| | | | | | | patient within the | within the private and |
| | | | | | | legal-ethical | public curative health |
| | | | | | | framework of the | care service delivery |
| | | | | | | nursing profession, | context |
| | | | | | | basic and | |
| | | | | | | Dadio and | |

| | 1 | | | | | | Dramatic: _f .u.t. i |
|---------------|---------|------|----|---|---|--|--|
| | | | | | | advanced sciences | Promotion of ethical |
| | | | | | | and family | values in critical care |
| | | | | | | relations. | nursing/ health care |
| | | | | | | | practice |
| | | | | | | | Improvement of critical |
| | | | | | | | care nursing/ health care |
| | | | | | | | within the private and |
| | | | | | | | public curative health |
| | | | | | | | care context through the |
| | | | | | | | • |
| | | | | | | | implementation of |
| | | | | | | | decision-making and |
| | | | | | | | problem-solving skills |
| | | | | | | | Promotion of the health |
| | | | | | | | of the compromised |
| | | | | | | | critically ill individual and |
| | | | | | | | the special population |
| | | | | | | | including the critically ill |
| | | | | | | | paediatric patient; |
| | | | | | | | critically ill pregnant |
| | | | | | | | woman; as well as a |
| | | | | | | | critically ill elderly patient |
| | | | | | | | coming from the |
| | | | | | | | community with medical |
| | | | | | | | _ |
| | | | | | | | and surgical conditions through the |
| | | | | | | | 3 |
| | | | | | | | implementation of |
| | | | | | | | clinical advocacy/ |
| | | | | | | | consultation and |
| | | | | | | | management and |
| | | | | | | | research skills |
| General | SSE8X02 | 100% | 0% | 8 | 8 | The purpose of this | Upon completion of |
| Surgery, | | | | | | module is to | critical care modules, the |
| Sepsis, and | | | | | | provide the learner | learner will be able to |
| Endocrinology | | | | | | with specialised | contribute to the critical |
| | | | | | | and advanced | care community in terms |
| | | | | | | knowledge, skills | of the following: |
| | | | | | | and values with | Improvement in the |
| | | | | | | regard to the | quality of critical care |
| | | | | | | assessment, | nursing/ health care |
| | | | | | | planning, | through the |
| | | | | | | implementation, | implementation of |
| | | | | | | • | • |
| | | | | | | management and | effective decision- |
| | | | | | | evaluation of | making and problem- |
| | | | | | | medical and | solving skills within the |
| | | | | | | surgical nursing | community of critical |
| | | | | | | problems and | care service delivery at |
| | | | | | | conditions involving | local and national levels |
| | | | | | | general surgery, | within the private and |
| | | | | | | sepsis, | public curative health |
| | | | | | | endocrinology and | care service delivery |
| 1 | | | | | i | l | - |
| | | | | | | shock in the | context |
| | | | | | | shock in the critically ill patient | context Promotion of ethical |
| | | | | | | | |
| | | | | | | critically ill patient within the legal- | Promotion of ethical values in critical care |
| | | | | | | critically ill patient | Promotion of ethical |

| Clinical | CPA8XY2 | 100% | 0% | 8 | 32 | profession, basic and advanced sciences and family relations. | Improvement of critical care nursing/ health care within the private and public curative health care context through the implementation of decision-making and problem-solving skills Promotion of the health of the compromised critically ill individual and the special population including the critically ill pediatric patient; critically ill pregnant woman; as well as a critically ill elderly patient coming from the community with medical and surgical conditions through the implementation of clinical advocacy/ consultation and management and research skills. Upon completion of |
|---|---------|------|----|---|----|--|---|
| Practice in Adult Critical Care 2 | | | | | | Postgraduate Diploma in Critical Care Nursing (Adult) is to strengthen and deepen the students' knowledge and expertise in adult critical care as a specialty of the nursing profession. It is designed to provide the best evidenced-based adult critical care through application of knowledge, skills, attitudes, and values within the ethical-legal- professional framework during the performance of cardiac and pulmonary clinical skills and procedures. | critical care modules, the learner will be able to contribute to the critical care community in terms of the following: Improvement in the quality of critical care nursing/ health care through the implementation of effective decision-making and problemsolving skills within the community of critical care service delivery at local and national levels within the private and public curative health care service delivery context Promotion of ethical values in critical care nursing/ health care practice Improvement of critical care within the private and public curative health care within the private and public curative health care within the private and public curative health |

| | care context through the |
|--|--------------------------------|
| | implementation of |
| | decision-making and |
| | problem-solving skills |
| | Promotion of the health |
| | of the compromised |
| | critically ill individual and |
| | the special population |
| | including the critically ill |
| | pediatric patient; |
| | critically ill pregnant |
| | woman; as well as a |
| | critically ill elderly patient |
| | |
| | coming from the |
| | community with medical |
| | and surgical conditions |
| | through the |
| | implementation of |
| | clinical advocacy/ |
| | consultation and |
| | management and |
| | research skills |
| | 1000ai oii oiliilo |

POSTGRADUATE DIPLOMA IN NURSING EDUCATION (E9ED1Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Content |
|---|-------------|--------------|--------------|-------|---------|---|--|
| Ethical Legal Professional Frameworks | ELP8X 01 | 100% | 0% | 8 | 8 | The purpose of this module is to develop the nursing education specialist students' knowledge, relevance, and applicability of ethical-legal-professional frameworks in the practice of Nursing Education and knowledge of management principles and processes and procedures as applied to Nursing | The nursing education specialists will: Practice and facilitate specialist nursing education within ethical-legal parameters of the profession Apply the knowledge of and facilitate evidence-based practice, nursing education in the specialist field to solve contextual problems and develop policies and guidelines. Appraise and develop self, peers and nurse/midwife specialist students by |

| | | | | | | Education practice. | facilitating self-directedness/leaders hip and lifelong learning to maintain competence Facilitate advocacy for the profession and provision of specialist professional support for personnel, patients, families, and communities Engage in planning, commissioning, and managing an educational entity |
|-------------------------------------|-------------|------|----|---|----|--|--|
| Research in Nursing Education | REN8X Y1 | 100% | 0% | 8 | 10 | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in nursing education. | Purpose Outcomes The nursing education specialists will: Engage in scholarly activities to inform evidenced based practice, education or management Utilize, manage and communicate data to support decisionmaking and research. |
| Didactics | DID8X0 | 100% | 0% | 8 | 8 | The nursing education specialist students facilitates teaching and learning of students, patients/clients, families and communities in conducive theoretical, simulation, online and clinical | The nursing education specialists will: Facilitate teaching and learning of students, patients/clients, families and communities in conducive theoretical, simulation, online and clinical learning environments. |

| | | | | | | learning environments. Provide nursing education specialist student with knowledge, skills and attitude to design, implement, evaluate or review a programme or curriculum for teaching and learning of nurse specialist /midwife specialists. | The nursing education specialists will: Design, implement, evaluate or reviews a programme or curriculum for teaching and learning of nurse/midwife specialists. |
|--|-------------|------|----|---|---|--|--|
| Curriculum Orientation and Design | COG8X 01 | 100% | 0% | 8 | 8 | Provide nursing education specialist student with knowledge, skills and attitude to design, implement, evaluate or review a programme or curriculum for teaching and learning of nurse specialist /midwife specialists. | The nursing education specialists will: Design, implement, evaluate or reviews a programme or curriculum for teaching and learning of nurse/midwife specialists. |
| Teaching and Learning Strategies and Media | TLS8X0 2 | 100% | 0% | 8 | 8 | The purpose of this module is provide the nursing education specialist student with knowledge and skills to facilitates teaching and learning of students, patients/clients, families and communities in conducive theoretical, simulation, online | The nursing education specialists will: Facilitate teaching and learning of students, patients/clients, families and communities in conducive theoretical, simulation, online and clinical learning environments using different teaching strategies and media. |

| | | | | | | and clinical learning environments and apply different teaching and learning strategies and media in the facilitation of learning in nursing education practice appropriately. | |
|--|-------------|------|----|---|---|--|--|
| Assessment and Evaluation Strategies | AEL8X 02 | 100% | 0% | 8 | 8 | Learning outcomes, teaching and learning approaches and assessment demonstrate critical analysis of the different knowledge taxonomies and are aligned accordingly and assessment and evaluation strategies are appropriately used in teaching and learning activities in the practice of nursing education. | The nursing education specialists will be able to: Engage in and facilitate assessment and evaluation of learning. |
| Contemporar y Dynamics in Nursing Education | CDN8X 02 | 100% | 0% | 8 | 8 | The specialist student will engagement in teaching and learning activities demonstrates appropriate personal attributes (integrity, confidence, flexibility, mastery of subject matter, etc.), role model | The nursing education specialists will be able to: Apply knowledge of national and global contemporary dynamics impacting Nursing Education |

| | | | | | | teaching and facilitate learning. Participate in and facilitate external stakeholder engagement. Participates in the governance structures of higher education institution and earns recognition of nursing education. | |
|----------------------------------|-------------|------|----|---|----|--|---|
| Nursing Education Practice | PNE8X Y2 | 100% | 0% | 8 | 72 | To strengthen and deepen the knowledge and skills of Nursing Education specialists and enable them to facilitate teaching, learning and assessment of students, patients/clients, families and communities in conducive simulation, online and clinical learning environments. | The nursing education specialists will: Apply the knowledge, skills and attitude of and facilitate the management of the nursing education institution Apply knowledge, skills and attitude of and facilitate learning in Nursing Education Practice. |

POSTGRADUATE DIPLOMA IN PRIMARY CARE NURSING (E9PC1Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|---|---------|--------------|--------------|-------|---------|---|--|
| Ethical Legal Professional Frameworks | ELP8X01 | 100% | 0% | 8 | 8 | The purpose of the module is to develop a competent specialist primary care nurse specialist with appropriate knowledge, skills and attitudes needed, the application of primary care nursing within the professional, legal-ethical framework to promote, restore and maintain the health of individuals, families, groups, and communities during their training as caring professionals. | The primary care nurse specialist student will be able to practice and facilitate primary care nursing within ethical-legal-professional parameters of the profession. |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | The purpose of the module is to develop a competent specialist primary care nurse specialist with specialized best primary care nursing practice, which is evidence-based to promote, prevent, cure, rehabilitate and refer diseases and conditions related to lifestyle and burden of diseases. | The primary care nurse specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity and acquired research expertise in primary care nursing. |

| ENT, Eye and | ENT8X01 | 100% | 0% | 8 | 8 | The purpose of | The Primary Care Nurse |
|--------------|----------|--------|------|---|---|--------------------|----------------------------|
| - | LIVIOXUI | 100 /0 | 0 70 | 0 | 0 | | - |
| Skin System | | | | | | the module is to | specialist student will be |
| | | | | | | develop a | able to assess, |
| | | | | | | competent | diagnose, treat and care |
| | | | | | | specialist | for individual patients, |
| | | | | | | primary care | families and |
| | | | | | | nurse specialist | communities presenting |
| | | | | | | with appropriate | with health problems at |
| | | | | | | knowledge, skills | the primary care |
| | | | | | | and attitudes | facilities related to the |
| | | | | | | needed, the | ear, nose and throat |
| | | | | | | application of | (ENT), eyes and skin |
| | | | | | | primary care | (integumentary) using |
| | | | | | | nursing within | the acquired necessary |
| | | | | | | the professional, | clinical knowledge, |
| | | | | | | legal-ethical | skills, attitudes and |
| | | | | | | framework to | values. |
| | | | | | | promote, restore | |
| | | | | | | and maintain the | |
| | | | | | | health of | |
| | | | | | | individuals, | |
| | | | | | | families, groups | |
| | | | | | | and communities | |
| | | | | | | during their | |
| | | | | | | training as caring | |
| | | | | | | professionals. To | |
| | | | | | | provide a range | |
| | | | | | | of | |
| | | | | | | comprehensive | |
| | | | | | | individualized, | |
| | | | | | | culturally | |
| | | | | | | sensitive care, in | |
| | | | | | | line with de- | |
| | | | | | | colonization, to | |
| | | | | | | individuals, | |
| | | | | | | families, groups | |
| | | | | | | and | |
| | | | | | | communities. | |
| | | | | | | Specialised best | |
| | | | | | | primary care | |
| | | | | | | nursing practice, | |
| | | | | | | which is | |
| | | | | | | evidence-based | |
| | | | | | | | |
| | | | | | | to promote, | |
| | | | | | | prevent,cure, | |
| | | | | | | rehabilitate and | |
| | | | | | | refer diseases | |
| | | | | | | and conditions | |
| | | | | | | related to | |
| | | | | | | lifestyle and | |
| | | | | | | burden of | |
| | | | | | | diseases. This | |
| | | | | | | will enable the | |
| | | | | | | primary care | |
| | | | | | | nurse specialist | |

| | | | | | | to maximise | |
|-----------------|---------|-------|-----|---|---|--------------------|--|
| | | | | | | healthcare of the | |
| | | | | | | South African | |
| | | | | | | population. | |
| | | | | | | роријацоп. | |
| Description | DOCOVOA | 4000/ | 00/ | _ | 0 | The | The section and the section of the s |
| Respiratory and | RCS8X01 | 100% | 0% | 8 | 8 | The purpose of | The primary care nurse |
| Cardiovascular | | | | | | the module is to | specialist student will be |
| System | | | | | | develop a | able to critically and |
| | | | | | | competent | comprehensively |
| | | | | | | specialist | assess, diagnose and |
| | | | | | | primary care | safely manage, |
| | | | | | | nurse specialist | including prescribing of |
| | | | | | | with appropriate | medicine, the individual, |
| | | | | | | knowledge, skills | family and community |
| | | | | | | and attitudes | presenting at the |
| | | | | | | needed, the | primary care facility with |
| | | | | | | application of | health problems related |
| | | | | | | primary care | to the respiratory and |
| | | | | | | nursing within | cardiovascular systems. |
| | | | | | | the professional, | |
| | | | | | | legal-ethical | |
| | | | | | | framework to | |
| | | | | | | promote, restore | |
| | | | | | | and maintain the | |
| | | | | | | health of | |
| | | | | | | individuals, | |
| | | | | | | families, groups | |
| | | | | | | and communities | |
| | | | | | | during their | |
| | | | | | | training as caring | |
| | | | | | | professionals. To | |
| | | | | | | provide a range | |
| | | | | | | of | |
| | | | | | | comprehensive | |
| | | | | | | individualized, | |
| | | | | | | culturally | |
| | | | | | | sensitive care, in | |
| | | | | | | line with de- | |
| | | | | | | colonization, to | |
| | | | | | | individuals, | |
| | | | | | | families, groups | |
| | | | | | | and | |
| | | | | | | communities. | |
| | | | | | | Specialized best | |
| | | | | | | primary care | |
| | | | | | | nursing practice, | |
| | | | | | | which is | |
| | | | | | | evidence-based | |
| | | | | | | to promote, | |
| | | | | | | prevent,cure, | |
| | | | | | | rehabilitate and | |
| | | | | | | refer diseases | |
| | | | | | | and conditions | |
| | | | | | | related to | |
| | | | | | | lifestyle and | |
| <u> </u> | Î. | 1 | 1 | ı | l | | |

| | | | | | | burden of diseases. This will enable the primary care nurse specialist to maximise healthcare of the South African population. | |
|---|---------|------|----|---|----|--|---|
| Clinical Practice in Primary Care Nursing | CPP8XY1 | 100% | 0% | 8 | 28 | The purpose of the module is to develop a competent specialist primary care nurse specialist with appropriate knowledge, skills and attitudes needed, the application of primary care nursing within the professional, legal-ethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonisation, to individuals, families, groups and communities. Specialised best primary care nursing practice, which is evidence-based to promote, prevent, cure, rehabilitate and | The primary care nurse specialist student will be able to perform primary care clinical skills and procedures pertaining to ENT, eye and skin (integumentary) and respiratory and cardiovascular within the relevant legal-ethical framework. |

| | T | | | 1 | 1 | T | |
|----------------|-----------|----------|-------|---|---|--------------------|----------------------------|
| | | | | | | refer diseases | |
| | | | | | | and conditions | |
| | | | | | | related to | |
| | | | | | | lifestyle and | |
| | | | | | | burden of | |
| | | | | | | diseases. This | |
| | | | | | | will enable the | |
| | | | | | | primary care | |
| | | | | | | nurse specialist | |
| | | | | | | to maximise | |
| | | | | | | healthcare of the | |
| | | | | | | South African | |
| | | | | | | population. | |
| HIV, STI and | HSG8X02 | 100% | 0% | 8 | 8 | The purpose of | The primary care nurse |
| Genito-urinary | 1.000,102 | 10070 | 0 / 0 | | | the module is to | specialist student will be |
| System | | | | | | develop a | able to critically and |
| 1 | | | | | | · · | |
| | | | | | | competent | comprehensively |
| | | | | | 1 | specialist | assess, diagnose and |
| | | | | | 1 | primary care | safely manage, |
| | | | | | | nurse specialist | including prescribing of |
| | | | | | | with appropriate | medicine, the individual, |
| | | | | | | knowledge, skills | family and community |
| | | | | | | and attitudes | presenting at the |
| | | | | | | needed, the | primary care facility with |
| | | | | | | application of | health problems related |
| | | | | | | primary care | to Integrated Sexual |
| | | | | | | nursing within | Reproductive Health |
| | | | | | | the professional, | and Genito-urinary |
| | | | | | | legal-ethical | systems. |
| | | | | | | framework to | , |
| | | | | | | promote, restore | |
| | | | | | | and maintain the | |
| | | | | | | health of | |
| | | | | | | individuals, | |
| | | | | | | | |
| | | | | | | families, groups | |
| | | | | | | and communities | |
| | | | | | | during their | |
| | | | | | | training as caring | |
| | | | | | | professionals. | |
| | | | | | | Demonstrate | |
| | | | | | | knowledge and | |
| | | | | | | understanding of | |
| | | | | | | the management | |
| | | | | | 1 | of the common | |
| | | | | | | conditions of the | |
| | | | | | | female and male | |
| | | | | | | reproductive and | |
| | | | | | | urinary systems | |
| | | | | | | through | |
| | | | | | | constructive | |
| | | | | | | debates and use | |
| | | | | | | of treatment | |
| | | | | | | modalities: | |
| | | | | | | Ace -Inhibitor | |
| | | | | | 1 | Antibiotic | |
| | | <u> </u> | l | | 1 | AHUDIOUG | |

| | | | | | | Analgesics | |
|---|---------|------|----|---|---|--|---|
| Gastro-Intestinal system and Endocrine System | GSE8X02 | 100% | 0% | 8 | 8 | Analgesics The purpose of the module is to develop a competent specialist primary care nurse specialist with appropriate knowledge, skills and attitudes needed, the application of primary care nursing within the professional, legal-ethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonisation, to individuals, families, groups and communities. Specialised best primary care nursing practice, which is evidence-based to promote, prevent, cure, rehabilitate and refer diseases | The primary care nurse specialist student will be able to critically and comprehensively assess, diagnose and safely manage, including prescribing of medicine for the individual, family and community presenting at the primary care facility with health problems related to the gastrointestinal system and endocrine system. |
| | | | | | | and conditions related to lifestyle and burden of diseases. This will enable the primary care | |

| | | | | | | puro operialist | |
|-----------------|---------|------|----|----------|---|-----------------------------|----------------------------|
| | | | | | | nurse specialist | |
| | | | | | | to maximise | |
| | | | | | | healthcare of the | |
| | | | | | | South African | |
| | | | | | | population. | |
| Musculo- | MSC8X02 | 100% | 0% | 8 | 8 | The purpose of | The primary care nurse |
| Skeletal and | | | | | | the module is to | specialist student will be |
| Central Nervous | | | | | | develop a | able to critically and |
| System | | | | | | competent | comprehensively |
| | | | | | | specialist | assess, diagnose and |
| | | | | | | primary care | safely manage, |
| | | | | | | nurse specialist | including prescribing of |
| | | | | | | with appropriate | medicine for the |
| | | | | | | knowledge, skills | individual, family and |
| | | | | | | and attitudes | community presenting at |
| | | | | | | needed, the | the primary care facility |
| | | | | | | application of | with health problems |
| | | | | | | | related to the musculo- |
| | | | | | | primary care nursing within | |
| | | | | | | • | • |
| | | | | | | the professional, | central nervous |
| | | | | | | legal-ethical | systems. |
| | | | | | | framework to | |
| | | | | | | promote, restore | |
| | | | | | | and maintain the | |
| | | | | | | health of | |
| | | | | | | individuals, | |
| | | | | | | families, groups | |
| | | | | | | and communities | |
| | | | | | | during their | |
| | | | | | | training as caring | |
| | | | | | | professionals. To | |
| | | | | | | provide a range | |
| | | | | | | of | |
| | | | | | | comprehensive | |
| | | | | | | individualised, | |
| | | | | | | culturally | |
| | | | | | | sensitive care, in | |
| | | | | | | line with de- | |
| | | | | | | colonisation, to | |
| | | | | | | individuals, | |
| | | | | | | families, groups | |
| | | | | | | and | |
| | | | | | | communities. | |
| | | | | | | Specialised best | |
| | | | | | | primary care | |
| | | | | | | nursing practice, | |
| | | | | | | which is | |
| | | | | | | evidence-based | |
| | | | | | | to promote, | |
| | | | | | | prevent, cure, | |
| | | | | | | rehabilitate and | |
| | | | | | | refer diseases | |
| | | | | | | and conditions | |
| | | | | | | | |
| | | | | | | related to | |
| | 1 | | | <u> </u> | | lifestyle and | |

| | | | | | | burden of diseases. This will enable the primary care nurse specialist to maximise healthcare of the South African population. | |
|---|---------|------|----|---|----|---|--|
| Clinical Practice in Primary Care Nursing 2 | CPP8XY2 | 100% | 0% | 8 | 46 | The purpose of the module is to develop a competent specialist primary care nurse specialist with appropriate knowledge, skills and attitudes needed, the application of primary care nursing within the professional, legal-ethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonisation, to individuals, families, groups and communities. Specialised best primary care nursing practice, which is evidence-based to promote, prevent, cure, | The primary care nurse specialist student will be able to perform primary care clinical skills and procedures pertaining to GIT, Endocrine, Muscular skeletal, nervous system and emergency care. within the relevant legal-ethical framework. |

| | rehabilitate and |
|--|-------------------|
| | refer diseases |
| | and conditions |
| | related to |
| | lifestyle and |
| | burden of |
| | diseases. This |
| | will enable the |
| | primary care |
| | nurse specialist |
| | to maximise |
| | healthcare of the |
| | South African |
| | population. |

POSTGRADUATE DIPLOMA IN HEALTH SERVICES MANAGEMENT (E9HS1Q)

| Мате | Code | SM Weight | EM Weight | Level | Credits | Purpose | Content |
|---|-------------|--------------|--------------|-------|---------|---|---|
| Ethical Legal Professional Frameworks | ELP8X 01 | 100 % | 0% | 8 | 8 | The purpose of the module is to develop a competent specialist health services manager with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the ethical-legal-professional framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. | The health services management specialist student will be able to practice and facilitate specialised health services management within ethicallegal-professional parameters of the profession. |
| Research | REN8X Y1 | 100 % | 0% | 8 | 10 | The purpose of the module is to develop a competent health services manager with appropriate knowledge, skills and attitudes needed, the | The health services management specialist student will be able to identify the problem, diagnose and recommend |

| | | | | | | application of the nursing process, | opportunities for improvement |
|------------------------|-------|-----|----|---|---|--------------------------------------|-------------------------------|
| | | | | | | within the | based on the |
| | | | | | | professional, | developed |
| | | | | | | legal-ethical | research |
| | | | | | | framework to promote, restore | capacity and acquired |
| | | | | | | and maintain the | research |
| | | | | | | health of | expertise in |
| | | | | | | individuals, | health services |
| | | | | | | families, groups | management. |
| | | | | | | and communities | |
| | | | | | | during their | |
| | | | | | | training as caring professionals. To | |
| | | | | | | provide a range of | |
| | | | | | | comprehensive | |
| | | | | | | individualised, | |
| | | | | | | culturally | |
| | | | | | | sensitive care, in | |
| | | | | | | line with de- colonization, to | |
| | | | | | | colonization, to individuals, | |
| | | | | | | families, groups | |
| | | | | | | and communities. | |
| | | | | | | Best care practice | |
| | | | | | | nursing which is | |
| | | | | | | based on | |
| | | | | | | evidence-based nursing to | |
| | | | | | | promote, to | |
| | | | | | | prevent, to cure, | |
| | | | | | | rehabilitation and | |
| | | | | | | referral diseases | |
| | | | | | | and conditions | |
| | | | | | | related to lifestyle and burden of | |
| | | | | | | and burden of diseases. | |
| | | | | | | | |
| Health | HSM8X | 100 | 0% | 8 | 8 | The purpose of | The health |
| Services Management | 01 | % | | | | the module is to develop a | services management |
| widingement | | | | | | competent health | student will be |
| | | | | | | services manager | able to practice |
| | | | | | | with appropriate | and facilitate |
| | | | | | | knowledge, skills | decision making |
| | | | | | | and attitudes | and research |
| | | | | | | needed to make decisions and | within the ethical- |
| | | | | | | decisions and solve problems | legal- professional |
| | | | | | | within the health | parameters of |
| | | | | | | service by | health services |
| | | | | | | applying | management. |
| | 1 | | | | | | |

| | | | | | | evidence-based competencies. | |
|---|-------------|-------|----|---|----|--|---|
| Leadership Development | LDQ8X 01 | 100 % | 0% | 8 | 8 | To develop health services managers who are competent, world-class leaders. | The health services management specialist student will be able to evaluate the quality of service in the health service, manage resources, identify the risks and manage them, initiate and manage innovative projects. |
| Clinical Practice | CPH8X Y1 | 100 % | 0% | 8 | 72 | To develop health services managers who are able to manage the operations or the units of health services. | The health services management specialist student will be able to manage the operation or unit of a health service. |
| Health Services Management | CHM8X 02 | 100 % | 0% | 8 | 8 | To develop health services managers who are self-directed, life-long learners, and who are competent to conceptualise concepts at strategic level. | The health services management specialist student will be able to be self-directed in a health service and to become a life-long learner health services manager, who is able to conceptualise concepts at strategic level of the organisation. |
| Health Services Management Practices | CHP8X 02 | 100 | 0% | 8 | 8 | To develop a strategic health services managers who are scientific, understand the | The health services management specialist student will be able to critique an article in health services |

| | | | | | | international principles and who can apply these principles in their contexts. | management, and manage a health service at executive level using international principles. |
|------------------------|-------------|-----|----|---|---|---|---|
| Resource Management | RMN8X 02 | 100 | 0% | 8 | 8 | To develop health services managers who can manage the resources effectively, mitigate and eradicate risks within the healthcare service. | The health services management specialist student will be able to manage the resources within a healthcare service, and manage the risks accordingly. |

POSTGRADUATE DIPLOMA IN OCCUPATIONAL HEALTH NURSING (E9OC1Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcomes |
|---|---------|--------------|--------------|-------|---------|--|--|
| Ethical Legal Professional Frameworks | ELP8X01 | 100% | 0% | 8 | 8 | To develop a competent specialist nurse with appropriate knowledge, skills and attitudes needed, the application of the nursing process, within the professional, legalethical framework to promote, restore and maintain the health of individuals, families, groups and communities during their training as caring professionals. | The specialist student will be able to practice and facilitate specialised occupational health nursing care within the ethical-legal-professional parameters of the profession |
| Research | REN8XY1 | 100% | 0% | 8 | 10 | To apply the knowledge of and facilitate evidence-based practice, nursing education or management in the occupational health nursing specialist field to solve contextual | The specialist student will be able to identify the problem, diagnose and recommend opportunities for improvement based on the developed research capacity |

| | | | | | | problems and develop policies and guidelines To engage in scholarly activities to inform evidence-based practice, education or management. | and acquired research expertise in the occupational health nursing discipline. |
|--|---------|------|----|---|----|--|--|
| Health Risk Assessment and Medical Surveillance | HRA8X01 | 100% | 0% | 8 | 8 | To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonisation, to individuals, families, groups and communities. Specialised best care practice nursing which is evidence-based to promote, prevent, cure, rehabilitate and refer diseases and conditions related to lifestyle and burden of diseases. | The specialist student will be able to practice and facilitate specialised occupational health nursing care with regard to the assessment of the work environment and the physical assessment of individual employees and groups of employees in order to determine the fitness (health protection and prevention of injuries and diseases) for a job for employees. |
| Workplace Health Promotion and Practice | WHP8X01 | 100% | 0% | 8 | 8 | To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonisation, to individuals, families, groups and communities. Specialised best care practice nursing which is evidence-based to promote, prevent, cure, rehabilitate and refer diseases and conditions related to lifestyle and burden of diseases. | The specialist student will be able to practice and facilitate specialised occupational health nursing care in assessing worker health needs and developing strategies with the combined efforts of employers, employees and society to improve the mental and physical health and wellbeing of people at work |
| Clinical Practice in Occupational Health Nursing 1 | CPO8XA | 100% | 0% | 8 | 43 | To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonisation, to individuals, families, groups and communities. Specialised best care practice nursing which | The specialist student will be able to perform occupational health nursing clinical skills and procedures pertaining to health risk assessment, medical surveillance, workplace health promotion and health education within the |

| | 1 | | | | | is evidence-based to | relevant logal athical |
|--|---------|------|----|---|---|--|--|
| | | | | | | promote, prevent, cure, rehabilitate and refer diseases and conditions related to lifestyle and burden of diseases. | relevant legal-ethical framework. |
| Emergency Preparedness and Response | EPR8X01 | 100% | 0% | 8 | 8 | To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonisation, to individuals, families, groups and communities. Specialised best care practice nursing which is evidence-based to promote, prevent, cure, rehabilitate and refer diseases and conditions related to lifestyle and burden of diseases. | The specialist student will be able to display clear knowledge and understanding of the role and function of the occupational health nurse specialist (within the scope and legal ethical framework of the nursing profession) in optimising emergency response in an occupational setting with appropriate procedures, by reinforcing preparedness with training and first aid implementation and by increasing prevention and follow-up of workers and responders, before and after emergencies. |
| Chronic Disease, Communicable Disease and Vulnerable Employee Management | CDC8X02 | 100% | 0% | 8 | 8 | To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonisation, to individuals, families, groups and communities. Specialised best care practice nursing which is evidence-based to promote, prevent, cure, rehabilitate and refer diseases and conditions related to lifestyle and burden of diseases. | The specialist student will be able to assess, plan, implement, manage and evaluate chronic, communicable and vulnerable employees in the occupational setting. |

| Contemporary Occupational Health Nursing | COH8X02 | 100% | 0% | 8 | 8 | To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonisation, to individuals, families, groups and communities. Specialised best care | The specialist student will have the knowledge, skill and values with regard to managing the contemporary issues in the occupational setting in order to prepare for the future in occupational health |
|--|---------|------|----|---|----|--|--|
| | | | | | | practice nursing which is evidence-based to promote, prevent, cure, rehabilitate and refer diseases and conditions related to lifestyle and burden of diseases. | nursing. |
| Clinical Practice in Occupational Health Nursing 2 | CPO8XB | 100% | 0% | 8 | 34 | To provide a range of comprehensive individualised, culturally sensitive care, in line with decolonisation, to individuals, families, groups and communities. Specialised best care practice nursing which is evidence-based to promote, prevent, cure, rehabilitate and refer diseases and conditions related to lifestyle and burden of diseases. | The specialist student will be able to perform occupational health nursing clinical skills and procedures pertaining to emergency preparedness and response, chronic disease management, communicable disease management, vulnerable employee management and employee issues/challenges in the modern workplace. |

HS12.8 <u>DEPARTMENT OF OPTOMETRY</u>

BACHELOR OF OPTOMETRY (B9002Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|-----------------------|---------|--------------|--------------|-------|---------|--|--|
| Binocular Vision 1 | BVI00Y3 | 100% | 0% | 6 | 14 | The primary purpose of this module is to provide learners with the ability to: Understand the basic principles behind the binocular system. To apply these principles and to decide what specific aspects of binocularity need to be probed in more detail in a specific patient Learners should start reflecting on the strategies the brain may adopt if an anomaly exists. To recognize, classify and on a prognosis as well as a simple treatment plan for non-pathological binocular anomalies. | At the end of this module, you should be able to do the following: Identify and grasp the understanding of the process of vision Associate performance in various visual fields with efficient visual function Associate visual function Associate visual function with basic visual skills Have the ability to describe normal and abnormal binocularity in language, which can be easily understood by the lay public. Take a relevant case history for a binocular vision anomaly. Conduct a binocular vision anomaly. Conduct a binocular vision anomaly. Conduct a binocular vision anomaly. Decide a binocular vision anomaly. Conduct a binocular vision anomaly. |

| Binocular Vision 2 | BVI00Y4 | 100% | 0% | 8 | 16 | This module will enable students to: detect and diagnose abnormalities of the binocular visual system. Understand the underlying theory of how neural and other disorders manifest as binocular vision abnormalities. Make treatment decisions relating to the disorders that might | able to: Take a case history from a patient with binocular vision problems Perform an examination on a |
|-----------------------|---------|------|----|---|----|---|---|
| | | | | | | detected, and make appropriate referrals to the relevant medical specialities when necessary. In addition provide the necessary vision therapy regimens to patients requiring such interventions. | □ Analyze the examination test results and make a diagnosis for the patient with binocular vision problems and nystagmus. □ Explain or clarify the meaning of binocular vision concepts, namely amblyopia, eccentric fixation, horopter etc □ Determine the probability for the |
| | | | | | | | functional cure of a patient with binocular vision anomalies Formulate an appropriate management plan for the patient with binocular vision problems. Show concern, integrity and professionalism for patients with binocular vision problems and be aware of the impact these problems can |

| | | | | | | | have on their quality of life. |
|--------------------|---------|-----|-----|---|----|--|--|
| Biochemistry 1B | BIC01B1 | 50% | 50% | 5 | 15 | This module – Principles of Biochemistry – | Understand why |
| | | | | | | lays the foundation for Biochemistry as the language | Grasp the fundamentals ofacid-base chemistry |
| | | | | | | and central core of the Life Sciences. It provides | Understand what buffers are and what role they play in the cell |
| | | | | | | students with a fundamental, general knowledge of | Understand the nature of amino acids |
| | | | | | | basic principles and techniques in Biochemistry that would equip them for further | Understand the amphoteric properties of amino acids and peptides |
| | | | | | | undergraduate studies in Biochemistry in | Understand the levels of protein structure |
| | | | | | | further years. It also serves as a service module for students who do not wish to major in | Understand the formation and characteristics of protein secondary structure elements |
| | | | | | | Biochemistry, but who require an introductory module as part of study in the Life Sciences or | , |
| | | | | | | Optometry. | Understand protein quaternary structure and the concept of allostery |
| | | | | | | | Understand the nature and structure of lipids |
| | | | | | | | Understand the structure of DNA and its isoforms |
| _ | | | | | | | Know the different forms of RNA in the cell as well as the structure and function of each. |

| Business Practice, Ethics and Jurisprudence | COB02Y 4 | 100% | 0% | 7 | 8 | The primary purpose of this module is to provide learners with the ability to: To provide the student with the necessary skills to identify, develop and design integrated visual health care programs by means of analysis and critical reasoning. The module also provides the student with competent skills necessary to make professional decisions in the identification and evaluation of optimal visual environments by means of analysis and critical reasoning. | module, you should be able to do the following: Apply through competency in professional and clinical responsibilities, scientific optometric skills, optical and allied technologies to ascertain the accuracy of the |
|--|----------|------|----|---|---|---|---|
| | | | | | | | _ |

diagnosis and proposed management and delivery of eye care products. therapy and medication to visually compromised with people, knowledge of minimum standards of optometric care and apply self-reflex learning strategies during interactions. Interact consultatively in the management and delivery of eye care products, therapy and medication to visually compromised people, with knowledge of minimum standards of optometric care and apply self-reflex learning strategies during interactions. Record and maintain legible, secure data and patient information while adhering to appropriate medicolegal ethics, health and safety and regulations codes of conduct stated in the patient charter. Manage and administer human, technical and other resources to ensure diagnosis, optimal prescription and delivery of eye and visual care products or services.

| | | | | | | | Apply self-reflexive learning strategies to continually improve the optometrically related service within health care services appropriate to the specific needs of the patient/client to ensure professional contribution to the needs of the society. |
|--------------|-------------|-----|-----|---|----|---|---|
| Chemistry 1C | CEM1CA 1 | 50% | 50% | 5 | 15 | The primary purpose of this module is to develop the basic knowledge, understanding and practical skills of chemical principles and techniques of general chemistry as required for further modules in Optometry. | properties. Apply the principles of atomic and molecular |

| г | | | | | | | T | 1 |
|---|---------------------------------------|-------------|------|----|---|---|---|--|
| | | | | | | | | solve problems regarding physical and chemical properties of various functional groups. Demonstrate the ability to perform laboratory experiments safely and to interpret the results. |
| | Community and Environmental Optometry | COB01Y 4 | 100% | 0% | 7 | 8 | The primary purpose of this module is to provide learners with the ability to: To provide the student with the necessary skills to identify, develop and design integrated visual health care programs by means of analysis and critical reasoning. The module also provides the student with competent skills necessary to make professional decisions in the identification and evaluation of optimal visual environments by means of analysis and critical reasoning. | |

| | | | | and eye related conditions within the |
|-----|------|------|--------------|---|
| | | | | context of health |
| | | | | services appropriate to the needs of the |
| | | | | community, while |
| | | | | adhering to appropriate medico- |
| | | | | legal ethics, health |
| | | | | and safety regulations and |
| | | | | codes of conduct. |
| | | | | Interact |
| | | | | consultatively in the diagnosis and |
| | | | | proposed |
| | | | | management and delivery of eye care |
| | | | | products, therapy |
| | | | | and medication to visually |
| | | | | compromised |
| | | | | people, with knowledge of |
| | | | | minimum standards |
| | | | | of optometric care and apply self-reflex |
| | | | | learning strategies during interactions. |
| | | | | Interact |
| | | | | consultatively in the |
| | | | | management and |
| | | | | delivery of eye care products, therapy |
| | | | | and medication to visually |
| | | | | compromised |
| | | | | people, with knowledge of |
| | | | | minimum standards |
| | | | | of optometric care and apply self-reflex |
| | | | | learning strategies |
| | | | | during interactions. Record and maintain |
| | | | | legible, secure data |
| | | | | and patient information while |
| | | | | adhering to |
| | | | | appropriate medico- legal ethics, health |
| | | | | and safety |
| 740 | | | DI II EO AND | DECLII ATIONS 2024 |

| | | | | | | | regulations and codes of conduct stated in the patient charter. |
|---------------------|-------------|------|----|---|----|---|---|
| | | | | | | | Manage and administer human, technical and other resources to ensure optimal diagnosis, prescription and delivery of eye and visual care products or services. |
| | | | | | | | Apply self-reflexive learning strategies to continually improve the optometrically related service within health care services appropriate to the specific needs of the patient/client to ensure professional contribution to the needs of the society. |
| Contact Lenses 1 | CTL00Y 3 | 100% | 0% | 6 | 14 | The purpose of the module is to introduce the students to all aspects of contact lens | At the end of this module, you should be able to do the following: Design and fit soft |
| | | | | | | fitting, this includes patient management, initial | contact lenses Design and fit rigid contact lenses |
| | | | | | | assessment, lens selection, detailed fitting procedures for | Conduct a thorough contact lens examination |
| | | | | | | both basic rigid and soft contact lenses as well as after-care. | Examine and assess contact lens wearing patients on an ongoing basis |
| | | | | | | | Recognize and diagnose the various contact lens induced physiological changes and pathologies |
| | | | | | | | Understand the optics of contact lenses |

| Contact | CTL00Y | 100% | 0% | 8 | 16 | This module will | At the end of this |
|----------|--------|------|----|----------|----|----------------------------------|---|
| Lenses 2 | 4 | | | | | enable students | module, you should |
| | | | | | | to: determine the | be able to do the |
| | | | | | | need and | following: |
| | | | | | | applicability for the fitting of | Describe and |
| | | | | | | the fitting of contact lenses; | Describe and memorize various |
| | | | | | | recognize, | contact lens |
| | | | | | | diagnose and | materials and their |
| | | | | | | understand the | characteristic |
| | | | | | | causes of | parameters. |
| | | | | | | various contact | |
| | | | | | | lens related | Describe and |
| | | | | | | abnormalities as | memorize corneal |
| | | | | | | well as the alleviation | physiology as it |
| | | | | | | thereof; | relates to the fitting of |
| | | | | | | understand the | contact lenses. |
| | | | | | | metabolism and | Examine and |
| | | | | | | physiology of the | appraise patients for |
| | | | | | | cornea as it | their suitability to |
| | | | | | | relates to the | wear contact lenses. |
| | | | | | | fitting of contact | Formulate and |
| | | | | | | lenses; fit advanced | design contact lens |
| | | | | | | contact lens | fitting strategies and |
| | | | | | | patients with | contact lens |
| | | | | | | keratoconus, | parameters that are |
| | | | | | | orthokeratology, | relevant to each |
| | | | | | | bifocal contact | - |
| | | | | | | lenses, for sport, | Recognize and |
| | | | | | | post-LASIK; understand the | diagnose the various contact lens induced |
| | | | | | | implications of | physiological |
| | | | | | | fitting contact | changes and |
| | | | | | | lenses and the | pathologies. |
| | | | | | | possible results | |
| | | | | | | and | Examine and assess |
| | | | | | | abnormalities | contact lens wearing |
| | | | | | | that may arise. | patients on an on- |
| | | | | | | | going basis. |
| | | | | | | | Analyze and |
| | | | | | | | formulate strategies |
| | | | | | | | for the alleviation of |
| | | | | | | | contact lens related |
| | | | | | | | physiological and |
| | | | | | | | pathological changes |
| | | | | | | | in the contact lens |
| | | | | | | | wearing cornea. |
| | | | | | | | Diagnose and then |
| | | | | | | | formulate |
| | | | | | | | appropriate contact |
| | | | | | | | lens fitting strategies |
| | | | | | | | for the exceptional |
| | | | | | | | contact lens patient |
| _ | 1 | 1 | | <u> </u> | 1 | I. | 1 |

| | | | | | | | (for example keratoconics, irregular corneas, post-LASIK corneas, bifocal contact lenses). Calculate appropriate mathematical and optical solutions to contact lens related problems. Make use of appropriate instrumentation in the examination of |
|-------------|--------|------|----|---|---|--|---|
| Dispensing | DOP00Y | 100% | 0% | 6 | 8 | The purpose of | patients, and evaluation and quality-control of contact lenses. The student should |
| Optometry 1 | 2 | | | | | the module is to enable learners to understand the basic principles and characteristics of ophthalmic lenses. With the knowledge and skills you will learn in this course it will enable you to verify a pair of spectacles and identify spectacle frames, frame types and parts and as well as to fit and adjust the frames on patients face. With this knowledge this will enable you to prescribe a complete pair of spectacles that will suit patient's needs. | be able to: Identify lenses. Know the characteristics of the different type of lenses. Write and transpose a prescription in plus and minus cylinder form. Determine the powers of lenses by means of neutralization, lens measure and vertometer. Understand best form lenses. Understand lens measure and sagitta. Differentiate |

| | | | | | | | Determine the prismatic effect of lenses in spectacle frames using the vertometer. Identify Aspheric Lenses. Identify the different multifocal lenses. Identify the different spectacle frame materials and parts. Select a spectacle frame materials and parts. Select a spectacle frame suitable to the needs and prescription of the patient. Problem solving. |
|---------------------------|-------------|------|----|---|---|---|---|
| Dispensing Optometry 2 | DOP00Y 3 | 100% | 0% | 6 | 8 | The primary purpose of this module is to prepare the student to recognize various patients' needs in terms of frame selection, lens materials, lens designs and verification, and dispensing (new and repaired) eyewear | At the end of this |

| | | | | | | | and adjust spectacle frames. |
|---------------------------------------|-------------|------|----|---|----|---|--|
| | | | | | | | Repair and modify frames according to the needs of the patient. |
| | | | | | | | Choose the most appropriate protective eyewear to the patient's needs. |
| | | | | | | | Discuss special lens designs, their problems and the cosmetic appearance. |
| | | | | | | | Select the appropriate multifocal lens to the needs of the wearer, by identifying patient's needs, evaluate different designs, appropriate fitting techniques, patient selection and the problems that incorrect patient selection can experience. |
| | | | | | | | Match the appropriate lens treatment to the needs of the wearer. |
| | | | | | | | Makeup of a complete pair of spectacles, i.e. cutting, edging, and fitting lenses. |
| General and Ocular Pharmacology | OPH00Y 3 | 100% | 0% | 6 | 14 | This module will enable students to have a basic understanding of themost commonly used ocular pharmaceutical agents. The student will also | basic pharmacological concepts work and will be able to differentiate the |
| | | | | | | be able to decide when | types of receptors found, how drugs work on these |

| | | | , , , |
|--|--|--|--|
| | | these agents will be used, for which ocular | receptors, and how various drugs interact. |
| | | conditions, in which doses and what the contra-indications and side-effects will be. | Integrate this knowledge with how different drugs are absorbed, administered, transformed and excreted by the human system. Certain commonly used pharmacologic abbreviations will be discussed. |
| | | | Demonstrate their knowledge relating to all the principles of ocular pharmacokinetics by applying it to related topics. |
| | | | Know the specific ocular formulations as well as the vehicles used for delivery, stability of these agents and how they are stored |
| | | | Demonstrate a clear knowledge of the two main components of the autonomic nervous system will be obtained. Also of importance is how they correlate and relate to the various pharmacologic agents |
| | | | Discuss the agents which are used for cycloplegic purposes |
| | | | Discuss the agents which are used for mydriasis and their various properties and reactions, |

| | | | adverse effects and types |
|--|--|--|--|
| | | | Apply knowledge to decide which agents to use for miotic purposes and understand their side-effects and actions. |
| | | | Understand glaucoma medications in terms of their mechanism of action, side-effects and properties to facilitate the understanding of the disease process and its management. |
| | | | Discuss all ocular local anaesthetics and will understand the mechanism of action, side-effects and precautions as well as indications for use of these agents. |
| | | | Discuss antimicrobial agents in terms of the various microbes involved and how to manage them. Structures of microbes will be learnt, which agent is best to use for the specific microbes and why. |
| | | | Decide which anti- inflammatory is the best to use for which condition and why. How the agents work and what the side- effects and special precautions are and when referral is necessary will also be understood. |

| | | | | | | | Gain knowledge on the different dry eye preparations, how they work and how and when to prescribe them. They will also integrate their knowledge of ocular pathology and contact lenses to decide when the agents are necessary. |
|---------------------------------------|-------------|------|----|---|----|--|--|
| | | | | | | | Gain knowledge of the different CL rewetting solutions, their mechanism of action and indications for use. This will be integrated with CL knowledge to decide on a treatment plan. |
| | | | | | | | Gain knowledge of the ocular side- effects of commonly used systemic medications |
| General Pathology for Optometry | OPA00Y 2 | 100% | 0% | 6 | 12 | The purpose of this module in General Pathology for Optometry is to enable you the student to: recognize and differentiate the various general pathological processes. explain how this may affect the health of the person and to reflect on how the situation can be resolved. recognize and differentiate the various pathological | pathology of important systemic diseases with significant ocular manifestations to Optometry Distinguish and categorize specific pathological problems associated with underlying systemic diseases based on their ocular |

| | processes in | Consolidate and |
|-----|--------------------|-----------------------|
| | hematological | integrate the |
| | disorders and | pathological |
| | cardiovascular | processes in the |
| | disease. | various organ |
| | alocaco. | systems |
| | appreciate | oyotomo |
| | interrelationship | Collect, analyze, |
| | s of ocular and | organize, and |
| | systemic | communicate |
| | disease and | information on |
| | recognize and | specific pathological |
| | identify | issues |
| | underlying | |
| | systemic | |
| | diseases on the | |
| | basis of their | |
| | ocular | |
| | manifestations. | |
| | recognize and | |
| | differentiate the | |
| | various | |
| | pathological | |
| | processes in | |
| | neurological | |
| | diseases and | |
| | endocrine | |
| | disorders. | |
| | disorders. | |
| | appreciate | |
| | interrelationship | |
| | s of ocular and | |
| | systemic | |
| | disease and | |
| | recognize and | |
| | identify | |
| | underlying | |
| | systemic | |
| | diseases on the | |
| | basis of their | |
| | ocular | |
| | manifestations. | |
| | recognize and | |
| | differentiate the | |
| | various | |
| | pathological | |
| | processes in | |
| | important | |
| | systemic | |
| | diseases with | |
| | significant ocular | |
| | manifestations. | |
| | | |
| | appreciate | |
| 758 | RULES AND | REGULATIONS 2024 |

| | | | | | | interrelationship s of ocular and systemic disease and recognize and identify underlying systemic diseases on the basis of their ocular manifestations. | |
|---------------------|-------------|------|----|---|----|---|--|
| Human Anatomy 1A | HAN01A 1 | 100% | 0% | 5 | 12 | The purpose of this module is to explain the osteology, histology and the cardiovascular systems | Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiolo gical/Biological concepts. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. 3Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. 4Collect, analyse, organise and critically evaluate information by means of preparation of the project. Communicate effectively using visual, mathematical and/or language skills in the modes of |

| | | | | | | | an oral and written project presentation. Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different Anatomical/Physiolo gical/Biological concepts. |
|---------------------|--------|------|----|---|----|--|--|
| Human Anatomy 1B | HAN01B | 100% | 0% | 5 | 12 | The purpose of this module is to explain the osteology, histology and the cardiovascular systems | Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiolo gical/Biological concepts. |
| | | | | | | | Work effectively with others as a member of a team, group, organisation or community by means of project presentations. Organise and manage oneself and one's activities responsibly and |
| | | | | | | | effectively by the attendance of lectures and selfstudy. Collect, analyse, |
| | | | | | | | organise and critically evaluate information by means of preparation of the project. Communicate effectively using |

| | | | | | | | visual, mathematical and/or language skills in the modes of an oral and written project presentation. Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different Anatomical/Physiolo gical/Biological concepts. |
|------------------------|-------------|------|----|---|----|---|---|
| Human Physiology 2A | HPH02A 2 | 100% | 0% | 5 | 12 | Physiology provides foundational knowledge for pathology and clinically related subjects. The content covered in this module includes an introduction to physiology, the cell, the integumentary system and aspects of osseous, muscle and neural tissue. Principles of the spinal cord and nerves, the autonomic nervous system and sensory function will also be covered in detail. | Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiolo gical/Biological concepts. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. Organise and manage oneself and one's activities |

| Physiology 2B 2 provides foundational knowledge for pathology and clinically related subjects. The content covered in this module includes an introduction to physiology, the cell, the integumentary system and aspects of osseous, muscle and neural tissue. Principles of the spinal cord and nerves, the autonomic nervous system and sensory function will also be covered in detail. Problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiological concepts. Work effectively with off a team, group, organisation or community by means of a team, group, organisation or community by means of a team, group, organise and one's activities responsibly and effectively by the attendance of lectures and self-study. Collect, analyse, organise and critically evaluate | | | | | | | Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different Anatomical/Physiolo gical/Biological concepts. |
|--|--|------|----|---|----|--|--|
| | | 100% | 0% | 5 | 12 | provides foundational knowledge for pathology and clinically related subjects. The content covered in this module includes an introduction to physiology, the cell, the integumentary system and aspects of osseous, muscle and neural tissue. Principles of the spinal cord and nerves, the autonomic nervous system and sensory function will also be covered in | problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiolo gical/Biological concepts. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. Collect, analyse, organise and critically evaluate |

| | | | | | | | means of preparation of the project. |
|---------------------------|---------|------|----|---|---|--|---|
| | | | | | | | Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. |
| | | | | | | | Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different Anatomical/Physiolo gical/Biological concepts. |
| Introduction to Optometry | OPI00Y1 | 100% | 0% | 5 | 8 | The purpose of this module in Introduction to Optometry is to enable you the student to: Familiarize yourself with the general concepts utilized in the optometric profession, so that you may understand and appreciate the future role you may play when graduating as optometrists within the health care team, in private practice or in public health. A closer link to the department and exposure to the staff within the department is intended | • |

| | | | | | | create a basic identity which will culminate finally in the realization and success of your chosen career in Optometry. | Demonstrate basic knowledge of common eye pathologies, basic emergency situation management and the recognition of the need for urgent referral. |
|------------|---------|------|----|---|----|--|---|
| Low Vision | LVI00Y4 | 100% | 0% | 8 | 16 | Section 1: Assessment and prescription options of low vision patients This module will provide learners with: Innovative skills necessary to identify the low vision person by means of analysis and critical reasoning and thus provide competent solutions based on professional and experimental skills. Section 2: Rehabilitation and management options for low vision person This module will provide learners with: Competent skills necessary to make professional decisions for the rehabilitation and management of the low vision person by means of | Assessment and prescription options of low vision patients The student will be able to: Apply their theoretical and intellectual knowledge when investigating the visual status and |

| | | | analysis critical | and | supervisor and family members (when |
|-----|----------|--|----------------------|--------|--|
| | | | reasoning. | | appropriate). |
| | | | | | Section 2: Rehabilitation and management options for low vision person |
| | | | | | The student will be able to: Apply their theoretical and intellectual knowledge in practical examination |
| | | | | | situations using strategic thinking and innovative skills involving all team members concerned. |
| | | | | | Reflect on his knowledge and innovative skills to analyze the data available to explore solutions and make |
| | | | | | responsible decisions and skilled choices for the management and rehabilitation of the low vision person |
| | | | | | using critical and creative thinking. |
| | | | | | Communicate efficiently and empathetically with the examiner, the patient, and the supervisor and family members (where appropriate) taking cognizance of relevant cultural and social differences while developing an appropriate treatment plan. |
| | | | | | Integrate the low vision principles into general optometric practice and create |
| 765 | <u> </u> | | <u> </u> | EO AND | entrepreneurial REGULATIONS 2024 |

| | | | | | | | opportunities able to serve local and national communities. |
|--------------------|-------------|-----|-----|---|----|--|--|
| Mathematics 1A | MAT01A 1 | 50% | 50% | 5 | 15 | The purpose of this module is to develop an understanding of basic mathematical logic, set theory and the theory of decentration and integration of one variable functions by means of rst principles and otherwise, and to include an understanding of the key terms, concepts, facts, principles, rules, and theories. | On completion of this learning event, the student should be able to: Dene absolute values and solve equations containing absolute values. Identify dierent proof |
| Microbiology 2A | MCB01A 2 | 50% | 50% | 6 | 20 | The module aims at preparing students to discuss the | Give an overview of the science of microbiology |

| | | | basic principles of microbiology and to provide students with the | Understand significant contributions to microbiology to date |
|-----|--|--|--|---|
| | | | necessary knowledge and competency to | Discuss microbiology as a science today |
| | | | conduct standard laboratory experiments in relation to the requirements of the Optometry program. | Discuss prokaryotic cell structure and function |
| | | | | Differentiate between typical prokaryotic and eukaryotic cells |
| | | | | Understand and implement the preparation of specimens for microscopy and give a detailed explanation of the following techniques and successfully perform these techniques in the laboratory: |
| | | | | I Microscopy |
| | | | | ii media preparation iii inoculation and |
| | | | | incubation |
| | | | | iv Slide preparation and staining |
| | | | | v Clean-up |
| | | | | Describe microbial nutrition and growth, selective growth and enumeration |
| | | | | Differentiate between sterilization, disinfection and sanitization |
| | | | | Discuss the physical and chemical methods of microbial control |
| | | | | Recognize microbial diversity and its |
| 767 | | | RULES AND | REGULATIONS 2024 |

| | | | | | | | place in the five kingdom classification system. Elaborate on the structure, classification and properties of viruses. Discuss eucaryotic viruses, prions and viroids. Discuss eucaryotic viruses, prions and viroids. Discuss eucaryotic viruses, prions and viroids. Describe protists and their structures. |
|--|-------------|------|----|---|---|--|---|
| Ocular Anatomy and Physiology 3A | OAF03A 3 | 100% | 0% | 6 | 4 | The purpose of this module is to explain the osteology, histology and the cardiovascular systems | Ildentify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiolo gical/Biological concepts. |
| | | | | | | | 2. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. 3. Organise and manage oneself and one's activities responsibly and effectively by the |
| | | | | | | | effectively by the attendance of lectures and self-study. 4. Collect, analyse, organise and critically evaluate information by |

| Ocular | OAF03B | 100% | 0% | 6 | 4 | Ocular | means of preparation of the project. 5. Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. 6. Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different Anatomical/Physiolo gical/Biological concepts. |
|---------------------------|--------|------|----|---|---|--|--|
| Anatomy and Physiology 3B | 3 | | | | | Physiology provides foundational knowledge for ocular pathology and clinically related subjects. The content covered in Module 3B10 include the eyelids, the lacrimal apparatus, ocular blood flow as well as the physiology of the cornea, while aspects of the aqueous humour, intraocular pressure, the vitreous humour, the lens and the retina will be dealt with in Module 3B20. | problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiolo gical/Biological concepts. Work effectively with others as a member of a team, group, organisation or community by means of project presentations. Organise and manage oneself and one's activities responsibly and effectively by the attendance of lectures and self-study. |

| | | | | Collect, analyse, organise and critically evaluate information by |
|-----|--|--|--|---|
| | | | | means of preparation of the project. Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. |
| | | | | Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different Anatomical/Physiolo gical/Biological concepts. |
| | | | | Identify and solve problems in which responses demonstrate that responsible decisions using critical and creative thinking have been made regarding basic Anatomical/Physiolo gical/Biological concepts. |
| | | | | Work effectively with others as a member of a team, group, organisation or community by means of project presentations. |
| 770 | | | | Organise and manage oneself and one's activities responsibly and effectively by the attendance of |

| | | | | | | | lectures and self-study. Collect, analyse, organise and critically evaluate information by means of preparation of the project. Communicate effectively using visual, mathematical and/or language skills in the modes of an oral and written project presentation. Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation through the different Anatomical/Physiolo gical/Biological concepts. |
|-----------------------|-------------|------|----|---|----|--|--|
| Ocular Pathology 1 | OPA00Y 3 | 100% | 0% | 6 | 20 | This module is structured to enable the student to understand, diagnose, differentiate and manage anterior eye diseases. | The student will be able to: Be proficient in patient examination, clinical diagnostic procedures and the interpretation of the results obtained. Distinguish between normal and abnormal presentations of the eye, especially the anterior segment. Correctly diagnose an ocular condition based on the signs and symptoms presenting in and relating to the anterior segment of the eye |

| | | | | | | | Understand the treatment and management of various diseases of the anterior segment of the eye Recognize the need for referral to specialist care when applicable. |
|-----------------------|-------------|------|----|---|----|---|---|
| Ocular Pathology 2 | OPA00Y 4 | 100% | 0% | 8 | 20 | The purpose of this qualification is intended to provide qualifying students with the ability to: The purpose of this module in Ocular Pathology 2 is to enable you the student to: Identify, assess, diagnose and consider treatment options for the various ocular conditions present in the eye and to comprehend the impact thereof. It is intended to build on and integrate with the knowledge and skills obtained in Ocular Pathology 1 and Ocular Anatomy and Physiology facilitated in the previous year of optometric training. Facilitated knowledge and application should | You (the student) will be able to: differentiate between normal and abnormal presentations by recognizing, identifying, assessing, diagnosing and comprehending the treatment options for the various ocular conditions present in the eye. apply, build on and integrate with, the knowledge of Ocular Anatomy and Physiology, General Pathology for Optometry, General and Ocular Pharmacology and Ocular Pathology 1 facilitated in previous years of optometric training. be familiar with pathology and/or deviations from the normal, particularly eye-system related pathologies, that may be encountered in a patient care setting. have the competence to appropriately manage and/or refer patients with eye- |

| | | 1000/ | | | | familiarize you with pathology and/or deviations from the normal, particularly eyesystem related pathologies, that you may encounter in a patient care setting. As a successful student, you should have the competence to appropriately manage and/or refer patients with eye-health related problems, especially posterior segment related diseases, while optimally utilizing specialized diagnostic equipment and techniques. | health related problems, especially posterior segment related diseases, while optimally utilizing specialized diagnostic equipment and techniques. The areas mentioned above will be assessed based on the required knowledge, skills and the approach that is deemed to be competent. |
|----------------------|-------------|-------|----|---|---|---|---|
| Ophthalmic Optics | OOP00Y 2 | 100% | 0% | 6 | 8 | The primary purpose of this course is to introduce the role and function of ophthalmic lenses and the eye as an optical instrument, with emphasis on astigmatism. Ophthalmic lenses including the eye are studied with particular regard to surface geometry, sagitta, thickness, dioptric power, additivity, vergence, astigmatism, rays, prismatic effect, bifocals | module you should be able to do the following: Understand the role and function of |

| Onting | ODOOOV | 4000/ | 00/ | | 40 | and varifocals. The course introduces the student to methods of representing dioptric power, quantitative analysis of dioptric power and optical systems. Linear optics is introduced and includes magnification, blur, and chromatic aberration at the retina, cardinal points and axes with specific application to vision. | lenses including bifocal lenses. Make calculations concerning magnification, image size, blur associated with lenses and the eye with allowance for astigmatism. Make calculations of optical systems, particularly transferences and cardinal points. |
|--------|-------------|-------|-----|---|----|--|--|
| Optics | OPO00Y 2 | 100% | 0% | 6 | 12 | Optics is the study of light, that part of the electromagnetic spectrum that falls into the visible region. The purpose of this module is to assist the student to understand the basics of light, how it works and its interaction with other transparent media and also how it interacts with itself. All these factors have an adverse effect on image formation through optical systems and may affect image quality and vision. This course provides the student with a broader understanding | of Vergence Differentiate between thin and thick lenses, optical systems and the magnifications obtained. Differentiate between the different types of aberrations induced by lenses, the theory of colour and understand the |

| Optometry 1 | OPP00Y | 100% | 0% | 6 | 8 | and insight of the finer aspects of how light passes through the different media as this plays an important role with lens design for optical instruments and spectacle lenses. This knowledge will help the student design optical systems and spectacle lenses that will improve image imperfections that will produce better optical quality instruments and spectacle lenses. The primary | Describe the superposition, scattering and polarization of light. Classify Diffraction Evaluate the quality of optical systems |
|-----------------------|-------------|-------|------|---|---|--|--|
| Practical | 2 | 100 % | 0.70 | | | purpose of this module is to obtain adequate practical skills to I be competent in performing a comprehensive refraction and have the ability to analyse the results to manage general patients. | be able to: conduct a comprehensive case history perform preliminary tests perform retinoscopy Perform an accurate subjective refraction. Perform a comprehensive visual examination in the correct sequence and compare it to the expected norms. Perform additional procedures inclusive of ophthalmoscopy |
| Optometry 1 Theory | OPT00Y 2 | 100% | 0% | 6 | 8 | The purpose of this module is to provide basic understanding and teach | |

| | fundamental concepts of The optical properties of the eye, including refractive conditions Visual function and its analysis | Diagram and perform calculations for the Gullstrand I, II and Reduced Eyes |
|-----|---|---|
| | Diagnostic instruments and their uses | Describe the types and perform calculations |
| | The performing of a basic refraction, including a good flow In addition to the subject content, the purpose should also be to: Instil disciplined and structured clinical practices Develop the ability to effectively communicate in the field of Optometry Develop the ability to identify problems | Describe and apply the rules governing the Snellen Chart Describe the factors affecting Visual Acuity and apply them to cases Explain the different objective methods of testing Visual Acuity With regard to Contrast Sensitivity Describe the basic uses, testing procedure and contrast sensitivity function With regard to Emmetropia and Spherical Ametropia and Spherical Ametropia Describe and interpret the causes, signs and symptoms, and classification of Myopia Describe and interpret the causes, |
| | | signs and symptoms, and classification of Hyperopia |
| | | Describe the type of magnification, perform calculations |
| 776 | DI II EC ANI | O REGULATIONS 2024 |

| | | and apply to specific cases |
|--|--|---|
| | | Describe and perform the tests to perform a basic refraction |
| | | 6With regards to Astigmatism |
| | | Describe and interpret the classification and types of astigmatism |
| | | Describe and perform the tests for Regular Astigmatism |
| | | With regard to Accommodation |
| | | Describe and interpret the changes, mechanism, stimulus, reaction time, range, anomalies and convergence links of accommodation |
| | | Describe and perform the different accommodative tests |
| | | With regards to Presbyopia |
| | | Describe and interpret the features, signs and symptoms of presbyopia |
| | | Describe and perform the tests to measure the near point lens |
| | | With regard to Eye movements |
| | | Describe the laws of Innervation |
| | | Describe and perform the tests to |

| | | measure the near point lens |
|--|--|--|
| | | Describe and diagram the positions of gaze and motility |
| | | Describe and interpret the terminology applying to Heterophoria and Strabismus |
| | | Describe and perform the tests to measure the near point of convergence |
| | | Describe and perform the tests to measure Heterophorias as well as apply to case studies |
| | | Describe and perform the tests to measure Ductions as well as apply to case studies |
| | | Describe the concepts of SILO, AC/A Ratio and CA/C ratios |
| | | Describe the criteria for Binocular Stability |
| | | With regard to Colour Vision |
| | | Describe the different colour vision theories, systems and colour labels |
| | | Describe the different hereditary and acquired anomalies of colour vision |
| | | Explain the different methods of testing Colour Vision |

| Optometry 2 Practical | OPP00Y 3 | 100% | 0% | 6 | 10 | The primary purpose of this module is to obtain adequate practical skills to I be competent in performing a comprehensive refraction and have the ability to analyse the results to manage general patients. | The learner should be able to: Perform an accurate subjective and objective refraction. Perform a comprehensive visual examination in the correct sequence and compare it to the expected norms. Perform additional procedures inclusive of near retinoscopy techniques, and binocular balancing techniques |
|--------------------------|-------------|------|----|---|----|--|--|
| Optometry 2 Theory | OPT00Y 3 | 100% | 0% | 6 | 10 | The primary purpose of this module is to obtain adequate knowledge to I be competent to perform a comprehensive refraction and have the ability to analyse the results in order to manage general patients. | The learner will be able to: Explain all the monocular, binocular and balancing refraction techniques, including ocular health inspection and be able to interpret the results. Interpret the static & dynamic methods of retinoscopy. Describe the components of accommodation. Define the components of vergence and be able to diagnose a patient where anomalies exist. Discuss heterophoria accurately and use the information obtained to diagnose specific binocular dysfunctions. |

| | | | | | | | Diagnose some causes of ocular discomfort and derive a treatment plan accordingly. Derive a diagnosis and management plan for a patient with visual problems. |
|------------------------------|-------------|------|----|---|----|--|---|
| Optometry 3 Research Methods | OPP00Y 4 | 100% | 0% | 8 | 10 | The purpose of these two modules is to assiststudents in developing theoretical, clinical and practical, and technological competencies in basic and advanced optometric diagnostic methodologies necessary to effectively assess general, ocular and visual health. The modules also assist in understanding the physiological and neurological basis for vision in the areas of vision science and neuro-optometry. The modules also concern the clinical management of eye and vision disorders, and optometric and vision research methodologies in relation to theoretical research into the science of vision and optometry. | After these two modules of Optometry 3 you should be able to do the following: Collect, define and analyse the results of optometric data collection methodologies involving and relating to ocular, vision and other neuro-optometric disorders Consolidate and integrate theoretical and practical concepts concerning the measurement of vision and the eye Apply modern theories and technological approaches to the measurement and management of the eye, vision and its disorders Communicate effectively, in individual and group contexts, your understanding of basic and advanced measurement of the eye and vision Communicate the theory and management of eye and vision disorders, and your |

The modules of understanding further enable modern optometric students to research develop methodologies experimental Consolidate and and practical integrate theoretical competencies in and practical optometric and concepts concerning vision research the physiology and methodologies. neurological basis of Various eye and vision educational disorders and develop appropriate procedures are used to teach approaches to the and encourage theory and learning such management of such disorders as: Formal lectures Consolidate and are the core integrate theoretical component of practical and the teaching and concepts involving learning research strategy, methodologies students are optometry and vision encouraged to science participate in lectures via Apply appropriate debate, multivariate questions and statistical and discussions, mathematical case reports are theories to research included. and into vision and its students also disorders and present their demonstrate own ideas via appropriate case approaches to the presentations development of and a review of a underlying recent article of theoretical interest understanding and published in the modern research scientific approaches in literature. optometry and vision Students in science small groups undertake original research project and together prepare а research proposal and article also according to publication guidelines and **RULES AND REGULATIONS 2024** 781

| | | | | | | standards which are evaluated and that contributes | |
|-----------------------|-------------|------|----|---|----|--|---|
| | | | | | | towards their cumulative mark (CM) for the year for the module concerned. | |
| | | | | | | Clinic attendance is necessary for all students, and they also attend | |
| | | | | | | tutorial/ practical sessions where clinical and other procedures are performed or involved. | |
| | | | | | | Students are required to do a certain amount of self-study relating to | |
| Optometry 3 Theory | OPT00Y 4 | 100% | 0% | 8 | 10 | relating to pertinent topics. The purpose of these two modules is to assiststudents in developing theoretical, clinical and practical, and technological competencies in basic and advanced optometric diagnostic methodologies necessary to effectively assess general, ocular and visual health. The modules also assist in understanding the physiological and neurological basis for vision in the areas of | After these two modules of Optometry 3 you should be able to do the following: Collect, define and analyse the results of optometric data collection methodologies involving and relating to ocular, vision and other neuro-optometric disorders Consolidate and integrate theoretical and practical concepts concerning the measurement of vision and the eye Apply modern theories and technological approaches to the measurement and |
| | | | | | | vision science and neuro- | management of the |

The optometry. modules also concern the clinical management of eve and vision disorders. and optometric and vision research methodologies relation to in theoretical research into the science of vision and optometry. modules The further enable students develop experimental and practical competencies in optometric and vision research methodologies.

Various
educational
procedures are
used to teach
and encourage
learning such
as:

Formal lectures are the core component the teaching and learning strategy, students are encouraged to participate in lectures via debate. questions and discussions, case reports are included, and students also present their own ideas via case presentations and a review of a recent article of eye, vision and its disorders

Communicate
effectively, in
individual and group
contexts, your
understanding of
basic and advanced
measurement of the
eye and vision

Communicate the theory and management of eye and vision disorders, and your understanding of modern optometric research methodologies

Consolidate and integrate theoretical and practical concepts concerning the physiology and neurological basis of eve and vision disorders and develop appropriate approaches to the theory and management of such disorders

Consolidate and integrate theoretical and practical concepts involving research methodologies in optometry and vision science

Apply appropriate multivariate statistical and mathematical theories to research into vision and its disorders and demonstrate appropriate approaches to the development of

| Paediatric | PED00Y | 100% | 0% | 6 | 14 | interest published in the scientific literature. Students in small groups undertake an original research project and together prepare a research proposal and also article according to publication guidelines and standards which are evaluated and that contributes towards their cumulative mark (CM) for the year for the module concerned. Clinic attendance is necessary for all students, and they also attend tutorial/ practical sessions where clinical and other procedures are performed or involved. Students are required to do a certain amount of self-study relating to pertinent topics. The primary | |
|-------------|--------|------|----|---|----|--|--|
| Optometry 1 | 3 | | | | | purpose of this module is to provide the student with adequate skills to be competent to perform a comprehensive refraction on a paediatric patient. It furthermore builds general knowledge about a child's | able to Discuss the basic order of development and identify the various developmental stages of the unborn child. To discuss the various prenatal, |

| | | | | | | physical (motor and sensory) and emotional development to enable the student to have insight into the problems the paediatric patient may experience. Finally, this course establishes a basic knowledge about the crucial issues when testing children to give the patient the best possible treatment or advice. | including influencing factors To describe pertinent matters of development, including primitive, nutrition and developmental theories and to understand the influence they may have on the development To define the visual and refractive status development of the child, to identify factors that may influence the development and to assess the various systems based upon: To describe a comprehensive visual examination relevant to each developmental stage, such as babies, young children, and schoolgoing children List areas investigated during a typical Optometric perceptual analysis. Know and describe various examination procedures designed to assess perceptual skills. |
|---------------------------|-------------|------|----|---|----|---|---|
| Paediatric Optometry 2 | PED00Y 4 | 100% | 0% | 8 | 16 | The purpose of the module Paediatric Optometry 2 is to facilitate an understanding of normal and abnormal development of visual and perceptual skills in children, | At the end of the module Paediatric Optometry 2 you should be able to do the following: Describe the developmental history and milestones of the child. |

| | | | assessment of | Describe how vision |
|-----|--|--|-------------------------------|---|
| | | | various visual | develops and the |
| | | | skills and | impact of delayed |
| | | | management of the deficits in | vision development |
| | | | both visual and | on the functioning of |
| | | | perceptual skills | the child. |
| | | | as well as in | Understand the |
| | | | other related | range and perform |
| | | | areas | visual perceptual |
| | | | | tests on preschool- |
| | | | | and school-going |
| | | | | children and be able |
| | | | | to refer to the |
| | | | | appropriate specialist when |
| | | | | problems are |
| | | | | identified. |
| | | | | |
| | | | | Examine children |
| | | | | accurately and |
| | | | | efficiently by |
| | | | | adapting the |
| | | | | standard optometric examination and |
| | | | | specialized |
| | | | | techniques to obtain |
| | | | | relevant information. |
| | | | | A |
| | | | | Analyse, evaluate, and translate the |
| | | | | |
| | | | | information gathered during examination |
| | | | | into |
| | | | | recommendations |
| | | | | that correctly |
| | | | | address the |
| | | | | parent/patient chief |
| | | | | concerns and other |
| | | | | problems identified. |
| | | | | Devise a sound |
| | | | | treatment and |
| | | | | management plan by |
| | | | | integrating and |
| | | | | applying their |
| | | | | knowledge for both |
| | | | | visual (refractive and |
| | | | | efficiency) and |
| | | | | perceptual |
| | | | | (information |
| | | | | processing) disorders |
| | | | | uisuiucis |
| | | | | Interact with children |
| | | | | in a way that reflects |
| 786 | | | RULES AND | REGULATIONS 2024 |

| | | | | | | | the examiners' knowledge of cognitive development and ability of the child. Be able to converse intelligently, by making use of wellformed arguments, regarding aspects of learning disabilities and associated fields with other professionals. Be knowledgeable regarding systemic, genetic, and other paediatric health care problems to critically analyse and interpret presenting cases. |
|------------|-------------|-----|-----|---|----|---|---|
| Physics 1C | PHY1CA 1 | 50% | 50% | 5 | 15 | The purpose of this module is to provide factual knowledge of definitions, methods, principles in Physics and broad background knowledge of basic Physics to aid in the understanding and interpretation of future scientific and technological developments. | On completion of this module, the student should be able to: Compute scientifically and convert units in the decimal system Manipulate vector quantities, describe and solve problems on motion in a straight line with constant acceleration Comprehend basic principles and laws of mechanics, so you are able to formulate, discuss and apply Newton's laws to objects moving in a straight line with and without friction. Define work, energy and momentum and solve problems |

| Dhusias 4D | DUMADD | 500 / | 500/ | | | | Formulate fluid mechanics laws and explain the concepts in hydrostatics and apply these concepts to stationary and non-stationary fluids Discuss and explain the effects of heat transfer such as expansion of solids and liquids and apply the law of conservation of heat in problem solving Define the concept and formulate the laws encountered in direct current electricity and solve problems |
|------------|-------------|--------------|------|---|----|--|--|
| Physics 1D | PHY1DB 1 | 50% | 50% | 5 | 15 | The purpose of this module is to provide students with a solid background in basic physics and its principles in order to aid them in their understanding and nterpretation of future scientific and technological developments. | On completion of this module, the student should be able to: Define the concept and formulate the laws encountered in direct current electricity and solve problems Define and explain the concepts of wave fronts and rays Explain the law of reflection. Distinguish between regular and diffuse reflection. Explain refraction in terms of Snell's law and the index of refraction and give examples of refractive phenomena. Describe total internal reflection and understand |

| | | | | fiber-optic applications. |
|-----|--|--|---|--|
| | | | | Explain dispersion and some of its effects. |
| | | | | Understand how images are formed and describe the characteristics of images formed by plane mirrors. |
| | | | | Distinguish between converging and diverging spherical mirrors. |
| | | | | Determine image characteristics from ray diagrams and spherical mirror equation. |
| | | | | Distinguish between converging and diverging lenses and describe images and their characteristics. |
| | | | | •Find image locations and characteristics by using ray diagrams and the thin-lens equation. |
| | | | | Describe the lens maker's equation and explain how its application differs from that of the thinlens equation. |
| | | | | Understand lens power in diopters. |
| | | | | Explain how Young's experiment demonstrated the wave nature of light. |
| | | | | Compute the wavelength of light from experimental results. |
| 780 | | | _ | REGULATIONS 2024 |

| | Describe how thin films can produce colorful displays and give some examples of practical applications of thin-film interference. |
|--|---|
| | Discuss scattering and explain why the sky is blue and sunsets are red. |
| | Distinguish the various units of heat. |
| | Define the mechanical equivalent of heat |
| | Define specific heat |
| | Explain how the specific heats of materials are measured using the technique of calorimetry. |
| | Compare and contrast the three common phases of matter |
| | Relate latent heat to phase changes. |
| | Describe methods of heat transfer and give practical and or environmental examples of each. |
| | Explain how a temperature scale is constructed. |
| | Convert temperatures from one scale to another. |
| | Describe the ideal gas law and explain how it is used to determine absolute zero. |

| | | | | | | | Understand the Kelvin temperature scale. Understand and be able to calculate the thermal expansions |
|---------------|-------------|-----|-----|---|----|--|--|
| | | | | | | | of solids and liquids. Relate kinetic theory and temperature. |
| | | | | | | | Relate kinetic theory and temperature. |
| | | | | | | | State the First Law of thermodynamics |
| | | | | | | | State the Second Law of thermodynamics |
| | | | | | | | Explain entropy |
| | | | | | | | Explain the nuclear structure and nuclear properties |
| | | | | | | | Understand nuclear processes |
| | | | | | | | Be able to compute binding nuclear energies |
| | | | | | | | Be able to distinguish between the different types of radiation |
| | | | | | | | Be able to explain how nuclear radiation affects particularly biological matter |
| Psychology 1A | PSY1AA 1 | 50% | 50% | 6 | 15 | Psychology 1A introduces students to the | Upon completion of this module students should be able to: |
| | | | | | | fundamentals of psychology. The module is aimed | explain the nature and origins of psychology and |
| | | | | | | at providing students with a broad theoretical foundation for further studies in | critically differentiate between the major perspectives associated with the field of psychology; |
| | | | | | | psychology. To this end students | describe the nature of scientific |

| | | | | | | module is aimed at providing students with an introduction to four defining fields in | explain and critically evaluate various issues, theories, and concepts in Developmental Psychology; |
|---------------------------|-------------|------|------|---|---|--|---|
| | | | | | | contemporary psychology, namely developmental psychology, personality psychology and | explain and critically evaluate various issues, theories, and concepts in Personality Psychology; |
| | | | | | | social psychology. Familiarity with the major concepts and issues related to each of these | explain and critically evaluate various issues, theories, and concepts in Social Psychology; explain and critically |
| | | | | | | fields should enable students to engage with these fields at an advanced level | evaluate various issues, theories, and concepts in Health Psychology; explain and critically |
| Chatiching | CNATO | F00/ | F00/ | - | 0 | in further studies. | evaluate various issues, theories, and concepts in Psychopathology. |
| Statistical Methods 1A | SMT01A 1 | 50% | 50% | 5 | 8 | To provide the student with a perspective of the basics of probability theory and to illustrate its | On completion of this learning event, the student should be able to: Distinguish between different |
| | | | | | | application to the solution of practical problems. The student will also be given a basic | measurement scales. Tabulate data and derive information frequency |
| | | | | | | perspective of a variety of discrete probability distributions and will be able to apply them to | distributions. Derive and interpret information from graphical representations of data. |
| | | | | | | solve problems in various fields of application. | Describe a data set numerically in terms |

| | | of location and spread. |
|--|--|---|
| | | Apply various |
| | | elementary principles of probability theory. |
| | | Use the standardized normal distribution table to find probabilities. |
| | | Apply elementary principles of the sampling distribution of the mean. |
| | | Perform hypothesis testing. |
| | | Measure and model linear relationships between two variables. |

HS12.9 DEPARTMENT OF PODIATRY

BACHELOR OF HEALTH SCIENCES IN PODIATRY (B9P01Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|------------------------|-------------|--------------|--------------|-------|---------|--|---|
| Anatomy and Physiology | ANTPHY 1 | 100% | 0% | 5 | 36 | To enable students to gain an integrated understanding of anatomy, physiology and pathophysiolog y from the cellular level to the level of whole-body systems. It will provide a foundation in key scientific principles applicable to the human condition such as the introductory pharmacology and pathology | •Explain the chemical, cellular and tissue level of organisation of the body and the structure and function of the cell. •Describe the anatomy, physiology, and pathology of the body across the •Brain, Integumentary, Skeletal, Nervous, Cardiovascular (including blood, blood vessels and lymphatic system), Respiratory, Endocrine, Renal, Gastrointestinal (including nutrition), |

| Applied Pharmacology | I | l | 1 | l | | |
|--|---------|-------|-----|---|----|--|---|
| Pharmacology 4 with necessary knowledge, skills, attitudes, and insights required to make safe and effective prescription and use of medications in the management of podiatric related illness and or injury. Also, to equip students with insight and skills to be able to both understand and be able to deal with possible drug interactions. Indepth knowledge of Pharmacokinetics and insights required to make safe and effective prescription and use of carance, volume of distribution and half-life and the implications of injection, the role of skills to be able to be able to deal with possible drug discuss the implications of antibiotic and insights and salgesic prescription with specific relevance to podiatry. Describe and complications of NSAID's and analgesic prescription with specific relevance to podiatry. Describe the principles of local anaesthesia use in podiatry with specific emphasis on safe and effective administration of local anaesthesia in a clinical setting. Describe and effective administration of local anaesthesia in a clinical setting. | APPLICY | 1000/ | 001 | | | and medicine. | Reproductive •Systems. •Explain the cellular, tissue and systems responses to disease including cell death, inflammation, neoplasia, hypertrophy, hyperplasia, tissue responses to injury and repair. |
| | | 100% | 0% | 8 | 10 | with necessary knowledge, skills, attitudes, and insights required to make safe and effective prescription and use of medications in the management of podiatric related illness and or injury. Also, to equip students with insight and skills to be able to both understand and be able to deal with possible drug | in-depth knowledge of Pharmacokinetics and Pharmacodynamic s and the implications of drug absorption, drug clearance, volume of distribution and half-life and the significance in patient management. •Discuss the implications of infection, the role of drug therapy and the concept of antibiotic resistance. •Describe and discuss the importance and complications of NSAID's and analgesic prescription with specific relevance to podiatry. •Describe the principles of local anaesthesia use in podiatry with specific emphasis on safe and effective administration of local anaesthesia in a clinical setting. •Describe and explain the |

| | | | | | | | Local Anaesthetic. Demonstrate the ability to formulate appropriate goal orientated pharmaceutical management plans for common podiatric conditions taking into consideration other medications the patient may be on. (E.g. for RA, Diabetes, HIV/AIDS, TB, HT, Mental conditions etc.) Demonstrated an understanding of poly-pharmacy and its effects and restrictions on podiatric practice. |
|-----------------------------|-------------|-----|-----|---|---|---|---|
| | | | | | | | understanding of both moral and medico-legal aspects of administration of |
| Basic Science: Chemistry | CHB1BB 1 | 50% | 50% | 5 | 6 | Units 1 - 4: Introductory concepts, bonding, and naming These are introductory units that investigate the microscopic components of matter and explain how to link them to both the macroscopic properties of matter and the periodic table. Types of bonding are also discussed along with the conventions for naming inorganic compounds. | drugs to patients Equip students with chemistry learning outcomes applicable in several other areas in the degree; for example, pharmacology, physiology and applied pharmacology. |

| | Units 5 – 6: |
|-----|----------------------------|
| | Balancing |
| | equations and |
| | chemical |
| | calculations - |
| | Stoichiometry |
| | These units |
| | |
| | deal with |
| | chemical |
| | formulas, |
| | balancing |
| | equations and |
| | associated |
| | chemical |
| | calculations. |
| | |
| | The concepts of |
| | percent |
| | composition, |
| | empirical |
| | formulas, mole |
| | to mass to atom |
| | conversions |
| | and |
| | calculations |
| | |
| | involving |
| | balanced |
| | equations |
| | (stoichiometry) |
| | are introduced |
| | and strategies |
| | used to solve |
| | them are |
| | |
| | presented and |
| | applied. |
| | Unit 7: Gases |
| | This unit |
| | provides |
| | students with |
| | information |
| | about the |
| | |
| | properties and |
| | uses of the |
| | types of gases |
| | used in the |
| | emergency |
| | medical care |
| | field. |
| | Unit 8: Water, |
| | |
| | aqueous |
| | solutions, acids |
| | and bases and |
| | pH |
| | This unit gives a |
| | theoretical |
| | overview of |
| | water and its |
| | |
| | associated |
| | properties. |
| 797 | RULES AND REGULATIONS 2024 |

| | | | | | | Factors | |
|----------------|--------|-----|-----|---|---|------------------|---------------------|
| | | | | | | | |
| | | | | | | affecting | |
| | | | | | | solubility, | |
| | | | | | | different types | |
| | | | | | | of solutions, | |
| | | | | | | osmosis, and | |
| | | | | | | acids and | |
| | | | | | | bases are dealt | |
| | | | | | | with, and the | |
| | | | | | | concepts of pH | |
| | | | | | | and buffers are | |
| | | | | | | introduced. | |
| | | | | | | Unit 9: Organic | |
| | | | | | | | |
| | | | | | | Chemistry | |
| | | | | | | This unit deals | |
| | | | | | | with organic | |
| | | | | | | chemistry and it | |
| | | | | | | introduces | |
| | | | | | | organic | |
| | | | | | | chemistry | |
| | | | | | | dealing with the | |
| | | | | | | physical and | |
| | | | | | | chemical | |
| | | | | | | properties of | |
| | | | | | | the most | |
| | | | | | | | |
| | | | | | | common | |
| | | | | | | organic | |
| | | | | | | compounds | |
| | | | | | | including | |
| | | | | | | compounds like | |
| | | | | | | alcohols, | |
| | | | | | | ketones, | |
| | | | | | | organic acids, | |
| | | | | | | and | |
| | | | | | | carbohydrates, | |
| | | | | | | lipids, and | |
| | | | | | | proteins. | |
| | | | | | | Unit 10: | |
| | | | | | | Radioactivity | |
| | | | | | | _ | |
| | | | | | | This unit | |
| | | | | | | identifies the | |
| | | | | | | different types | |
| | | | | | | of radioactivity | |
| | | | | | | and explains | |
| | | | | | | the dangers | |
| | | | | | | and precautions | |
| | | | | | | associated with | |
| | | | | | | them. | |
| | | | | | | | |
| Basic Science: | PHB1AA | 50% | 50% | 5 | 6 | This module is | Equip students with |
| Physics | 1 | | | - | | presented in | learning outcomes |
| , 5, 5, 5 | | | | | | accordance | applicable in |
| | | | | | | with the | several other areas |
| | | | | | | | |
| | | | | | | following | in the degree; for |
| | | | | | | sections: | example, the |
| | | | | | | 1 Units and the | concepts of motion, |
| | | | | | | 1.Units and the | forces and |
| | | | | | | decimal | mechanical |
| | | | | | | | |

| | | | | | | system: •The decimal system and scientific notation. •Units and conversion of units. 2.Mechanics: •Vectors in two dimensions. •Dynamics: Equations of motion for uniform motion. •Newton's laws applied to uniform motion on frictionless surfaces. •Work, momentum, energy and power. •Simple machines. 3.Hydrostatics: •Density and relative density. •Archimedes' principle. •Pressure in static fluids. •Gas laws. 4.Heat transferring | advantage are applicable to the biomechanics and human gait understanding. |
|--------------------------------------|-------------|------|----|---|----|--|--|
| | | | | | | transferring processes: •Conduction, convection and radiation | |
| Clinical Practice 1 (Practice) | CLPPHY 1 | 100% | 0% | 5 | 20 | Introduces the students to the practical examinations, basic skills in patient interaction, assessment as well as to the equipment important in managing a patient. It further introduces and equip the | *Elicit a basic history and make basic notes from patient interview *Demonstrate professional, ethical patient interaction with patients and colleagues *Conduct a basic assessment of a patient *Demonstrate and perform basic assessment & treatment techniques on a |

| | | | | | | students with the ability to handle documents and files relating to clinical work. | patient •Demonstrate basic knowledge of medical equipment used by podiatrist •Identify common podiatric complaints |
|--------------------------------------|-------------|------|----|---|----|--|---|
| Clinical Practice 2 (Practice) | CLPPHY 2 | 100% | 0% | 5 | 16 | The purpose of this module is to equip the student with the ability to utilize their clinical skills in taking a clinical history, diagnose, examine including the use of special instruments and accurately manage all lower limb pathologies | •Demonstrate competency in the following clinical skills: assessing a patient's blood pressure, examine joint ranges of the foot & lower limb and to assess structures in and around the joints, assess muscle strength and musculature of each muscle group of each muscle compartment of the lower limb and assess the neurological & vascular status of a patient. •Demonstrate ability to: undertake a basic gait cycle & biomechanical examination, discuss laboratory tests utilized in podiatric investigations, interpret x-rays presented, and refer patients for radiographic examinations. |
| Clinical Practice 2 (Theory) | CLPTHY 2 | 100% | 0% | 5 | 16 | The purpose of this module is to equip the student with the theoretical knowledge/ clinical skills in taking a clinical history, diagnose, examine including the use of special instruments and | Discuss and describe how and why to perform the following clinical skills: assessing a patient's blood pressure, examine joint ranges of the foot & lower limb and to assess structures in and around the joints, assess muscle strength and |

800

| Clinical | CI DDI IV | 1000/ | 00/ | 6 | 10 | accurately manage all lower limb pathologies | musculature of each muscle group of each muscle compartment of the lower limb and assess the neurological & vascular status of a patient. |
|--------------------------------|-------------|-------|-----|---|----|---|---|
| Clinical Practice 3 (Practice) | CLPPHY 3 | 100% | 0% | 6 | 18 | Equips the student by bringing together all the relevant theoretical knowledge learned, and practical clinical skills from attending a wide variety of clinics both on and off campus where students are given responsibility to diagnose, and comprehensivel y manage both localized and systemic pathologies as they manifest on the lower limb, by means of invasive surgery, pharmacothera peutics, and by prescription of specialised devices such as orthoses, innersoles and padding. The module provides relevant practical clinical skills in Podiatric Biomechanics, Radiology, Physical examination of a patient, and introduction to advanced | Students can demonstrate integration of theory and practice in: Logical clinical history-taking The appropriate examination of the patient. The appropriate management of a patient. A patient file is comprehensively documented and correctly charted. •Patients are appropriately referred •Complete clinical skills with precision as detailed in the Skills assessment sheets •Clear and concise decision-making skills demonstrated for the prescription of orthotic devices •Skilful manufacture of orthotic devices |

| | | | | | | Outhotic the answer | |
|------------|--------|-------|----|---|----|-----------------------------------|---------------------------------------|
| | | | | | | Orthotic therapy in the | |
| | | | | | | management of | |
| | | | | | | foot and lower | |
| | | | | | | limb | |
| Clinical | CLPTHY | 1000/ | 0% | 6 | 10 | pathologies. | •Name and |
| Practice 3 | 3 | 100% | U% | ٥ | 18 | Clinical Studies III provides the | •Name and describe in detail all |
| (Theory) | | | | | | student with the | the necessary |
| | | | | | | ability to apply | examinations that a |
| | | | | | | podiatric | patient may |
| | | | | | | medicine | require. |
| | | | | | | principles in various clinical | •Demonstrate an understanding of |
| | | | | | | situations by | the different |
| | | | | | | using logic in | biomechanical |
| | | | | | | explaining the | principles and the |
| | | | | | | resulting | role of |
| | | | | | | pathologies. The module | biomechanics in the assessment |
| | | | | | | also provides | and management |
| | | | | | | relevant | of podiatric |
| | | | | | | theoretical | conditions. |
| | | | | | | knowledge and | •Explain the |
| | | | | | | practical clinical skills in | mechanics of foot function and relate |
| | | | | | | Podiatric | anomalies to |
| | | | | | | Biomechanics, | abnormal foot |
| | | | | | | Diagnostic, | function and |
| | | | | | | Radiology, | pathology. |
| | | | | | | Physical examination of | •Institute and discuss the |
| | | | | | | a patient, and | management of |
| | | | | | | introduction to | abnormal foot |
| | | | | | | advanced | function using the |
| | | | | | | Orthotic therapy | various mechanical devices discussed. |
| | | | | | | in the management of | •Demonstrate an |
| | | | | | | foot and lower | understanding of |
| | | | | | | limb | radiological |
| | | | | | | pathologies. | modalities and be |
| | | | | | | | able to interpret and write a concise |
| | | | | | | | report on the image |
| | | | | | | | presented. |
| | | | | | | | •Be able to |
| | | | | | | | structure/ design |
| | | | | | | | comprehensive |
| | | | | | | | podiatric management |
| | | | | | | | strategy for high- |
| | | | | | | | risk patients. |
| | | | | | | | •Identify and |
| | | | | | | | describe the |
| | | | | | | | presentations of various |
| | | | | | | | dermatological |
| | | | | | | | conditions on the |
| | • | • | | | | • | • |

| | | | | | | | foot and lower limb and describe and discuss appropriate podiatric/ medical management of such conditions. |
|---------------------------------------|-------------|------|----|---|----|---|---|
| Clinical Practice 4 (Practical) | CLPHSY 4 | 100% | 0% | 8 | 22 | This practical module aims to provide a transitional role by fully preparing students for independent clinical practice on its completion. | •Demonstrate competency in the performance of routine and specialised podiatric skills in order to competently assess, diagnose, treat and manage conditions and/or pathology affecting the foot and lower limb. |
| Clinical Practice 4 (Theory) | CLPTHY 4 | 100% | 0% | 8 | 20 | The Clinical Practice IV module aims to provide the framework for the full integration of the academic components of the programme with the advancing skills and knowledge reflective of the NQF level 8 students during the final clinical practice component. | •Demonstrate ability to integrate relevant underlying theoretical knowledge learned, evidence and practical clinical skills in a wide variety of clinical settings both on and off campus where students are given responsibility to diagnose, and comprehensively manage both localized and systemic pathologies as they manifest on the lower limb, by means of invasive surgery, pharmacotherapeut ics, and by prescription of specialised devices such as orthoses, innersoles and padding. |
| Health Management Systems | HMSPHB4 | 100% | 0% | 8 | 10 | Introduce students to health management systems and an introduction to public health management | Demonstrate ability to ethically manage a clinical practice in all sectors of the community within the health care environment. Competently align |

| | | | | | | structures. | and reflect on |
|-----------------|-----------|-------|-----|---|----|-----------------------------|---|
| | | | | | | Structures. | factors that might |
| | | | | | | | affect clinical |
| | | | | | | | decision making |
| | | | | | | | and is cognisant of |
| | | | | | | | relevant legislation |
| | | | | | | | governing |
| | | | | | | | healthcare in RSA. |
| Human | HUMSHY | 50% | 50% | 5 | 20 | The following | At the end of the |
| Sciences | 1 | | | | | sections are | module students |
| | | | | | | covered in this | understand |
| | | | | | | module: | individual human |
| | | | | | | •Perception | behaviour and |
| | | | | | | •Learning | group dynamics. |
| | | | | | | •Memory | The module makes |
| | | | | | | •Intelligence •Motivation & | it possible for |
| | | | | | | emotions | students to detect |
| | | | | | | •Altered states | psychopathology and make |
| | | | | | | of | appropriate |
| | | | | | | consciousness | referrals. |
| | | | | | | •Psychopatholo | TOTOTIAIS. |
| | | | | | | gy | |
| | | | | | | •Human | |
| | | | | | | development | |
| | | | | | | •Personality theories | |
| | | | | | | •Social | |
| | | | | | | psychology | |
| | | | | | | •Therapeutic | |
| | | | | | | communication | |
| | | | | | | •Self- | |
| | | | | | | awareness | |
| | | | | | | •Introduction to | |
| | | | | | | Sociology | |
| | | | | | | •Health and | |
| | | | | | | healthcare | |
| | | | | | | •Gender and | |
| | | | | | | feminism | |
| | | | | | | •Family/ culture | |
| | | | | | | and ethnicity | |
| | | | | | | •Death & | |
| Indua d | INITOLINA | 4000/ | 00/ | _ | 10 | bereavement | A 4 4 h a |
| Introduction to | INTPHY | 100% | 0% | 6 | 12 | The | At the end of this |
| Pharmacology | 3 | | | | | Pharmacology module | module students |
| | | | | | | introduces the | are expected to:Describe |
| | | | | | | principles of | scope of modern |
| | | | | | | pharmacology | pharmacology |
| | | | | | | and how | including small |
| | | | | | | generic groups | molecule based |
| | | | | | | of medications | therapies, protein |
| | | | | | | may interact | based therapies |
| | | | | | | with and affect | (biopharmaceutical |
| | | | | | | human | s), stem cell based |
| | | | | | | physiology. | therapies, gene |
| | | | | | | This subject | based therapies |
| | | | | | | requires | Explain the |
| | | • | • | | | | |

| | | | students to link their understanding of physiology, pathophysiolog y and podiatric medicine to the prescription and administration of medications. Issues such as the legal requirements surrounding the procurement, use, and storage of medications are | purpose and guidelines of drug schedules and legislation. • Discuss the role of the legislating bodies with regards to pharmacology. • Provide insight into prescribing medicine (Section 22C licence) with regards to Section 22 of the Medicines and Related SubstancesAct, |
|-----|--|--|---|---|
| | | | Each of the medications that are commonly prescribed and / or administered by podiatrists is dealt with in significant detail. | this to storage. Describe different types of drug interactions and provide examples of medications that result in drug interactions Discuss different types of drug dependence and provide examples of medications that cause dependence Write a script Discuss prescribing in special populations (pregnant women, children and elderly) Discuss |
| 805 | | | | management of common toxic syndromes associated with major drug groups Discuss the role pharmacoeconomics plays in |

| | | | | | | | treatment options |
|------------------------------|-------------|------|----|---|----|---|--|
| Medical Sciences | MEDSHY 1 | 100% | 0% | 6 | 12 | This module will provide a basic yet broad foundation in the sciences that underpin the practice of Health Care Sciences. | It enables students to gain an introductory understanding of key biological concepts such as immunology, epidemiology, and microbiology. |
| Pathology and Medicine | PATMHY 3 | 100% | 0% | 6 | 24 | The purpose of this module is introduce the learner to the aetiologies, signs and symptoms, assessment and management systemic conditions | Recognise and appraise systemic conditions and the signs and symptoms that impact on the foot and lower-limb for the purpose of treatment, referral and subsequent management. |
| Physiology 2 | PHYGH Y2 | 100% | 0% | 6 | 24 | Purpose of this module is that the learner understands the physiological mechanisms of the nervous system, reproductive system, cardiovascular/circulatory system, lymphatic system, respiratory system. This will enable the student a better understanding as to why certain pathologies occur in the lower limb. | Students understands the physiological processes of the disease and can appreciate the difference between healthy and diseased physiological functions. |
| Pod Med: 4 Podogeriatrics | PDMGHY 4 | 100% | 0% | 8 | 10 | Purpose of this module is that the learner understands the physiological mechanisms of the nervous | Describe the structure and the functions of the integumentary systemand its associated appendages Describe |

| | | | | | system, | the physiological |
|-----------------|------|----|---|----|---|---|
| | | | | | reproductive system, circulatory system, lymphatic system, respiratory system. This will enable to give the student a better understanding as to why certain pathologies to occur in the lower limb. The student will also have the ability to see the whole body as whole and not just focus on the limbs. | mechanisms involved in movement Explain the physiological mechanisms of communication, integration and control of the nervous system Relate the structures and functions of the endocrine glands and reproductive organs to their functions Describe the anatomy and physiology of the circulatory system. Describe the structure and function of the immune system, highlighting the role of the lymphatic system. Describe the anatomy and physiology of the respiratory system. Describe the anatomy and physiology of the respiratory system. Describe the anatomy and physiology of the respiratory system. |
| PDMPHY 4 | 100% | 0% | 8 | 10 | Podopaediatric s aims to equip students with knowledge and ability to identify, diagnose, and comprehensivel y manage both localized and systemic pathologies as they manifest on the lower limb in a paediatric patient. | Demonstrate competency in the performance of routine and specialised podiatric skills in order to clinically assess, diagnose, treat and manage conditions and/or pathology affecting the foot and lower limb in paediatric patients. |
| PDMSHY 4 | 100% | 0% | 8 | 10 | Sports Medicine introduces students to the | Demonstrate competency in the performance of routine and |

| | | | | | | field of sports medicine and equips them with knowledge and ability to identify, diagnose, and comprehensivel y manage both localized and systemic pathologies as they manifest on the lower limb in a sports patient. | specialised podiatric skills in order to clinically assess, diagnose, treat and manage conditions and/or pathology affecting the foot and lower limb sport patients/ patients presenting with sports related pathologies. |
|---------------------------------------|-------------|------|----|---|----|---|---|
| Podiatric Anatomy 2 (Practical) | PDAPHA 2 | 100% | 0% | 5 | 8 | This module helps students to gain the relevant practical and functional lower limb anatomical background applicable to Podiatry. | Identify, describe the Surface anatomy and landmarks; Skeletal anatomy; Muscular anatomy; Cardiovascular anatomy; Neural anatomy as these relates to the foot and lower limbs. |
| Podiatric Anatomy 2 (Theory) | PDATHA 2 | 100% | 0% | 5 | 8 | This module aims to enable students to gain the relevant theoretical lower limb anatomical background applicable to Podiatry | Discuss and provide clinical podiatric significance of Surface anatomy and landmarks; Skeletal anatomy; Muscular anatomy; Cardiovascular anatomy; Neural anatomy. |
| Podiatric Medicine 1 (Theory) | PDMTH Y1 | 100% | 0% | 6 | 24 | The primary purpose of this module is to introduce you to the field of Podiatric Medicine. This will be achieved by introducing students to basic local and systemic disorders affecting the foot and lower limbs, basic pharmacology (Materia medica) and by equipping you | Discuss what is meant by ethical and professional behaviour. •Explain what a Podiatrist does and discuss their role in the health care system •Demonstrate ability to reason clinically. •Have basic knowledge of body systems, their assessments, systemic conditions and their effect on the foot and lower |

| | | | | | | with basic skills in patient interaction, assessment as well as clinical reasoning. | •Knowledge of basic podiatric complaints, material medica and function of the foot. |
|-------------------------|-------------|------|----|---|----|---|---|
| Podiatric Medicine 2 | PDMTH Y2 | 100% | 0% | 6 | 36 | The purpose of the Podiatric Medicine II module is to introduce the student to the foot and lower limb conditions, their effect on the foot and lower limb and equips students' with the skills to identify, assess diagnose and manage these conditions. | Competently identify, describe, assess and manage the forefoot conditions, hindfoot conditions, and ankle, knee and hip pathologies. Demonstrate, examine, and choose the appropriate techniques in padding, strapping and casting for treatment of foot and lower limb conditions. Interpret, evaluate and demonstrate the clinical investigations essential for confirming the diagnosis of presenting pathologies. Discuss pharmacological management of foot and lower limb conditions. |
| Podiatric Medicine 3 | PDMNHY | 100% | 0% | 8 | 32 | The purpose of Podiatric Medicine III is to introduce students to foot and lower limb pathologies due to or as a complication of communicable and noncommunicable systemic conditions. | Systemic diseases are defined; their clinical presentation, pathological course, podiatric and medical management and manifestation in the lower limb and foot are accurately described. Ulcers are accurately categorised and defined with the student being able to explain precisely the various |

| Podiatric Orthotics 2 (Practice) Podiatric Orthotics and design for CAD-Orthotics and design for the use of external foot devices used to treat and and an an an ability to identify and demonstrate integration of the practical and and an an an ability to identify and demonstrate integration of the practical and an an ability to identify and demonstrate an ability to think an ability to think an ability to think and arbitractic and and an an ability to thin | | | | | | | | pathophysiology. •Describe or |
|--|-------------|---|------|-----|---|---|------------------|--------------------------------------|
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 1 (Theory) Podiatric Orthotic 2 (Theory) Podiatric Orthotic 2 (Theory) Podiatric Orthotic 1 (Theory) Podiatric Orthotic 2 (Theory) Podiatric Orthotic 2 (Theory) Podiatric Or | | | | | | | | appropriate |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 1 (Practice) Podiatric Orthotics 2 (Practice) Podiatric Orthotics 1 (Practice) Podiatric Orthotics 2 (Practice) Podiatric Orthotics 1 (Practice) Podiatric Orthotics 2 (Practice) Podiatric Orthotics 1 (Practice) Podiatric Orthotics 2 (Practice) Podiatric Orthotics 1 (Practice) Podiatric Markatura 1 (Practical) Podiatric Markatura 1 (Practi | | | | | | | | management of the |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 4 (Practice) Podiatric Markaticular (Practice) Podiatric Markaticular (Practice) Podiatric Orthotics 4 (Practice) Podiatric Markaticular (Practicular (Pra | | | | | | | | based on the |
| Podiatric Orhotics 2 (Practice) Podiatric Orhotics 1 (Practice) Podiatric Orhotics 2 (Practice) | | | | | | | | and |
| Podiatric Orthotics 2 (Practice) Podiat | | | | | | | | management. |
| Podiatric Orthotics 2 (Practice) Podiatric Podiatric orthotics and devices for patients with any abnormal biomechanical ailments. Podiatric Orthotics 4 (Practice) Podiatric Orthotics 4 (Practice) Podiatric Numbedge and basis for the understanding of anatomy of the foot and lower limb and lower limb pathologies. | | | | | | | | demonstrate an |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 4 (Practice) Podiatric Orthotics 4 (Practice) Podiatric Orthotics 4 (Practice) Podiatric Orthotics 4 (Practice) Podiatric Orthotics 5 (Practice) Podiatric Orthotics 4 (Practice) Podiatric Orthotics 4 (Practice) Podiatric Number 1 (Practice) Podiatric Number 1 (Practical Practical Practic | | | | | | | | |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 1 (Theory) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 1 (Theory) Podiatric Orthotics 2 (Theory) | | | | | | | | • |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 1 (Theory) Podiatric Orthotics 2 (The | | | | | | | | _ |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 4 (Practice) Podiatric Orthotics 5 (Practice) Podiatric Orthotics 4 (Practice) Podiatric 4 (Practice) | | | | | | | | about ethical |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 4 (Theory) Podiatric Orthotics 5 (Theory) Podiatric Theory Podiatric Theory Podiatric Theory Podiatric Theory Podiatric Theory Podiatric Theory Podi | | | | | | | | •Able to |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 1 (Theory) Podiatric Orthotics 1 (Theory) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 1 (Theory) Podiatric Or | | | | | | | | between upper and |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 1 (Theory) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 1 (Theory) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 1 (Theory) Podiatric Orthotics 2 (Theory) Podiatric Orth | | | | | | | | lesions and be able |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 4 (Theory) Podiatric Orthot | | | | | | | | |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 4 (Theory) Podiatric Orthotics 4 (Theory) Podiatric Orthotics 5 (Theory) Students should demonstrate integration of their understanding of anatomy of the foot and lower limb and podiatric medicine I certain foot and lower limb pathologies. | | | | | | | | |
| Podiatric Orthotics 2 (Practice) Podiatric Orthotics 2 (Theory) Podiatric Orthotics 4 (PDOTHY 100% 0% 5 8 Orthotics theory aims to provide knowledge and basis for the use of external foot devices used to treat certain foot and lower limb podiatric medicine I certain foot and lower limb podiatric medicine I and II, in prescribing and manufacturing | | | | | | | | neurological |
| Orthotics 2 (Practice) Y2 also aims to equip students with the practical skills to confidently prescribed devices for patients with any abnormal biomechanical ailments. Podiatric Orthotics 2 (Theory) Podiatric Orthotics 2 (Theory) Description of their understanding of anatomy of the foot foot devices used to treat certain foot and lower limb pathologies. Also aims to manufacture orthotics and design for CAD-CAM orthotic manufacture. CAM orthotic manufacture orthotics and design for CAD-CAM orthotic manufacture. CAM orthotic manufacture orthotics and design for CAD-CAM orthotic manufacture. CAM orthotic manufacture orthotics and design for CAD-CAM orthotic manufacture. CAM orthotic manufacture orthotics and design for CAD-CAM orthotic manufacture. CAM orthotic manufacture orthotics and design for CAD-CAM orthotic manufacture. CAM orthotic manufa | | | | 201 | | | | presenting clinical features. |
| Podiatric Orthotics 2 (Theory) Podiatric Orthotics 4 (Theory) Podiatric Orthotics 5 (Theory) Podiatric Orthotics 4 (Theory) | Orthotics 2 | | 100% | 0% | 6 | 8 | also aims to | manufacture |
| Podiatric Orthotics 2 (Theory) Podiatric Orthotics theory aims to provide knowledge and basis for the understanding of use of external foot devices used to treat certain foot and lower limb podiatric medicine I and lower limb pathologies. Podiatric Orthotics theory aims to provide integration of their understanding of anatomy of the foot and lower limb podiatric medicine I and ll, in prescribing and manufacturing | (Practice) | | | | | | | |
| Podiatric Orthotics 2 (Theory) Podiatric Orthotics 4 (Theory) Podiatric Orthotics 4 (Theory) Podiatric Orthotics 4 (Theory) Podiatric Orthotics 5 (Theory) Podiatric Orthotics 5 (Theory) Podiatric Orthotics 4 (Theory) Podiatric Orthotics 5 (Theory) Podiatric Orthotics 5 (Theory) Podiatric Orthotics 4 (Theory) Podiatric Orthotics 5 (Theory) Podiatric Orthotics 5 (Theory) Podiatric Orthotics 4 (Theory) Podiatric Orthotics 5 (Theory) Podiatric Orthotics 5 (Theory) Podiatric Orthotics 5 (Theory) Podiatric Orthotics 4 (Theory) | | | | | | | | |
| Podiatric Orthotics 2 (Theory) Students should demonstrate integration of their understanding of anatomy of the foot foot devices used to treat certain foot and lower limb podiatric medicine I certain foot and lower limb pathologies. | | | | | | | 1 - | |
| Podiatric Orthotics 2 (Theory) Podiatric Orthotics theory aims to provide knowledge and basis for the understanding of anatomy of the foot and lower limb and podiatric medicine I certain foot and podiatric medicine I and II, in prescribing and pathologies. | | | | | | | patients with | |
| Podiatric Orthotics 2 (Theory) PDOTHY 2 (Theory) PDOTHY 2 Ow 5 8 Orthotics theory aims to provide knowledge and basis for the understanding of use of external foot devices used to treat certain foot and lower limb pathologies. PDOTHY 2 Students should demonstrate integration of their understanding of anatomy of the foot and lower limb prescribing and pathologies. | | | | | | | biomechanical | |
| (Theory) knowledge and basis for the understanding of use of external foot devices used to treat certain foot and lower limb pathologies. knowledge and basis for the understanding of anatomy of the foot and lower limb and pathologies. | | | 100% | 0% | 5 | 8 | Orthotics theory | |
| use of external foot devices and lower limb and used to treat podiatric medicine I certain foot and lower limb prescribing and pathologies. | | _ | | | | | knowledge and | integration of their |
| used to treat podiatric medicine I certain foot and and II, in lower limb prescribing and pathologies. manufacturing | | | | | | | use of external | anatomy of the foot |
| lower limb prescribing and pathologies. manufacturing | | | | | | | used to treat | podiatric medicine I |
| | | | | | | | | prescribing and |
| | | | | | | | | manufacturing these external foot |

| | | | | | | capacitates the | devices. |
|-----------------------------------|-------------|------|----|---|----|---|--|
| | | | | | | student with necessary skills to recognize, accurately diagnosis and treat foot problems through the prescription of external foot devices. | |
| Podiatric Surgery | PODSH Y3 | 100% | 0% | 8 | 12 | The purpose of the Surgery module is to introduce students to surgery techniques of the foot and lower limb and to develop and enhance your understanding of podiatric theory as it applies to surgical management of foot complaints | Students must be aware of specific procedures that patient may need and refer to appropriate specialists. Demonstrate understanding of the effect of orthopaedic procedures on the lower limb and spine. Discuss, describe and demonstrate ability to competently perform podiatric surgical procedures. |
| Private Practice Management | PPMPH A4 | 100% | 0% | 8 | 8 | Private Practice Management aims to provide students with a clear understanding of Private practice in terms of: Starting up a business, appointment systems, recording keeping and ethical tariffs, taxation, and insurance The importance of CPD Health risks | Demonstrate ability to ethically manage a clinical practice in a private sector within the legislative framework. Demonstrate an entrepreneurial ability. |
| Research Methodology | REMPHY 3 | 100% | 0% | 8 | 12 | Aims to introduce the | Develop research skills and be aware |
| Methodology | 3 | | | | | student to the concept of | of methodologies |

| | | | | | | research and provides an important foundation for the research elective in the fourth year. This subject becomes very important for future academic progression as well as the ability to critically appraise new findings and publications in the field of podiatric | research within a podiatric and health sector. Discern the role and contribution of research the development of the profession. Critically reflect on research ethics and the significance of being a lifelong learner and a reflective practitioner. |
|---|-------------|------|----|---|----|---|---|
| Research Project and Dissertation | REPPHY 4 | 100% | 0% | 8 | 30 | medicine. Assist students develop critical evaluation, methods of enquiry and an extended knowledge of contemporary developments as they undertake a research project. | Conduct a research project within a podiatric context to demonstrate good design technique, initiative, original thinking, and analytical skills. |

HS12.10 <u>DEPARTMENT OF SPORT AND MOVEMENT STUDIES</u>

HIGHER CERTIFICATE IN SPORT ADMINISTRATION (F9SA1Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|---|---------|-----------|-----------|-------|---------|--|--|
| Communication and Computer Literacy | CCLSAA1 | 100% | 0% | 5 | 5 | The purpose of the module is to provide students with the foundational computer literacy and communication skills needed in the coaching domain. The course is introductory and focuses on the | Complete the UJ online Computer proficiency test. Apply basic computer skills using the UJ Learning Management system / MSWord, Excel and PowerPoint for communication with parents, sponsors, sport |

| | | | | | | development of core skills. | administrators and the media. Use effective communication with with parents, sponsors, sport administrators and the media Identify Cyber issues Address common communication issues with stakeholders such as parents, sponsors, sport administrators and the media are clearly discussed. The major communication problems common to the coaching profession are accurately identified and addressed |
|-------------------|---------|------|----|---|---|--|--|
| First Aid Level 1 | FALSAB1 | 100% | 0% | 5 | 5 | Students will be required to complete an accredited Level 1 First Aid course. The Certificate of Completion is to be submitted prior to the completion of the programme. | The successful student will be able to identify, describe and appropriately manage the following: Generic principles of first aid Common infectious diseases Generic actions in an emergency situation Trauma, injuries and multiple casualty incidents Patient assessment and history taking Asphyxia Drowning and near-drowning Shock Unconsciousness Brain disorders Cardiac disorders Burns Poisoning, bites and stings Environmental conditions Pregnancy and emergency |

| | | | | | | | childbirth |
|--|---------|------|----|---|----|--|---|
| Financial Administration in Sport | FASSAB1 | 100% | 0% | 5 | 10 | This module deals with financial management in sport and addresses issues such as budgets, financial planning in sport, and basic accounting with reference to the sport industry. This module aims to provide students with the intellectual competencies in the acquisition, analysis, interpretation and application of basic accounting concepts, such as budgeting, financial planning, and financial statement analysis. Learners will be guided in terms of application as well as assessment of the principles, disciplines and practices of Sport Finance in a holistic context. | or expense. Calculate VAT. Distinguish between manufacturing costs and nonmanufacturing costs. |
| Facility, Competition and Event Administration | FCESAY1 | 100% | 0% | 5 | 10 | The purpose of the module is to introduce the student to the principles of facility and event management in sport. Effective events and facility management requires organisational abilities, multitasking, | Explain accurately the key requirement for effective events and facility management; Demonstrate an understanding of the organisational activities and requirements for a successful event; Demonstrate an understanding of the skills needed |

| | | | | | | communication skills, creativity, problem-solving, attention to detail, the ability to work to deadline and negotiation and marketing skills. Students will be introduced to the various requirements in each of the areas. | to manage a sport facility or event. Develop an appropriate logistics event plan. |
|--|---------|------|----|---|----|--|--|
| Human Resource Administration in a Sport Club | HRASAA1 | 100% | 0% | 5 | 10 | The purpose of this module is to acquire the required knowledge and skills to administer the human resources of a sport club effectively. Topics covered are the human resources in sport clubs, volunteers and volunteerism, job design, staffing, recruitment, induction, appointment development and appraisal of performance of human resources. | Identify and describe the different human resources in a sport club or recreation organisation; Gain some insight into the economic significance of volunteer organisations such as a sports clubs; distinguish between job simplification, job rotation and job enlargement; Describe the purpose and focus of job analysis, job description and job specification; define leadership and describe forms of leader behaviour; Discuss the process by which individuals are motivated in an organisation; define and describe values and distinguish them from attitudes and norms; explain why human resource development should take place in an organisation; define the process of performance appraisal and explain its |

| | | | | | | | purpose; |
|--|---------|------|----|---|----|--|--|
| | | | | | | | |
| Introduction to Sport Marketing and Administration | IMASAA1 | 100% | 0% | 5 | 10 | Implement the administrative component of a marketing plan of a sport club, event and competition. | Provide a definition of sport marketing. Explain why doing marketing research is important to a business. Define a target market. Explain what the marketing mix is. List what elements of the marketing mix. Define sponsorship. Explain the reasons for sponsorship. Explain the term 'Ambush Marketing' |
| Principles and Administration of Coaching | PACSAA1 | 100% | 0% | 5 | 5 | The purpose of Principles and ministration of coaching in Sport Administration is to provide learners with knowledge, skills and competencies to ensure professional, ethical and effective administration as well conducting of sport coaches accros various sporting codes. This module also has the purpose of teaching the | principles of coaching. To be able to understand and explain the role of a sport coach To to acknowledge and discuss the qualities of a good coach To be informed of how to deal with a rude coach. Have gained some |

| | | | | | | students the | |
|----------------------------------|---------|------|----|---|----|--|---|
| | | | | | | basic skills and a way of understanding what it takes to be an excellent coach. | |
| People with Disability in Sport | PDSSAB1 | 100% | 0% | 5 | 5 | The purpose of the module is to provide students with the basic principles of coaching athletes with disabilities. The module also introduces students to the sport code and event classification of athletes. | Demonstrate the ability to distinguish correctly between the different types of physical and intellectual disability and the classification thereof within a variety of sports codes. Identify correctly the key role players for disability sport at national and international level. The distinction between physical and intellectual disability is accurately identified and described. The various classifications required for athlete participation in sport are correctly differentiated and applied. National and international disability structures and organisations in sport are correctly identified and differentiated. |
| Sport and Club Administration | SCASAY1 | 100% | 0% | 5 | 20 | The purpose of the module is to introduce students to the various areas of administration of a sport club. These include distinguishing between management and administration, identify stakeholders of | Debate the difference between management and administration within the context of a sport/recreation club. Identify and describe the different stakeholders and their roles in a community sport |

| | | | | | | a local sport club, develop a process to start a community sport club, plan and develop a basic sport club constitution, develop a committee structure for a local sport club, debate the role of meetings as well as that of the members of meetings, plan the administration of equipment in a sport club as well as developing a risk plan for a local sport club. | or recreation club. Explain the different steps and argue each to start a sport club. Describe the role and purpose of a sport club constitution. Compile a constitution for a sport club. Explain the different positions and their roles on a sport club committee. Describe the requirements and format of an agenda of a meeting and accompanied minutes. Distinguish between the different types of sport equipment and administration thereof in a club. Discuss and apply the principles of the development of a risk plan for a sport club. |
|-----------------------------------|---------|------|----|---|----|---|---|
| Sport Leadership and Ethics | SLESAB1 | 100% | 0% | 5 | 10 | The purpose of the module is to demonstrate to students the leadership skills and strategies required for coaching within an ethical framework. The module introduces students to a variety of leadership styles and approaches, with a view to developing an effective and proficient coach. | Demonstrate the ability to distinguish between and select from different types of leadership styles, indicating which is more effective and why. Demonstrate an understanding of the need for a personal coaching vision and the importance of a code of conduct. Demonstrate an understanding of the importance of the importance of the ethical framework within which a coach must operate. |
| Self- Management | SMDSAA1 | 100% | 0% | 5 | 5 | The purpose of the module is to | Demonstrate the skills needed to |

| and Personal Skills Development | | 4000/ | | | | develop the inter- and intrapersonal skills needed for coaching within the four domains. The module provides for the development of a self-reflective approach to coaching and to coach as educator. | manage his or her time effectively; Demonstrate the techniques needed to manage communication effectively. Demonstrate an appreciation of the need for a personal coaching philosophy. Develop an appropriate coaching philosophy, and the components thereof. |
|---------------------------------------|---------|-------|----|---|----|--|--|
| Work Integrated Learning (WIL) | WILSAY1 | 100% | 0% | 5 | 15 | The purpose of this module is to acquire the competency to apply sport administrative knowledge in practical situations effectively. Competencies relates to human resource, financial, marketing, leadership and event administration experiences in a sport club or recreation centre. | Take the minutes of a meeting correctly and that is in line with the agenda of the meeting. Describe how the sport organization plan and implement the selection and induction of a newly recruited staff member (coach, instructor). Develop a mascot as marketing instrument for a sport club/organization Explain why is budgeting important Indicate how often is the budget revised Indicate how employee contribution and leadership is acknowledged at the club / centre. Devise a plan on how the club / centre could have a small activity to acknowledge employee contribution and leadership every month during staff meetings. Reflect on the planning and |

| | | | implementation | |
|--|--|--|-------------------------|-----------|
| | | | referring to | the |
| | | | • | when |
| | | | planning, | |
| | | | implementing evaluating | and an |
| | | | evaluating event. | all |
| | | | OVOITE. | |

HIGHER CERTIFICATE IN SPORT COACHING & EXERCISE SCIENCES (F9SC2Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|------------------------------|---------|-----------|-----------|-------|---------|--|--|
| Basic Anatomy and Physiology | BAPSCY1 | 100% | 0% | Ф | 10 | The purpose of the module is to enable the student's understanding of the basics of anatomy and physiology. This understanding will be focused on the importance of anatomy and physiology for sport and exercise. | Identify the major components of the skeletal muscular system. Demonstrate an understanding of the energy systems required for the production of movement. |
| Basic Coaching Science | BCSSCB1 | 100% | 0% | 5 | 10 | Coaching science lays out the theoretical underpinnings of the work of a coach. A successful coach is able to transfer the knowledge acquired in this module into the practice of coaching to support and develop optimal performance. The purpose | Conduct and implement basic fitness training protocols embedded within the principles of coaching, training and exercise. Demonstrate familiarity with basic coaching methods and styles. Communicate coaching goals to participants. Demonstrate familiarity with the basic techniques |

| | | | | | | of this module is therefore to introduce the student to the principles of coaching science which provide the disciplinary paradigm from which all coaching proceeds. | needed to prepare a team. Demonstrate an understanding of the importance of health and safety, and fair play, for training and in competition. |
|----------------------------|---------|------|----|---|----|---|--|
| Basic Injury Prevention | BIPSCA1 | 100% | 0% | 5 | 10 | Injury prevention is an important part of effective coaching and is designed to prevent or reduce injuries, however caused. Injury prevention is core to the improvement of performance and the overall enjoyment of sport. The purpose of this module is to provide students with a basic understanding of sport injuries. The module also provides students with the core skills needed to ensure basic injury prevention. | Demonstrate a basic understanding of the common muscular skeletal injuries, their causes, and their prevention. Demonstrate the ability to prepare athletes for the various environmental and climatic conditions that impact performance. Demonstrate the ability to provide support to athletes so prevent injury. |

| spor adm and lden issue Addi com issue stak such spor adm and are of discording to the comproble | dress common numunication ues with seholders has parents, insors, sport ninistrators the media clearly cussed. The major numunication blems numon to the ching fession are |
|--|---|
| coad profe accu iden | ching |
| the Four Of this module under is to introduce the I students to the parti | monstrate an lerstanding of long-term ticipant elopment |

| | | | | | | athlete development within the four domains: children, participation, talent identification, and high performance. The module provides a sound basis for performance in a variety of coaching settings. | (LTPD) framework. Demonstrate an in- depth knowledge of the four domains of coaching within the LTPD framework. Identify and apply relevant and appropriate coaching and sporting activities in each of the domains. |
|-------------------|---------|------|----|---|---|---|--|
| First Aid Level 1 | FALSAB1 | 100% | 0% | 5 | 5 | Students will be required to complete an accredited Level 1 First Aid course. The Certificate of Completion is to be submitted prior to the completion of the programme. | The successful student will be able to identify, describe and appropriately manage the following: Generic principles of first aid Common infectious diseases Generic actions in an emergency situation Trauma, injuries and multiple casualty incidents Patient assessment and history taking Asphyxia Drowning and near-drowning Shock Unconsciousness Brain disorders Cardiac disorders |

| | | | | | | | Burns |
|---|---------|------|----|---|----|---|--|
| | | | | | | | Poisoning, bites and stings |
| | | | | | | | Environmental conditions |
| | | | | | | | Pregnancy and emergency childbirth |
| Facility, Competition and Event Management | FCESAY1 | 100% | 0% | 5 | 10 | The purpose of the module is to introduce the student to the principles of facility and event management in sport. Effective events and facility management requires organisational abilities, multitasking, communication skills, creativity, problemsolving, attention to detail, the ability to work to deadline and negotiation and marketing skills. Students will be introduced to the various requirements in each of the areas. | Explain accurately the key requirement for effective events and facility management; Demonstrate an understanding of the organisational activities and requirements for a successful event; Demonstrate an understanding of the skills needed to manage a sport facility or event. Develop an appropriate logistics event plan. |
| Introduction to Sport Law | ISLSAB1 | 100% | 0% | 5 | 10 | The purpose of the module is to provide the students with a foundational understanding | Demonstrate an understanding of the basic legal principles of the legal aspects of sport as taught |
| | | | 1 | | l | 19 | |

| | | | | | | of the law as it applies to sport. The module canvasses the legal implications of a variety of aspects of the coaching context. | Demonstrate the ability to identify and explain the key legal aspects of the duty of care Demonstrate the ability to identify and explain the risk factors in a coaching and sport context. |
|---------------------------------|---------|------|----|---|----|--|---|
| People with Disability in Sport | PDSSAB1 | 100% | 0% | 5 | 10 | The purpose of the module is to provide students with the basic principles of coaching athletes with disabilities. The module also introduces students to the sport code and event classification of athletes. | Demonstrate the ability to distinguish correctly between the different types of physical and intellectual disability and the classification thereof within a variety of sports codes. Identify correctly the key role players for disability sport at national and international level. The distinction between physical and intellectual disability is accurately identified and described. The various classifications required for athlete participation in sport are correctly differentiated and applied. National and international |

| | | | | | | | disability structures and organisations in sport are correctly identified and differentiated. |
|------------------------------|---------|------|----|---|---|---|--|
| Sport Club Administration | SCASCA1 | 100% | 0% | 5 | 5 | The purpose of the module is to introduce students to the various areas of administration of a sport club. These include distinguishing between management and administration, identify stakeholders of a local sport club, develop a process to start a community sport club, plan and develop a basic sport club constitution, develop a committee structure for a local sport club, debate the role of meetings as well as that of the members of meetings, plan the administration of equipment in a sport club as well as developing a risk plan for a | Debate the difference between management and administration within the context of a sport/recreation club. Identify and describe the different stakeholders and their roles in a community sport or recreation club. Explain the different steps and argue each to start a sport club. Describe the role and purpose of a sport club constitution. Compile a constitution for a sport club. Explain the different positions and their roles on a sport club committee. Describe the requirements and format of an agenda of a meeting and accompanied minutes. |

| | | | | | | local sport club. | Distinguish between the different types of sport equipment and administration thereof in a club. Discuss and apply the principles of the development of a risk plan for a sport club. |
|--|---------|------|----|---|----|---|--|
| Sport Leadership and Ethics | SLESCB1 | 100% | 0% | 5 | 10 | The purpose of the module is to demonstrate to students the leadership skills and strategies required for coaching within an ethical framework. The module introduces students to a variety of leadership styles and approaches, with a view to developing an effective and proficient coach. | Demonstrate the ability to distinguish between and select from different types of leadership styles, indicating which is more effective and why. Demonstrate an understanding of the need for a personal coaching vision and the importance of a code of conduct. Demonstrate an understanding of the importance of the ethical framework within which a coach must operate. |
| Self- Management and Personal Skills Development | SMDSAA1 | 100% | 0% | 5 | 5 | The purpose of the module is to develop the inter- and intra- personal skills needed for coaching within the four domains. The module provides for the development | Demonstrate the skills needed to manage his or her time effectively; Demonstrate the techniques needed to manage communication effectively. |

| | | | | | | of a self- reflective approach to coaching and to coach as educator. | Demonstrate an appreciation of the need for a personal coaching philosophy. Develop an appropriate coaching philosophy, and the components thereof. |
|--------------------------------------|---------|------|----|---|----|---|--|
| Work Integrated Learning (WIL) | WILSCY1 | 100% | 0% | 5 | 10 | The purpose of the Work integrated learning module is to ensure that the students are provided with exposure to a sports coaching environment through participation in the work and activities of a sporting club or equivalent sporting environment. | Experienced the various aspects of a Sport Coaching working environment Shadowed a sport coach during training times and will reflect on observations made during this time; Practiced basic coaching techniques alongside and under the supervision of an experienced coach. Assisting in a sport coaching environment is competently effected and demonstrated. The different areas of the sport coaching working environment are accurately identified and distinguished A log book demonstrating the hours |

| | | shadowing a pre- approved sport- specific coach is accurately and |
|--|--|--|
| | | correctly completed. |

DIPLOMA IN SPORT MANAGEMENT (D9S01Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|------------------------------|-------------|--------------|--------------|-------|---------|--|--|
| Business Management 1A | BMA01A 1 | 50% | 50% | 5 | 12 | The purpose of this module is to introduce students to the main themes and concepts of Business Management, the business environment and its interactive subenvironments. Furthermore, students will be provided with a global overview of general management function and prepare them for challenges in the South African business environment. This module is designed to provide the student with intellectual competencies, practical skills and an understanding of management based on historical and modern approaches as well as the management tasks, namely planning, organising, | Students should be able to: explain the role of business in society, considering the needs and resources of the community, the main economic systems. identify and explain the internal and external business environment and the interaction between an organisation and its environment. introduce and elaborate corporate citizenship. identify and describe management activities. explain introductory entrepreneurship and the different types of entrepreneurs; and identify and explain the four primary management tasks |

| | | | | | | leading and control. | |
|------------------------------|-------------|-----|-----|---|----|--|---|
| Business Management 1B | BMA01B 1 | 50% | 50% | 5 | 12 | The purpose of this module is to develop the students' fundamental theoretical and academic knowledge to provide them with an overview of management functions and prepare them for challenges in the South African business environment. This module will also develop the student with fundamental academic knowledge, intellectual competencies, and practical skills on how to apply the functional areas of a business. | Students should be able to: Discuss and explain five different management functions: Finance; Human Resource Management; Information; Marketing; External Communication and Public Relations; and Operations and Supply Chain. |
| Business Management 2A | BMA02A 2 | 50% | 50% | 6 | 16 | The purpose of the module is to promote an understanding of two tasks, planning and organising, within the interpretation and application of a systems approach. | Students should be able to discuss in detail: planning within the context of an organisation; implementation of planning within an organisation. organising within the context of an organisation. coordination within an organisation; and an organisational structure. |
| Business Management 2B | BMA02B 2 | 50% | 50% | 6 | 16 | The purpose of the module is to promote an understanding of the two management | Students should be able to discuss in detail: different approaches in leadership; |

| | | | | | | tasks, leading and control, in an organisation through the interpretation and application of a systems approach. | motivation; the approaches to communicating; the difference between business operations and quality management; and the performance measures, control and risk. |
|------------------------------|-------------|-----|-----|---|----|--|--|
| Business Management 3A | BMA03A 3 | 50% | 50% | 6 | 16 | The purpose of this module is to introduce students to the main themes and concepts of strategic management and its functions within the corporate context. Students will be provided with intellectual competencies, practical skills and an understanding of the comprehensive strategic management processes, which will equip them to manage under VRIN (Valuable, Rare, Inimitable and Non-Substitutable) conditions in a global environment. | Students should be able to: appraise the term 'strategic management', its origin, what it encompasses and what its function is within the corporate context in a commercial or noncommercial setting. identify and compare the different types of philosophies concerning strategic management and motivate the main guidelines or considerations dictating its deployment; by using authoritative sources, select an appropriate comprehensive corporate strategic management framework or model and explain the essential phases or steps involved in this process; reflect upon VRIN capabilities necessary for changing environments; and explain how the strategy is implemented and evaluated in a business; and describe and reflect upon the macro- |

| | | | | | | | importance of building learning organisations and world class organisations in South Africa. |
|------------------------------|-------------|-----|-----|---|----|---|--|
| Business Management 3B | BMA03B 3 | 50% | 50% | 6 | 16 | The purpose of this module is to provide the student with knowledge, interpretation, and an understanding of risk management in any organisation. This module will further develop an appropriate understanding of global trends in sustainability as well as the possibilities for responding and adapting to operating efficiently within dynamic environments. | able to: reflect upon the principles, concepts and practice of risk and risk management reflect on local and global trends in sustainability development distinguish between the priority areas for sustainability interventions. reflect upon the tenets of managing and leading in the face of complexity (change, stakeholder demands, requirement for operational efficiency, with limited resources); and demonstrate an ability to show flexibility, openness and a willingness to respond according to the situation. |
| End-User Computing A | EUC01A | 50% | 50% | 5 | 16 | The purpose of this module is to introduce the students to basic information technology (IT) terms, skills and the basic components of a computer. The students will be able to manipulate files and use word processing application to | Students should be able to: explain concepts and terms associated with information technology (IT); demonstrate the ability in using common functions of a pc and its operating system; demonstrate the ability to use a word processing application on a computer; and |

| | | | | | | solve business problems and to use presentation software. | demonstrate the ability to use a presentation application on a computer. |
|-------------------------|-------------|-----|-----|---|----|---|--|
| End-User Computing B | EUC01B 1 | 50% | 50% | 5 | 16 | The purpose of this module is to use spreadsheet applications and database application software to solve business problems. The students will also be able to search the internet and utilise e-mail. | Students should be able to: explain concepts and terms associated with using the internet. demonstrate the ability to use e-mail software on a computer; demonstrate the ability to use a spreadsheet application on a computer; and demonstrate the ability to use a database on a computer. |
| English 1A | PME1AA 1 | 50% | 50% | 6 | 16 | To introduce students to the field of English literary studies, to the distinguishing characteristics and techniques associated with fiction, and to the fundamental critical thinking and essay writing skills required in literary analysis. | Upon completion of this module students should be able to: recognise a limited range of narrative techniques common in fiction; demonstrate basic skills in essay planning and writing; present the main ideas of a critical analysis, by means of close reading of passages from narrative texts. |
| English 1B | PME1BB 1 | 50% | 50% | 6 | 16 | To introduce students to the field of English literary studies, to the distinguishing characteristics and techniques associated with poetry and drama, and to the fundamental critical thinking and essay writing skills required in literary analysis. | Upon completion of this module students should be able to: recognise a limited range of dramatic techniques common in modern and Shakespearean plays; recognise a limited range of poetic techniques common to poetry. demonstrate basic skills in essay planning and writing. |

| | | | | | | | present the main ideas of a critical |
|--------------|-------------|-----|-----|---|----|---|--|
| Marketing 1A | MAR01A 1 | 50% | 50% | 5 | 16 | The purpose of this module is to introduce the student to the basic principles of marketing, mainly in a consumer product context. On a practical level, the student will have attained the necessary experience to identify environmental trends, understand basic consumer behaviour and market segmentation. | Students should be able to: understand the fundamental marketing concepts and philosophy, explain the interface between marketing management and the environment, identify customer needs and wants and determine which target markets the organisation can serve best, understand the decision-making process that consumers go through as they make a purchase, understand the role of segmentation, targeting and positioning in marketing, and recognise the importance of information to an organisation. |
| Marketing 1B | MAR01B 1 | 50% | 50% | 5 | 16 | The purpose of this module is to introduce the student to the basic principles of marketing, mainly in a consumer product context. On a practical level, the student will be familiar with the product, pricing, distribution and promotion elements of the marketing mix. | Students should be able to: define and classify products, understand the nature and benefits of branding, identify the functional and psychological roles of packaging, understand the role of product in the marketing mix, explain the role and types of distribution channels, |

| | | | | | | | understand the concept of pricing in marketing, understand the importance and role of a planned, integrated communication strategy in a marketing context, and explain how the marketing mix is integrated in the overall marketing philosophy. |
|--------------|-------------|-----|-----|---|----|--|--|
| Marketing 2A | MAR02A 2 | 50% | 50% | 6 | 16 | The purpose of this module is to equip the student with the necessary knowledge to distinguish between the additional aspects of services and relationship marketing in service businesses. On a practical level, the student will be familiar with the people, process and physical evidence elements of the marketing mix as well as techniques to build relationships with employees and customers. | Students should be able to: describe the principles of consumer behaviour in a service environment. understand the role of people, process and physical evidence in the services marketing mix. understand and apply the principles of relationship marketing; and design services marketing mix. |
| Marketing 2C | MAR02C 2 | 50% | 50% | 6 | 16 | The purpose of this module is to acquire knowledge, practical skills and competencies for applying the principles and concepts of marketing within a sport and recreational setting; to sport products, sport consumers and sport entities. On a | Students should be able to: identify and describe the unique characteristics of sport marketing; describe the difficulties of the exchange process in sport marketing; develop a basic operational marketing |

| | | | | | | practical level these will be applied to sport consumer behaviour, marketing communication and sponsorships, as well as carry out a basic research survey in a sport environment. | plan for a small sport enterprise; show the application of marketing instruments in a sport setting; and identify and apply the principles of marketing research. |
|---|-------------|------|-----|---|----|---|--|
| Public Relations 1A | PRL1AA 1 | 50% | 50% | 5 | 16 | To introduce the student to the principles and practice of Public Relations. | Upon completion of this module students should be able to: understand the concepts in the broader field of Communication Management; explain how Public Relations has evolved as a result of shifts in Public Relations approaches; understand the current approaches and their challenges. |
| Public Relations 1B | PRL1BB | 50% | 50% | 5 | 16 | To provide the student with an understanding of the environmental contexts in which Public Relations is practised. | Upon completion of this module students should be able to: understand systems thinking within the context of Public Relations practice; understand the impact of the different environmental contexts on the practice of Public Relations; identify the impact of trends on professional Public Relations practice. |
| Sport and Physical Recreation Studies 3A | SPR3AA 3 | 100% | 0% | 7 | 16 | Didactical aspects of sport and Growth and Maturation is presented in this module. | During this module students will be introduced to clients, their needs and development and how it influences their leisure preferences. |

| | | | | | | | However, unique groups of people in our community and their specific requirements will be focuses on in the second semester module, Sport and Physical Recreation 3B. |
|---|-------------|------|----|---|----|--|---|
| Sport and Physical Recreation Studies 3B | SPR3BB 3 | 100% | 0% | 7 | 16 | An aspect of Sport Psychology and Perceptual motor development is presented in this module. | During this module students will be introduced to the concepts of Sport Psychology and Perceptual motor development and how it related to special populations. |
| Sport Management 1A | STM1AA 1 | 100% | 0% | 5 | 16 | The module focusses on General management in sport. The applied principle of Business Management is presented in this module. This module deals with aspects of sport as a business as well as how sport is administrated. | Be able to apply the knowledge and related general management skills such as planning, organising, leading and control in micro sport environments such as the management of a small sports enterprise such as a team or sports club. |
| Sport Management 1B | STM1BB 1 | 100% | 0% | 5 | 16 | This module deals with Leisure and Recreation management. Aspects of recreation programming and creation of leisure activities are addressed. | The purpose of this module is to introduce students who are pursuing a career in Sport and Recreation to the various concepts of leisure and how the concepts connect with each other and interact. |
| Sport Management 1C | STM11Y 1 | 100% | 0% | 5 | 16 | This is a practical module where first year students experience the rules, coaching | This year module, the first of three-year modules in your qualification, |

| | | | | | | activities and presenting the activities of various sporting codes. | introduces students to six popular sporting codes in South Africa. Aspects such as rules, equipment and history of each sporting code will be focused on to provide students with the necessary basic knowledge which they need when pursuing a career in Sport and Recreation in South Africa |
|---------------------------|-------------|------|----|---|----|--|---|
| Sport Management 2A | STM2AA 2 | 100% | 0% | 6 | 16 | This module addresses Human Resource and people management from a sport perspective | is to equip students with an in-depth grounding in Human Resource knowledge, theory, principles and skills so that they may contribute to the multi- functional, multinational public and business sectors, confidently executing analytical, interpretive, strategic and integrative skills relating to Human Resource |
| Sport Management 2B | STM2BB 2 | 100% | 0% | 6 | 16 | This Module deals with financial management in sport and addresses issues such as budgets, financial planning in sport, and basic accounting with reference to the sport industry. | This module deals with Financial management in sport and addresses issues such as budgets, financial planning in sport, and basic accounting with reference to the sport industry. This module aims to provide students with the intellectual competencies in the acquisition, analysis, interpretation and application of basic accounting concepts, such asbudgeting, financial planning, and financial statement analysis. Learners will |

| | | | | | | | be guided in terms of application as well as assessment of the principles, disciplines and practices of Sport Finance in a holistic context. |
|---------------------------|-------------|------|----|---|----|---|---|
| Sport Management 2C | STM22Y 2 | 100% | 0% | 6 | 16 | Second year students present various aspects of different sporting codes. | This year module, the second of the three in the qualification, assists students in being able to demonstrate and teach six popular sporting codes in South Africa. Based on the knowledge gained in Sport Management 1C, the student will now be able to present these sporting codes to various participants. |
| Sport Management 3A | STM3AA 3 | 100% | 0% | 7 | 16 | Event management is the focus of this module. | The purpose of these modules is to perform general middle management responsibilities in a sport and recreation environment. Learners must be able to apply the management functions in the fields of event management. |
| Sport Management 3B | STM3BB 3 | 100% | 0% | 7 | 16 | Facility management is the focus of this module. | The purpose of these modules is to perform general middle management responsibilities in a sport and recreation environment. Learners must be able to apply the management functions in the fields of facility management. |
| Sport Management 3C | STM33Y 3 | 100% | 0% | 7 | 16 | Third Year students manage the activities of the various sporting | This final year module assists students in being able to manage those sporting codes |

| | | | codes presented. | they have been taught over the course of two |
|--|--|--|------------------|--|
| | | | | years (Sport |
| | | | | Management 1 and 2C). |

BACHELOR OF COMMERCE IN SPORT MANAGEMENT (B9S14Q)

| Φ | | lht | ht | - | its | es S | ent |
|--------------|-------------|--------------|--------------|-------|---------|--|--|
| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Content |
| Accounting A | ACCOAA 1 | 50% | 50% | 5 | 12 | CBE module Purpose The purpose of this module is to cover the basic concepts of accounting, the recording of various elementary transactions and the accounting cycle. This forms the basis for further modules in the analysis, interpretation and application of accounting. The only further module for which Accounting A is an acceptable credit is Accounting B. Accounting B are not modules sufficient to allow entry into any accounting module on a second-year level. | CBE module Outcomes Students should be able to: • discuss and apply the basic concepts in accounting; • discuss and record simple transactions with reference to the accounting equation; • account for information in the general ledger; • journalise simple transactions; • prepare a trial balance and detect and correct trial balance errors; • discuss the accounting cycle; • discuss and apply the different inventory methods to calculate profit; • identify, measure, present, disclose and record the different asset categories in the annual financial statements for basic transactions; • calculate, journalise and disclose depreciation using different methods; • calculate, journalise and disclose the amortisation of intangible assets; • identify, measure, record, present and disclose the disposal |

| of assets; | | | | |
|--|------|-----|----------|---|
| accounts according to the accrual basis; | | | | of assets; |
| accounts according to the accrual basis; | | | | adjust the ledger |
| the accrual basis; | | | | |
| record transactions in the relevant subsidiary journals; apply the basic principles of value-added tax; discuss and record transactions in the receivables and payables control accounts; discuss and apply the reconcilitation of receivables and payables with their respective lists; discuss and apply the reconcilitation of receivables and payables with their respective lists; identify, explain, calculate and record: sales or trade discount; settlement or cash discount; bad debts and allowance for credit losses; present receivables and payables in the statement of financial position; define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; define, calculate and measure net realisable value, fair value and lower of cost; record transactions relevant to inventories; or record transactions relevant to inventories; or present and disclose inventories in the financial statements; discuss and record all cash transactions; and reconcile the balance of the bank account per the general ledger with the balance per with t | | | | |
| in the relevant subsidiary journals; | | | | |
| subsidiary journals; | | | | |
| apply the basic principles of value added lax; discuss and record transactions in the receivables and payables control accounts; discuss and apply the reconcilitation of receivables and payables with their respective lists; identify, explain, calculate and record: sales or trade discount; bad debts and allowance for credit losses; present receivables and payables in the statement of financial position; define inventories; according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; define, calculate and measure net realisable value, fair value and lower of cost; record transactions relevant to inventories; present and disclose inventories; present and disclose inventories; present and disclose inventories; present and disclose inventories; and record all cash transactions relevant to inventories; present and disclose inventories; and record all cash transactions relevant to inventories; present and disclose inventories and record all cash transactions and recording the balance of the bank account per the general ledger with the balance per per per per per per per per per pe | | | | |
| principles of value-added tax; discuss and record transactions in the receivables and payables control accounts; • discuss and apply the reconciliation of receivables and payables with their respective lists; • identify, explain, calculate and record: sales or trade discount; sales or trade discount; sales or trade discount; sales or trade discount; bad debts and allowance for credit losses; • present receivables and payables in the statement of financial position; • define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; edefine, calculate and measure net realisable value fair value and lower of cost; • record transactions relevant to inventories; • present and disclose in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| added tax; discuss and record transactions in the receivables and payables control accounts; discuss and apply the reconciliation of receivables and payables with their respective lists; identify, explain, calculate and record: sales or trade discount; settlement or cash discount; bad debts and allowance for credit losses; present receivables and payables in the statement of financial position; define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; define, calculate and measure net realisable value, fair value and lower of cost; record transactions relevant to inventories; present and disclose inventories; present and disclose inventories in the financial statements; discuss and record all cash transactions relevant to inventories; present and disclose inventories in the financial statements; discuss and record all cash transactions relevant to inventories; record transactions relevant to inventories; | | | | |
| discuss and record transaction in the receivables and payables control accounts; discuss and apply the reconciliation of receivables and payables with their respective lists; discuss and apply the reconciliation of receivables and payables with their respective lists; dentify, explain, calculate and record: sales or trade discount; settlement or cash discount; bad debts and allowance for credit losses; present receivables and payables in the statement of financial position; define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; define, calculate and measure net realisable value, fair value and lower of cost; record transactions; present and disclose inventories in the financial statements; discuss and record all cash transactions; and reconcile the balance of the bank account per the general ledger with the balance per | | | | principles of value- |
| transactions in the receivables and payables control accounts; • discuss and apply the reconciliation of receivables and payables with their respective lists; • identify, explain, calculate and record: sales or trade discount; bad debts and allowance for credit losses; • present receivables and payables in the statement of financial position; • define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories; • present and disclose inventories; • present and disclose inventories in the financial statements; • discuss and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | added tax; |
| receivables and payables control accounts; discuss and apply the reconciliation of receivables and payables with their respective lists; identify, explain, calculate and record: sales or trade discount; settlement or cash discount; bad debts and allowance for credit losses; present receivables and payables in the statement of financial position; define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; of define, calculate and measure the cost of inventories; define, calculate and measure the cost of inventories; record transactions relevant to inventories; record transactions relevant to inventories; resent and disclose inventories; resent and disclose inventories in the financial statements; discuss and record all cash transactions; and reconcile the balance of the bank account per the general ledger with the balance per | | | | discuss and record |
| receivables and payables control accounts; discuss and apply the reconciliation of receivables and payables with their respective lists; identify, explain, calculate and record: sales or trade discount; settlement or cash discount; bad debts and allowance for credit losses; present receivables and payables in the statement of financial position; define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; of define, calculate and measure the cost of inventories; define, calculate and measure the cost of inventories; record transactions relevant to inventories; record transactions relevant to inventories; resent and disclose inventories; resent and disclose inventories in the financial statements; discuss and record all cash transactions; and reconcile the balance of the bank account per the general ledger with the balance per | | | | transactions in the |
| payables control accounts; discuss and apply the reconciliation of receivables and payables with their respective lists; identify, explain, calculate and record: sales or trade discount; bad debts and allowance for credit losses; present receivables and payables in the statement of financial position; define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; define, calculate and measure net realisable value, fair value and lower of cost; record transactions relevant to inventories; present and disclose inventories; present and disclose inventories in the financial statements; discuss and record all cash transactions; and reconcile the balance of the bank account per the general ledger with the balance per with the ba | | | | |
| accounts; | | | | |
| • discuss and apply the reconciliation of receivables and payables with their respective lists; • identify, explain, calculate and record: sales or trade discount; settlement or cash discount; bad debts and allowance for credit losses; • present receivables and payables in the statement of financial position; • define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| reconciliation of receivables and payables with their respective lists; • identify, explain, calculate and record: sales or trade discount; settlement or cash discount; settlement or cash discount; bad debts and allowance for credit losses; • present receivables and payables in the statement of financial position; • define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger | | | | ' ' ' |
| receivables and payables with their respective lists; | | | | |
| payables with their respective lists; | | | | |
| respective lists; identify, explain, calculate and record: sales or trade discount; bad debts and allowance for credit losses; present receivables and payables in the statement of financial position; define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; define, calculate and measure ente realisable value, fair value and lower of cost; record transactions relevant to inventories; present and disclose inventories; in present and disclose inventories in the financial statements; discuss and record all cash transactions; and reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| identify, explain, calculate and record: sales or trade discount; settlement or cash discount; bad debts and allowance for credit losses; present receivables and payables in the statement of financial position; define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; odefine, calculate and measure net realisable value, fair value and lower of cost; record transactions relevant to inventories; o present and disclose inventories in the financial statements; of discuss and record all cash transactions; and record all cash transactions; and record the balance of the bank account per the general ledger with the balance per with the per wi | | | | |
| identify, explain, calculate and record: sales or trade discount; settlement or cash discount; bad debts and allowance for credit losses; present receivables and payables in the statement of financial position; define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; odefine, calculate and measure net realisable value, fair value and lower of cost; record transactions relevant to inventories; o present and disclose inventories in the financial statements; of discuss and record all cash transactions; and record all cash transactions; and record the balance of the bank account per the general ledger with the balance per with the per wi | | | | |
| calculate and record: sales or trade discount; settlement or cash discount; bad debts and allowance for credit losses; • present receivables and payables in the statement of financial position; • define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| sales or trade discount; settlement or cash discount; bad debts and allowance for credit losses; • present receivables and payables in the statement of financial position; • define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| discount; settlement or cash discount; bad debts and allowance for credit losses; • present receivables and payables in the statement of financial position; • define inventories according to IAS 2 Inventories; • name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories; • present and disclose inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| cash discount; bad debts and allowance for credit losses; • present receivables and payables in the statement of financial position; • define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| debts and allowance for credit losses; | | | | |
| for credit losses; • present receivables and payables in the statement of financial position; • define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| present receivables and payables in the statement of financial position; define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; define, calculate and measure net realisable value, fair value and lower of cost; record transactions relevant to inventories; present and disclose inventories in the financial statements; discuss and record all cash transactions; and reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| and payables in the statement of financial position; | | | | - |
| statement of financial position; | | | | - |
| position; • define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| • define inventories according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | statement of financial |
| according to IAS 2 Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | position; |
| Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | define inventories |
| Inventories; name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | according to IAS 2 |
| name, discuss and apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | • |
| apply the different methods to measure the cost of inventories; • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | ' |
| methods to measure the cost of inventories; | | | | , |
| the cost of inventories; | | | | 11 7 |
| • define, calculate and measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| measure net realisable value, fair value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | • |
| realisable value, fair value and lower of cost; | | | | |
| value and lower of cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| cost; • record transactions relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| record transactions relevant to inventories; present and disclose inventories in the financial statements; discuss and record all cash transactions; and reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| relevant to inventories; • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | cost; |
| • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | record transactions |
| • present and disclose inventories in the financial statements; • discuss and record all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | relevant to inventories: |
| inventories in the financial statements; | | | | |
| financial statements; | | | | • |
| discuss and record all cash transactions; and reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| all cash transactions; and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| and • reconcile the balance of the bank account per the general ledger with the balance per | | | | |
| • reconcile the balance of the bank account per the general ledger with the balance per | | | | • |
| of the bank account per the general ledger with the balance per | | | | |
| per the general ledger with the balance per | | | | |
| with the balance per | | | | of the bank account |
| with the balance per | | | | per the general ledger |
| | | | | |
| THE BAIN STATEMENT. | | | | |
| | | | | |
| | | 1 1 | <u> </u> | |

| general ledger of a partnership; and • prepare financial statements of a partnership. Company financial statements: • discuss the company as a form of entity briefly; • discuss, calculate and record share transactions of a simple nature; and • prepare the following components of the annual financial statements of a company according to the minimum requirements of the Companies Act (71 of 2008) and International Financial Reporting Standards: statement of financial position; statement of comprehensive income; statement of changes in equity and accounting policies and explanatory | Accounting B | ACCOBB 1 | 50% | 50% | 5 | 12 | CBE module The purpose of this module is to further develop the basic principles of accounting taught in Accounting A with reference to specific scenarios and entities. Accounting A and Accounting B are not modules sufficient to allow entry into any accounting module on a second-year level. | CBE module Students should be able to: Non-trading entities: • prepare a statement of receipts and payments and financial statements in respect of non-trading entities; • account for transactions in the general ledger; and • identify, explain, calculate, record, present and disclose receivables, payables, inventories, cash and property, plant and equipment. Partnerships: • discuss and apply the principles of partnerships; account for information in the |
|--|--------------|-------------|-----|-----|---|----|---|--|
| briefly; • discuss, calculate and record share transactions of a simple nature; and • prepare the following components of the annual financial statements of a company according to the minimum requirements of the Companies Act (71 of 2008) and International Financial Reporting Standards: statement of financial position; statement of comprehensive income; statement of changes in equity and accounting policies | | | | | | | | statements of a partnership. Company financial statements: • discuss the company |
| company according to the minimum requirements of the Companies Act (71 of 2008) and International Financial Reporting Standards: statement of financial position; statement of comprehensive income; statement of changes in equity and accounting policies | | | | | | | | briefly; • discuss, calculate and record share transactions of a simple nature; and • prepare the following components of the |
| statement of financial position; statement of comprehensive income; statement of changes in equity and accounting policies | | | | | | | | company according to the minimum requirements of the Companies Act (71 of 2008) and |
| | | | | | | | | statement of financial position; statement of comprehensive income; statement of changes in equity and accounting policies |

| | | | | | | | notes. Statement of Cash flow: • a simple statement of cash flow with notes, under the following headings, is prepared in accordance with IAS 7 Statement of Cash Flows: - cash flows from operating activities; - cash flow from investing activities; - cash flow from financing activities; and - net change in cash and cash equivalents. Budgets: • calculate and prepare a cash budget, budgeted statement of comprehensive income, budgeted statement of changes in equity and budgeted statement of financial position; and • prepare cash budgets and budgets and budgets |
|----------------------------|-------------|-----|-----|---|----|---|---|
| Analytical Techniques A | ATEO1A 1 | 50% | 50% | 5 | 15 | Science module A student credited with this module will have developed a basic ability to define terms commonly used in Statistics, to show how a set of data can be organised in a meaningful way and presented to reveal or enhance its fundamental properties. The student will also be able to measure and model the linear relationship between two variables. A | able to: • demonstrate the ability to use statistical terminology in the appropriate way and distinguish between different measurement scales; |

| | | | | | | student credited with this module will have developed a basic ability to analyse a time series, understand and implement the basic concepts of probability, probability distributions, sampling distributions and elementary matrix operations. | basic concepts of sampling distributions and statistical inference; • show how to analyse a time series and forecast values for future time periods; and • determine and use least squares regression lines and the coefficients of correlation. |
|----------------------------|-------------|------|-----|---|----|--|--|
| Analytical Techniques B | ATE01B 1 | 50% | 50% | 5 | 15 | Science module To develop a basic understanding of inferential statistics and the ability to apply the methodology to a variety of business oriented problems. This module is also intended to equip students with mathematical skills involving the differential and integral calculus and the optimisation of functions subject to constraints and to apply these to understand modern theories about the functioning of the economy | of the differential and integral calculus to business applications; and • find the maximum or minimum of a multivariable function subject to linear constraints on the |
| Anatomy & Physiology 1A | ANP01A 1 | 100% | 0% | 5 | 8 | The purpose of this module is for the learner to develop intellectual competencies and practical skills in the analysis, interpretation and application of the neuromuscular | Describe in detail the structural and functional divisions of the nervous system. Define the neuron; name the important structural components as well as their functional role. Describe the |

| | |
|-------------|-------------------------------------|
| | and importance of the |
| | cardiorespiratory myelin sheath and |
| | systems in the classify the |
| | |
| | field of Anatomy neurons according |
| | and Physiology. to structure and |
| | function. |
| | Understand the |
| | role of the |
| | membrane ion |
| | |
| | channels. Describe |
| | the resting |
| | membrane |
| | potential and define |
| | depolarization, |
| | hyperpolarization |
| | |
| | |
| | potential. Describe |
| | the initiation of an |
| | action potential as |
| | well as the |
| | threshold value and |
| | "all-or-none" law. |
| | |
| | Namethe main |
| | regions of the brain |
| | and their functions, |
| | the subdivisions of |
| | the brain stem, |
| | protective layers of |
| | the brain and the |
| | |
| | anatomical |
| | structure of the |
| | spinal cord. |
| | Define the |
| | peripheral nervous |
| | |
| | system and its |
| | components. |
| | Classify the |
| | sensory receptors |
| | according to its |
| | structure, |
| | registered stimulus |
| | |
| | and where they are |
| | located in the body. |
| | Describe the roles |
| | of the |
| | parasympathetic |
| | and sympathetic |
| | divisions. |
| | |
| | • Discuss the |
| | microscopic |
| | anatomy of skeletal |
| | muscle, the motor |
| | unit and the sliding |
| | filament theory. |
| | |
| | Discuss the stretch |
| | reflex, and force, |
| | velocity and |
| | |

| Anatomy & | ANP01B | 100% | 0% | 5 | 8 | The number of | • | duration of skeletal muscle contraction. Describe in detail the structural and functional units of the cardiovascular system. Describe the events of cardiac muscle cell contraction, and the physiological systems at work in the heart. Describe the structural components of blood vessels and explain the various physiological aspects of blood vessel function and circulation. Describe the structural and functional units of the respiratory system. Describe the physiological mechanisms involved in breathing and gaseous exchange in the body; and explain the transport of oxygen and carbon dioxide by blood. |
|-------------------------|--------|------|----|---|---|---|---|--|
| Anatomy & Physiology 1A | 1 1 | 100% | U% | 5 | Ŏ | The purpose of this module is for the learner to develop intellectual competencies and practical skills in the analysis, interpretation and application of the renal and endocrine systems, hematology, buffer systems and digestion in the | • | Describe the gross anatomy of the kidneys and its coverings, trace the blood supply through the kidney and describe the anatomy of a nephron. Describe the mechanisms of urine formation. Briefly describe the physiology of the ureters, bladder, urethrae as well as micturition. |

| Business Management | BMA11A | 50% | 50% | 5 | 12 | CBE module The purpose of | Understand the roles of various electrolytes on maintaining the acid-base environment in the kidneys. Chemically classify hormones, describe two major mechanisms by which hormones bring about their effects on their target tissues, and explain how hormone release is regulated. Name the major endocrine organs, the hormones they secrete and name their physiological effects. Relate the composition and functions of blood. Describe the process of haemostasis. Describe the blood group types. Give an overview of the digestive system. |
|------------------------|--------|-----|-----|---|----|--|---|
| 1A | | | | | | this module is to introduce students to the main themes and concepts of Business Management, the business environment and its interactive sub-environments. Furthermore, | able to: explain the role of business in society, considering the needs and resources of the community, the main economic systems; identify and explain the internal and external business environment and the interaction between an organisation and its |

| | | | | | | students will be provided with a global overview of general management as a management function and prepare them for challenges in the South African business environment. This module is designed to provide the student with intellectual competencies, practical skills and an understanding of management based on historical and modern approaches as well as the management tasks, namely planning, organising, leading and control. | environment; • introduce and elaborate corporate citizenship; • identify and describe management activities; • explain introductory entrepreneurship and the different types of entrepreneur; and • identify and explain the four primary management tasks. |
|------------------------------|--------|-----|-----|---|----|--|---|
| Business Management 1B | BMA21B | 50% | 50% | 5 | 12 | CBE module The purpose of this module is to develop the students' fundamental theoretical and academic knowledge to provide them with an overview of management functions and prepare them for challenges in the South African business environment. This module will also develop the student with fundamental academic knowledge, intellectual | CBE module Students should be able to: • Discuss and explain five different management functions: o Finance; o Human Resource Management; o Information; o Marketing; External Communication and Public Relations; and o Operations and Supply Chain. |

| | | | | | | competencies, and practical skills on how to apply the functional areas of a business. | |
|------------------------------|-------------|-----|-----|---|----|---|---|
| Business Management 2A | BMG02A 2 | 50% | 50% | 6 | 16 | CBE module The purpose of the module is to promote an understanding of two tasks, planning and organising, within the interpretation and application of a systems approach. | Students should be able to discuss in detail: • planning within the context of an organisation; • implementation of planning within an organisation; • organising within the context of an organisation; • coordination within an organisation; • coordination within an organisation; and • an organisational structure. |
| Business Management 2B | BMG02B 2 | 50% | 50% | 6 | 16 | CBE module The purpose of the module is to promote an understanding of the two management tasks, leading and control, in an organisation through the interpretation and application of a systems approach. | CBE module Students should be able to discuss in detail: • different approaches in leadership; • motivation; • the approaches to communicating; • the difference between business operations and quality management; and • the performance measures, control and risk. |
| Business Management 3A | BMA13A 3 | 50% | 50% | 7 | 16 | CBE module The purpose of this module is to introduce students to the main themes and concepts of strategic management and its functions within the corporate context. Students will be provided with intellectual competencies, practical skills and an understanding of | CBE module Students should be able to: • appraise the term 'strategic management', its origin, what it encompasses and what its function is within the corporate context in a commercial or noncommercial setting; • identify and compare the different types of philosophies concerning strategic management and motivate the main |

| | | | | | strategic management processes, which will equip them to manage under VRIN (Valuable, Rare, Inimitable and Non- Substitutable) conditions in a global environment. | dictating its deployment; by using authoritative sources, select an appropriate comprehensive corporate strategic management framework or model and explain the essential phases or steps involved in this process; • reflect upon VRIN capabilities necessary for changing environments; and • explain how the strategy is implemented and evaluated in a business; and describe and reflect upon the macro-importance of building learning organisations and world class organisations in South Africa. |
|-------------|-----|-----|---|----|--|---|
| BMG03B 3 | 50% | 50% | 7 | 16 | CBE module The purpose of this module is to provide the student with knowledge, interpretation and an understanding of risk management in any organisation. This module will further develop an appropriate understanding of global trends in sustainability as well as the possibilities for responding and adapting to operating efficiently within dynamic environments | sustainability interventions; • reflect upon the |

| Didactics and Exercise Science 2A DESIZA DEVELOP intellectual competencies and practical skills in the presentation of a typical training session, of basic assessment and sasessment and recompencation of certain dexplanation as well as the enables interpretation and application of certain basic physical activity, games and sport skills. Develop intellectual competencies and practical skills in the presentation, correct demonstration and application of certain basic physical activity, games and sport skills. Develop intellectual competencies and practical skills in the presentation and application of certain basic physical activity, games and sport skills. Develop intellectual competencies and practical skills in the presentation and application of certain basic physical activity, games and sport skills. Develop intellectual competencies and practical skills in the presentation and application of certain basic physical activity, games and sport skills. Develop intellectual competencies and practical skills in the presentation and application of certain basic physical activity, games and sport skills. Desize metalica concepts of the major economic is sues experienced in the South African economy. The module will prepare learners and give them the necessary foundation to understand the necessary foundation to underst | | | | | | | flexibility, openness and a willingness to respond according to the situation. |
|--|--------------|------|-----|---|----|---|---|
| The aim of this module is to introduce the learner to the world of economics and secondly to highlight some of the major economic issues experienced in the South African economy. The module will prepare learners and give them the necessary foundation to understand the more complex framework of the other disciplines within the science of economics. At the end of this module the learner must be able to critically explain and apply all related concepts associated with general economics within a national and global context. Define and explain economics as a social science. Critically explain and apply all related concepts associated with general economics within a national and global context. Define and explain economic problem of scarcity and reflect on scarcity in a South African context. Identify and describe different economic systems and reflect on the price and income mechanisms. Analyse the | Exercise | 100% | 0% | 6 | 16 | this module is to acquire knowledge and practical skills in the didactical competencies related to various phases of planning, preparation, presentation and assessment within the sport, recreation | didactical decisions (provision and structuring of learning experiences and opportunities), curriculum development, implementation of a typical training session, of basic assessment and feedback strategies. Develop intellectual competencies and practical skills in the presentation, correct demonstration and explanation as well as the analysis, interpretation and application of certain basic physical activity, |
| i i i i i i i i i i i i i i i i i i i | Economics 1A | 50% | 50% | 5 | 12 | The aim of this module is to introduce the learner to the world of economics and secondly to highlight some of the major economic issues experienced in the South African economy. The module will prepare learners | At the end of this module the learner must be able to - Critically explain and apply all related concepts associated with general economics within a national and global context Define and explain economics as a social science Critically discuss the economic |

module is to introduce the learner to the world of economics and secondly to highlight some of the major economic issues experienced in the South African The economy. will module prepare learners and give them the necessary foundation to understand the complex more framework of the other disciplines within the science of economics.

module the learner must be able to

- Critically explain and apply all related concepts associated with general economics within a national and global context.
- Define and explain economics as a social science.
- Critically discuss the economic problem of scarcity and reflect on scarcity in a South African context.
- Identify and describe different economic systems and reflect on the price and income mechanisms.
- Analyse the functioning and problems of a market economy and reflect on the price and income mechanisms.
- Discuss and explain the role of the government in the economy and reflect on the role of fiscal policy in the South African economy.
- Discuss and explain the role of the foreign sector in the economy.
- Discuss and explain the role of money and interest rates in the economy.
- Discuss, explain, graphically illustrate and perform calculus on the total expenditure model.
- Discuss , explain,

| | | | | | | | | illustrate and evaluation all issues that pertain to targets, instruments & goals of macroeconomic policy. Discuss, explain and graphically illustrate the AD-AS model. Discuss, explain and graphically illustrate market demand conditions, cost and supply/capacity conditions and the different competitive environments for businesses in a market economy. Discuss the concept of sectoral economics in South Africa. |
|------------------------|-------------|------|----|---|----|---|---|---|
| Exercise Science 2B | EXS02B 2 | 100% | 0% | 6 | 16 | Students will be able to analyse, discuss and reflect, the role of fitness parameters in sports | • | Learners should develop intellectual competencies and practical skills in the analysis, interpretation and application of exercise science principles in the fitness and health-, coaching and teaching sectors of the sport industry. Reflect on response patterns of respiratory variables during various exercise modes Identify variations in resting volumes, exercise responses and training adaptations among children, |

| | | 100% | 0% | 7 | 16 | Students should | adults and the elderly concerning the respiratory variables. Reflect on response patterns of the mayor cardiovascular variables during various exercise modes Identify variations in resting volumes, exercise responses and training adaptations among children, adults and the elderly concerning the cardiovascular variables. After completion of this module, the student will be able to periodize a training programme, design different training programme, design different training programmes by applying the training principles for muscle strength and endurance, cardiovascular endurance speed and power. Learners should be |
|---|--------|-------|------|---|----|---|--|
| Facility, Event and Human Resource Management in Sport 3D | FEH03D | 100 % | 0 70 | | 10 | develop intellectual capabilities and practical skills in the field of Facility and Event Management as well as Human Resource Management in Sport. | Learners should be able to identify, describe and debate the roles of the different systems of a sport facility; Explain the components and purpose of operations management of a sport facility; Argue the justification of safety and security management at a sport facility and event; Be able to develop a crowd management plan for a sport event; Plan, execute and assess a sport event; Implement a risk management plan for |

| | IDOMANA | 500/ | | ı | | | an event; and develop a equipment and facility maintenance plan. Learners should be able to discuss and debate volunteers and volunteerism as a human resource asset of the sport industry; Distinguish between volunteerism and professionalism in sport; Discuss the application of the South African labour law and other laws in the management of human resources in sport; Apply the different leadership theories in the sport industry; Are able to manage stress and time in a sport organisational context. |
|-----------------------------|---------|------|-----|---|----|--|--|
| Industrial Psychology 1A | IPS11A1 | 50% | 50% | 5 | 16 | CBE module The purpose of this module is to provide students with an introduction to the field of Industrial Psychology. It provides a basic knowledge and understanding of industrial psychology concepts as related to the biological basis of behaviour, research methodology, human development, learning, perception, cognition, motivation, attitude and values, personality, attraction and affiliation, group behaviour, and | CBE module Students should be able to: • define, describe and explain industrial psychology; • identify and discuss the different schools of psychology; • describe and discuss the developments of industrial psychology; • identify and describe the steps in the research process, considering possible errors, ethical principles and social issues; • identify and discuss the biological basis for behaviour and illustrate the application of such knowledge to job design; • define and explain all necessary aspects of human development, learning, perception, cognition, motivation, |

| | | | | | | social processes for development. Students need to identify, describe and distinguish concepts and theories applicable to the scientific field of Industrial Psychology, acquiring a basic understanding of the nature of problems experienced in organisations. | attitudes and values and its relevance and application in the workplace; • define and explain the relevance of interpersonal attraction and affiliation and group behaviour in the workplace; • define and discuss personality and the different methods of personality assessment considering its relevance and importance in the work environment; and • describe, discuss and explain the social processes in an organisation and how their various components interact. |
|----------------------------|---------|-----|-----|---|----|--|---|
| ndustrial Psychology 1B | IPS21B1 | 50% | 50% | 5 | 16 | CBE module The purpose of this module is firstly to provide students with an introduction to the field of Industrial Psychology. It provides a basic knowledge and understanding of the multidimensional nature of ergonomics, as well as the different applicable fields that contribute to the knowledge base of ergonomics. Students need to identify, describe and apply theoretical knowledge and concepts related to ergonomics in order to establish an effective, safe and healthy | Students should be able to: • define ergonomics; • describe the historical development of ergonomics as well as the focus and objectives of ergonomics; • discuss the role of the ergonomist, apply the advantages of ergonomics and apply ergonomics to specific user populations; • know the basics regarding human abilities and limitations that can influence human reliability in systems operation; • define and explain consumer psychology; • describe the establishment of consumer psychology as a sub-discipline of industrial psychology and indicate its strategic applications; • describe the intra- |

| Industrial | IPS12A2 | 50% | 50% | 6 | 16 | human-machine interface. Secondly, the purpose of this module is to provide students with basic knowledge and understanding of the scientific literature regarding consumer psychology. Students need to identify, describe and contextualise theoretical knowledge and concepts related to consumer psychology in order to understand its basic nature and practical implications. The abovementioned allows for the basic awareness and understanding of the contributions of Industrial Psychology in the establishment of effective humanmachine system interactions as well as consumer behaviour within the broader society. CBE module | psychic domain of consumer behaviour and to explain how marketers go about influencing consumers' behaviour in order to stimulate buying behaviour; • describe the mechanism of the consumer decision-making process; • describe the organismic processes of consumption; and • contextualise the contemporary consumer. |
|---------------|---------|------|------|---|----|--|---|
| Psychology 2A | IFSIZAZ | 3070 | 3070 | 5 | 10 | The purpose of this module is to provide students with an introduction to study the field of Organisation Behaviour. Students are equipped with the intellectual competencies for acquiring and understanding | Students should be able to: • describe and explain organisation psychology; • differentiate between various frames of reference applicable to studying behaviour in organisations; • demonstrate |

| | | | | | | knowledge about | individual group/team |
|-----------------------------|---------|------|------|---|----|---|---|
| | | | | | | knowledge about behaviour on an individual, group and organisational level. Students need to identify, describe, distinguish, apply and analyse concepts and theories related to the scientific field of organisational psychology, allowing a thorough understanding of the nature of problems experienced within organisations and options for addressing these problems. | individual, group/team and organisational level; • examine the importance of organisational learning and renewal; • analyse, examine and discuss the importance of leadership, strategy and organisational culture as the primary transformational variables in the organisational context; • analyse and discuss the importance of organisational culture and dynamics of culture in high-performing organisations; • examine and discuss theoretical foundations of organisational change and development; • critically assess emerging trends in organising human activity and behaviour in view of available organisational theory and design perspectives; and • analyse, examine and discuss the importance of power, conflict, communication and decision-making within group structures and critically analyse their effects on the |
| Industrial | IDCOORO | 500/ | 500/ | 6 | 16 | CBE modulo | organisation. |
| Industrial Psychology 2B | IPS22B2 | 50% | 50% | 6 | 16 | CBE module The purpose of this module is to introduce students to research methods and psychological assessment in Industrial Psychology. | CBE module Students should be able to: • describe and explain the role of research in the profession and science of Industrial Psychology; • discuss and evaluate different strategies of research; |
| 859 | | | | | | RULES AND R | EGULATIONS 2024 |

| | | | | | | | understand the steps to follow when undertaking research in behavioural sciences, and Industrial Psychology, in particular; • explain and understand psychological assessment and the purpose thereof, within the multicultural South African context; • describe and understand different types of assessment; • describe and understand the particular current issues in psychological assessment; and • describe and understand the process of psychological assessment. |
|-----------------------------|---------|-----|-----|---|----|---|--|
| Industrial Psychology 3A | IPS13A3 | 50% | 50% | 7 | 16 | CBE module The purpose of this module is to provide students with the ability to understand and describe the field of Personnel Psychology. Core aspects of the module include research methods in Personnel Psychology, the changing nature of work, standards of effective personnel decision-making, psychological assessments in recruitment and selection, and aspects of fairness in the South African labour and | CBE module Students should be able to: • outline the academic field of personnel psychology; • develop a clear understanding of all the related research methods that are employed in the field of personnel psychology; • examine all the key constructs, theories and strategies from the academic field of personnel psychology; • analyse the applicability of theory to hypothetical questions within the applied field of study; • draw conclusions and use these to formulate appropriate solutions and actions to address the theory-related issues raised |

| | | legislative | in the group |
|---|-----|---------------------|--|
| | | context. | discussions, practical |
| | | The next part will | exercises and case |
| | | provide students | studies; |
| | | with the ability to | • develop an |
| | | understand and | appreciation of the |
| | | describe the field | complexities related to |
| | | of Career | the making of sound |
| | | Psychology. | personnel decisions, |
| | | Academic | specifically within the |
| | | content related to | South African labour |
| | | individual career- | context; |
| | | planning | develop a number of |
| | | processes, life | cross-field learning |
| | | and career | objectives; |
| | | phases, | conceptualise the |
| | | contemporary | academic field of |
| | | career issues, the | career psychology; |
| | | integration of | comprehend all the |
| | | career | key constructs, |
| | | management | theories and |
| | | principles with | strategies from the |
| | | Human Resource | academic field of |
| | | (HR) systems, | study; |
| | | and industrial | make inferences |
| | | mental health is | concerning the |
| | | covered. | applicability of theory |
| | | | to hypothetical |
| | | | questions within the |
| | | | applied field of study; |
| | | | draw conclusions |
| | | | and use these to |
| | | | formulate appropriate |
| | | | solutions and actions |
| | | | to address the theory- |
| | | | related issues raised |
| | | | in the group |
| | | | discussions practical |
| | | | exercises and case |
| | | | studies; |
| | | | • develop an |
| | | | appreciation of the |
| | | | complexities related to |
| | | | making sound career |
| | | | decisions, specifically |
| | | | within the South |
| | | | African labour context; |
| | | | • develop and |
| | | | understand the links |
| | | | between career |
| | | | psychology and HR |
| | | | career management; |
| | | | • develop and |
| | | | understand the |
| | | | complexities of |
| | | | contemporary career |
| | | | issues; |
| | | | • formulate an |
| I | 1 1 | I | |

| | Incorp | | | | 10 | | overview the field of industrial mental health and its practical applications; and • develop a number of cross-field learning objectives. |
|--------------------------|---------|-----|-----|---|----|---|---|
| Industrial Psychology 3B | IPS23B3 | 50% | 50% | 7 | 16 | CBE module The purpose of this module is to provide students with the intellectual competencies required to identify, examine and apply ethical principles which will enable them to comprehend their professional ethical obligation as it applies to the field of Industrial Psychology. This module will also provide students with applied competencies in Industrial Psychology in order to examine, apply and analyse the relevance of the field within organisations. This module allows for a comprehensive understanding of ethical principles within organisations as well as the practical application of Industrial Psychology. | CBE module Students should be able to: |
| 862 | | | | | | BUILED AND B | EGULATIONS 2024 |

| | | | | | | | and |
|----------------|---------|------|----|---|---|---|--|
| | | | | | | | • develop a number of cross-field learning |
| Kinesiology 1A | KIN01A1 | 100% | 0% | 5 | 8 | Students should develop intellectual capabilities and practical skills in the field of skeletal and muscular anatomy, biomechanics, wellness and sport injuries. Learners should be able to identify the different skeletal and muscular structures and analyse simple joint movements. Learners should also be able to apply biomechanical principles in the fields of sport and human movement. Learners should also reflect on the role of the skeletal and muscular system during everyday activities, exercise, and sport. This module also focuses on the principles of good physical, mental, and social well- | <u>-</u> |
| | | | | | | being which includes disease prevention and | terminology and explain the concept of levers. |
| | | | | | | control, and personal fitness. A basic introduction to injury prevention in sport. | calculations. |
| Kinesiology 1B | KIN01B1 | 100% | 0% | 5 | 8 | Learners should develop intellectual | Define wellness related to the dimensions of |

and capabilities practical skills in the field of and wellness iniuries. sport This module focuses on the principles of good physical, mental, and social wellbeina which includes disease prevention and and control, personal fitness. Α basic introduction to injury prevention in sport will also presented. Learners will be taught how to conduct physical measurements during an evaluation of an athlete during the (4th term) as well as how to interpret each result.

- wellness, and identify behaviours contributing to the development of disease
- Identify destructive health behaviours and strategies to achieve optimal health
- Give a brief overview of sport injuries
- Understand the basis of injury prevention and treatment
- Describe the importance of health screening during preparticipation in exercise.
- Be able to identify the indications of various diseases a participant might possess.
- Become familiar with recommendations provided for safe testing
- Describe the contraindications to exercise testing, participant consent and participant instructions before exercise
- Conduct a full anthropometrical
 Assessment of an athlete and be able to develop an athlete profile through evaluation
- Describe the components of a comprehensive health fitness evaluation.
- Become familiar with the basic principles and guidelines for a health-related physical fitness testing.
- Identify the major physical fitness components prominent in athletic performance evaluation.
- Decide on the appropriate test to

| | | | | | | | measure the fitness component. • Become familiar with possible field-testing protocols to assess the fitness components |
|--|-------------|------|----|---|----|---|---|
| Leisure and Sport Tourism Studies 2D | LST02D 2 | 100% | 0% | 6 | 16 | Learners are introduced to leisure programming concepts and the competencies and practical skills necessary to design and present leisure programmes for a variety of target groups. In the second part of the module, the focus will be on tourism and the aspects related specifically to the sport industry. | - Understand the foundations of leisure programming - Conduct leisure programme planning and delivery Understand the phenomenon of tourism from a sport and leisure management perspective. The focus will be on the management of the behaviour of the tourist and satisfying his/her needs to various sport and leisure events and facilities Plan, organize and lead sport and leisure tours. |
| Practical Aspects 2E | PRA02E 2 | 100% | 0% | 6 | 8 | The purpose of this module is the practical implementation of theoretical knowledge of management and social integration at recreational camp. Practical experience through work integrated learning experiences by volunteering for projects. Due to the Covid pandemic this module camp attendance, therefore the students will be required to develop a portfolio by completing a series of tasks as | of these activities and finally evaluating its effect. • Students will include some background information on theory about team building, group forming stages, and various recreation activities and how they are used in sequence to help move groups thought the stages. • Students will be required to create a 5 week plan of virtual activities which will help them bond as a group and help ease the stress of the situation we are in. This group must |

| | | | | | | a group which will include practical components, group work and community engagement, on a virtual platform. | people who work together or who rely on each other to do certain tasks. |
|-------------------------------|-------------|------|----|---|----|--|---|
| Sport Administration 1C | SPA01C 1 | 100% | 0% | 5 | 8 | The purpose of this module is that learners should be able to understand the development of sport in the South African context, and to perform general first level management administrative responsibilities in a sport and recreation environment. Learners should further be able to apply the management functions in the field of sport administration. The module is divided into two sections sport history and sport administration. | Understand the place of sport in society Define sport and be able to analyse the basic requirements of an activity for classification purposes Describe the characteristic of sport Perform a SWAT analysis to provide a holistic view of strengths, weaknesses, opportunities and threats that confront the sporting organisation. Understanding the functioning of the sport environment model. Identify the four fundamentals of organising. |
| Sport Management 2C | SPM02C 2 | 100% | 0% | 6 | 16 | The purpose of this module is for the learner to develop intellectual competencies in the management of sport. | Learners should be able to distinguish between the segments and sectors in the sport industry; Distinguish between management, administration and sport management; Describe the macro, micro and market environments of the sport enterprises; Debate and apply the principles of planning, organising directing/leading and control in the management of sport; and provide an overview of the significance of the |

| | | | | | | | management of sport |
|--------------------------------------|-------------|-------|-----|---|---|--|--|
| Sport Marketing and Finance 3C | SFM03C 3 | 100% | 0% | 7 | 8 | Students should develop intellectual capabilities and practical skills in the Sport Finance and Marketing. | in the current context. Learners should be able to distinguish between the marketing of sport and marketing through sport; Debate the uniqueness of the sport marketing; Apply concepts of consumer behaviour; Argue the relevance of the principles of sport marketing, including market segmentation, target market, promotion and distribution of sport products. |
| Conset Describes | CDD04D | 4000/ | 00/ | | | The acceptance of | Learners should be able to discuss the basic financial concepts within the context of sport; Debate the reason and process of financial compliance; Describe the management of cash flow; Explain the sources of revenue in sport organizations; Reflect on the development of budgets and process of budgeting; Evaluate economic, customer and demand theories relevant to the management of sport; and distinguish between non-profit and public sectors in the management of finances. |
| Sport Practice 1D | SPP01D 1 | 100% | 0% | 5 | 8 | The purpose of this module is to introduce students to the interpretation, analysis and application of the rules and assessment in the sporting codes of Basketball, | Explain the Rules and Regulations of the game. Identify the Equipment used Illustrate dimensions of the playing Field Identify Playing Positions and their roles Conduct a needs analysis of sport |

| | | | | | | Cricket, Soccer, Netball, Hockey and Rugby. | Evaluation of the Sport Movement/biomechan ical analysis Physiological analysis/ Injury analysis Application of training principles |
|---|-------------|------|----|---|----|--|--|
| Sport Psychology and Perceptual Motor Learning 3A | SPP03A 3 | 100% | 0% | 7 | 16 | The purpose of this module is for students to understand the impact of motor development across the life span from infancy through older adulthood. Movement patterns and their developmental sequences, and the underlying mechanisms that are related to changes in these aspects will be studied. The processes of acquiring new skills and movement patterns and the correction of faulty movement patterns will be addressed. Learning will be facilitated with class discussions and examples; this will allow the learner to implement theory in real-life scenarios. | Motor Skill: What Is It? Individual Differences and Motor Abilities Principles of Human Skilled Performance Processing Information and Making Decisions Sensory Contributions to Skilled Performance Movement Production and Motor Programs Principles of Motor Control and Movement Accuracy The content entails an introduction to sport psychology, the mind and sport performance, stress and anxiety in sport, arousal and sport performance, theoretical considerations in the management of stress and anxiety, stress management techniques, visualization, imagery, mental imagery training, concentration training, goal setting and self-confidence, the use of cognition in sport, and the development of a mental training program. |
| Sport Sociology 3B | SPS03B 3 | 100% | 0% | 7 | 16 | The purpose of this module is to understand the application of theories, and socialization and participation in structured sport | Develop an understanding, and the intellectual competencies as well as the application of relevant sociological and philosophical theories, |

| | | 4000/ | | | | programmes. | ideologies and concepts such as the social body, identity and social worlds. • Apply sociology of sport and sport philosophical concepts and theories to the debate of sport in the South African society, such as deviance, aggression and violence in sport; socialisation in(to) sport; youth and sport participation; and an introduction to the following themes: sport and the economy; sport and the media; sport and politics; sport (for) development. • Develop competencies to argue, debate, critically analyse and reflect on social issues and controversies (public debates) in sport and the discourse of sport and the discourse of sport and the discourse of sport and the physical culture in context. |
|-----------------------------------|---------|-------|----|---|---|---|--|
| Work Integrated Learning 3E | WIL03E3 | 100% | 0% | 7 | 8 | Practical Experiential learning of a professional(care er) field. | Practical Experiential learning in a sport organisation. Understand the structure and functioning of sport organisations. Practical implementation of theoretical knowledge attained in various modules in the qualification. |

BACHELOR OF HEALTH SCIENCES IN SPORT AND EXERCISE SCIENCES (B9SE1Q)

| de | Name Code SM Weight | ANPSHY 100% 0% | Physiology 1 1 | | | | | | | | | | | | | | | | | | _ | | | | | | | | | | | | | | | |
|------|---------------------|----------------|--------------------|---------------------|---------------------|---------------------|----------------|------------------|--------------------|----------------------------------|-------------------|-------------------|----------------------|-----------------|---------------------|---------|----------------------|-----|----------------------|--|--|---|--|---|---|---|---|---|--|--|--|---|--|---|---|--|
| | Weight Level | 4- | | | | | | | | | | | | | | | | | | | | | | | | _ | _ | | _ | _ | _ | | | | | |
| | Credits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pose | Purpos | The purpose of | this module is for | elop | intellectual | practical skills in | the analysis, | rpreta | application of the | neuromuscular | and | spirat | systems in the | and Physiology. | Furthermore, to | develop | competencies and | | ctical | practical skills in the analysis, interpretation and | ctical rpreta licatio | practical skills in the analysis, interpretation and application of the neuromuscular | practical skills in the analysis, interpretation and application of the neuromuscular and | tical skills anal pretation of ication of romuscula liorespirates | practical skills in the analysis, interpretation and application of the neuromuscular and cardiorespiratory systems in the field of Anatomy | anal anal anal pretation of Anatc Physiolog | tical skills anal anal anal retation of comuscular anal anal anal anal anal anal anal a | tical skills anal anal pretation of comuscular and liorespirates in of Anato Physiolog | tical skills anal anal pretation of comuscula liorespiratems in of Anato Physiolog | tical skills anal anal pretation of comuscula liorespiratems in of Anato Physiolog | tical skills anal anal pretation of comuscula liorespiratems in of Anatc Physiolog | tical skills anal anal pretation of comuscular and liorespiratems in of Anato Physiolog | tical skills anal anal pretation of comuscular and liorespiratems in of Anato Physiolog | tical skills anal anal pretation of comuscular anal anal anal anal anal anal anal a | tical skills anal anal pretation of comuscular anal liorespiratems in of Anato Physiolog | tical skills anal anal pretation of comuscular anal liorespiratems in of Anato Physiolog |
| come | Outcon | e in detai | structural and | the nervous system. | • Define the neuron | name the important | uctural compon | as well as their | tunctional role. | Describe the | importance of the | myelin sheath and | classify the neurons | and function. | Understand the role | dme | the resting membrane | - (| potential and define | potential and define depolarization, | potential and define depolarization, hyperpolarization and action potential. | potential and define depolarization, hyperpolarization and action potential. | potential and define depolarization, hyperpolarization and action potential. Describe the initiation of an action potential | n a itia | n a stind | ₹ <u>क</u> छ ⇒ | ं त्र है. वृद्धं ७ उ | potential and define depolarization, hyperpolarization and action potential. Describe the initiatio of an action potential as well as the threshold value an "all-or-none" law. Name the mainegions of the brainess | potential and define depolarization, hyperpolarization and action potential. Describe the initiatio of an action potentia as well as the threshold value an "all-or-none" law. Name the main regions of the brain and their functions, the subdivisions of the subdivisions of the subdivisions of the subdivisions of the serious control of the subdivisions of the subdivisions of the serious control of the serious co | potential and define depolarization, hyperpolarization and action potential. Describe the initiatio of an action potentia as well as the threshold value an "all-or-none" law. Name the main regions of the brain and their functions, the subdivisions of the brain stem, protective depolarization, and their functions. | potential and define depolarization, hyperpolarization and action potential. Describe the initiatio of an action potentia as well as the threshold value an "all-or-none" law. Name the mainegions of the brain and their functions, the subdivisions of the brain and the brain stem, protectively avers of the brain and the brain stem. | potential and define depolarization, hyperpolarization and action potential. Describe the initiatio of an action potentia as well as the threshold value an "all-or-none" law. Name the main regions of the brain and their functions, the subdivisions of the brain and the anatomical | ribal and defin arization, arization, arization, arization, arization an potential. ribe the initial action pote well as hold value or-none" law ame the none of the base of the base of the base of the brain sof the brain atomical ture of the specific spe | potential and define depolarization, hyperpolarization and action potential. Describe the initiatio of an action potentia as well as the threshold value an "all-or-none" law. Name the main regions of the brain and their functions, the subdivisions of the brain and the anatomical structure of the spinic cord. | ribal and defin arization, arization, arization, arization, arization, rolarization aribe the initial action pote well as hold value or-none" lave or-none the rans of the baseir functions visions of stem, protects of the brain natomical ture of the spine the periphous system | potential and define depolarization, hyperpolarization and action potential. Describe the initiation of an action potential as well as the threshold value and "all-or-none" law. Name the main regions of the brain and their functions, the subdivisions of the brain and the anatomical structure of the spinal cord. Define the peripheral nervous system and its components. |

| | | | registered stimulus and where they are located in the body. |
|--|--|--|---|
| | | | • Describe the roles of the parasympathetic and sympathetic divisions. |
| | | | • Discuss the microscopic anatomy of skeletal muscle, the motor unit and the sliding filament theory. |
| | | | • Discuss the stretch reflex, and force, velocity and duration of skeletal muscle contraction. |
| | | | Describe in detail the structural and functional units of the cardiovascular system. |
| | | | • Describe the events of cardiac muscle cell contraction, and the physiological systems at work in the heart. |
| | | | • Describe the structural components of blood vessels and explain the various physiological aspects of blood vessel function and circulation. |
| | | | • Describe the structural and functional units of the respiratory system. |
| | | | • Describe the physiological mechanisms involved in breathing and gaseous exchange in the body; and explain the transport of oxygen and carbon dioxido by blood |
| | | | dioxide by blood. |

| | | | | | | | Describe the gross anatomy of the kidneys and its coverings, trace the blood supply through the kidney and describe the anatomy of a nephron. Describe the mechanisms of urine formation. |
|--|-------------|------|----|---|----|---|---|
| Applied Physiology 2A | APHSH2 A | 100% | 0% | 6 | 15 | The purpose of this module is for the learner to develop intellectual competencies and clinical skills in Exercise Physiology and the assessment of health and fitness. | The learner should be able to identify and explain the physiological responses and adaptations to acute and chronic exercise and training in the cardiovascular, pulmonary, metabolic systems. |
| Applied Physiology 2B | APHSH2 B | 100% | 0% | 6 | 15 | The purpose of this module is for the learner to develop intellectual competencies and clinical skills in Exercise Physiology and the assessment of health and fitness. | The learner should be able to identify and explain the physiological responses and adaptations to acute and chronic exercise and training in the neuro-musculoskeletal, endocrine and thermoregulatory systems. |
| Applied Sport and Exercise Psychology 2A | ASPSH2 A | 100% | 0% | 6 | 15 | On completion of this module, students will be able to demonstrate an understanding of the role of sport and exercise psychology in society, explain the basic principles, theories and methodologies of sport and exercise psychology, | Demonstrate an understanding of the role of sport and exercise psychology in society, Explain the basic principles of sport and exercise psychology. Explain and demonstrate understanding of the theories and methodologies of |

| | | | | | | describe how sport psychology can enhance performance, identify techniques to modify exercise behaviour in individual athletes and enhance performance, and Explain the importance of group processes to enhance performance. | sport and exercise psychology. • Describe how sport psychology can enhance performance. • Identify techniques to modify exercise behaviour in individual athletes. At the end of this unit learners should be able to understand and explain the importance of group processes to enhance performance. |
|-----------------------------------|-------------|------|----|---|----|--|--|
| Didactics and Coaching Science 1B | DICSH1 B | 100% | 0% | 5 | 15 | The purpose of this module: Students will have an understanding of the education and training structures for sport in South Africa. Furthermore, is to acquire knowledge and practical skills in the didactical competencies related to the planning, preparation, presentation and assessment within the sport, recreationand rehabilitation context. | Define curriculum, identify the different forms and types of curricula. Identify the 6 steps for curriculum development. Understand how the selection and development of content takes place within the design of a curriculum. Explain the concept of a spiral curriculum and how it can inform your teaching of concepts to clients in your discipline. Begin to develop your own curricular for learning sign language Identify the 4 stages of Piaget's cognitive development. Compare the differences and commonalities between Vygotsky and Piaget, Explain differences between Bruner and Piaget. Explain the 6 stages of moral development according to Kohlberg. Identify the various stages of learning within yourself on your journey to learning a |

| Health and | HWPSH | 100% | 0% | 5 | 15 | Learnersshould | new language (sign language). • Explain the functional learning model proposed by Fitts & Postner (1967). • Understand the 7 levels of learning. • Apply the hierarchy of learning to a basic sport skill. • You are teaching a new sport skill will be done using sign language to communicate to your peers a specific sport skill. • Explain the different modes of assessment. • Develop a rubric for assessing a sport skill. • Develop a rubric to assess peers on their use of sign language • Formulate ideas about alternative forms of assessment. |
|--------------------------|-------|------|----|---|----|--|--|
| Wellness Promotion 1B | 1B | | | | | develop intellectual capabilities and practical skills in the field of health and wellness. This module focuses on the principles of good physical, mental, and social wellbeing which includes disease prevention and control, as well as personal fitness. A basic introduction to wellness and injury prevention in sport will also be presented. Learners will further be taught how to conduct physical measurements during an evaluation of an | health behaviours and strategies to achieve optimal health • Give a brief overview of sport injuries. • Understand the basis of injury prevention and treatment • Describe the importance of health screening during preparticipation in exercise. • Identify the indications of various diseases a participant |

| Health and | HWPSH | 100% | 0% | 6 | 15 | athlete/client during the (4th term) as well as how to interpret each result. | Describe the contraindications to exercise testing, participant consent and participant instructions before exercise. Identify the steps in a full anthropometrical Assessment of an athlete and be able to develop an athlete profile through examples of data Describe the components of a comprehensive health fitness evaluation. Become familiar with the basic principles and guidelines for a health-related physical fitness testing. Identify the major physical fitness components prominent in athletic performance evaluation. Diligence in selecting the appropriate test to measure fitness components. Define Wellness in |
|--------------------------|-------|--------|------|---|----|--|--|
| Wellness Promotion 2B | 2B | 100 /8 | 0 76 | 0 | | develop intellectual capabilities and practical skills in the field of health and wellness. This module focuses on preparing for exercise and exercise adherence, developing and implementing physical activity plans, surveillance and physical activity measurement. | terms of the wellness wheel. Revisit the wellness paradigm, with applicable examples. Identify the four leading causes of premature death in RSA. Discuss Hypokinetic diseases and levels of physical activity. Distinguish between health and performance related fitness components. Discuss the factors affecting the risk of injury due to physical activity participation. Define preexercise/participation health screening methods |

| | 1 | ı | T |
|-----|---|------------------|---|
| | | | (MR.PLEASE, PAR- |
| | | | Q,HSQ) |
| | | | Apply the ACSM pre- |
| | | | participation screening |
| | | | algorithm for subjects |
| | | | who do not exercise |
| | | | regularly. |
| | | | Identify the risk |
| | | | factors for coronary |
| | | | artery disease. |
| | | | Discuss the general |
| | | | goals that good health |
| | | | aims to achieve. |
| | | | Define the terms |
| | | | Health, Health |
| | | | Promotion, Exercise, |
| | | | Illness, Illness |
| | | | prevention, chronic |
| | | | · · · |
| | | | disease, |
| | | | disease/illness |
| | | | treatment, time |
| | | | dependent aging and |
| | | | Lifestyle in relation to |
| | | | human life. |
| | | | Distinguish between |
| | | | structured and |
| | | | incidental daily |
| | | | physical |
| | | | activity/exercise |
| | | | through the use of |
| | | | examples. |
| | | | Discuss the concept |
| | | | of total fitness. |
| | | | • Describe the |
| | | | dependency of |
| | | | wellness on good |
| | | | physical fitness. |
| | | | • Use examples of |
| | | | common educational |
| | | | strategies to reach |
| | | | health targets. |
| | | | Discuss the various |
| | | | coaching strategies |
| | | | used in the 5 stages of |
| | | | readiness in |
| | | | behavioural change. |
| | | | • Identify the positive |
| | | | and negative variable |
| | | | |
| | | | affecting the readiness |
| | | | for behavioural |
| | | | change. |
| | | | List and describe the |
| | | | social determinants of |
| | | | health with |
| | | | accompanying |
| | | | examples |
| | | | Use examples to |
| | | | describe the |
| 876 | | RUI ES AND E | REGULATIONS 2024 |
| 0/0 | | NOLES AND P | LOOLATIONO 2024 |

| Health and Wellness Promotion 3A HWPSH 100% 0% 7 15 Health and Wellness Promotion 3A HWPSH 3A HWPSH 100% 0% 7 15 The purpose is prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Firefly, discuss why we need to pay attention to the social determinants of health in Identify well destructive lifestyles and their implications to a lack of wellness. • Discuss the lifestyle modifications that individuals should focus on. • List the popular screening processes for non-communicable disease. • Identify the possible screening components that forms part of a wellness day. • Identify the possible screening components that forms part of a wellness day results. • Discuss the stepwise approach to a worksite health promotion programme. • Describe Physical to investigate the concept of the global trends in health promotion. • Describe responses of screening components that forms part of a wellness day. • Understand exercise on serum lipids/ blood pressure/glucose endentify the global trends in exercise on serum lipids/ blood pressure/glucose endentify the global trends in exercise for health. • Identify the physical signs of stress on serums is plost of the signs of stress on serums is properly coping strategies to stress management. | | | | | | | | difference between equity and equality |
|--|----------------|-------|-------|------|---|----|-------------------|--|
| Health and Wellness Promotion 3A Health and Wellness Promotion 4A Health and Wellness Promotion 4A Health and Wellness Promotion 4A Health and Wellness Promotion 5A Health and Wellness Promotion 4A Health and Wellness Promotion 5A Health and Health Promotion 5A Promotion 3A Health and Health Promotion 5A | | | | | | | | Briefly, discuss why |
| determinants may affect the health of individuals. Identify destructive lifestyles and their implications to a lack of wellness. Discuss the lifestyle modifications that individuals should focus on. List the popular screening processes for non-communicable disease. Identify the possible screening components that forms part of a wellness day. Identify and discuss the pointers to address when analysing wellness day results. Discuss the stepwise approach to a worksite health promotion programme. Health and Wellness Promotion 3A HWPSH 100% 0% 7 15 The purpose is to prepare students to investigate the concept of the leath promotion programme. Leating the promotion programme. Hourstand be aware of the global trends in health promotion. In medicine and be aware of the global trends in health promotion. Promotion 3A HWPSH 100% 0% 7 15 The purpose is to prepare students to investigate the concept of prepare students to investigate the concept of prepare students to investigate the concept of physical inactivity alue for health being because the dangers of physical inactivity and discuss the promotion and discuss the promotion and discus | | | | | | | | |
| Health and Wellness Promotion 3A Hill Promotion | | | | | | | | |
| Health and Wellness Promotion 3A Health promotion 3A Health and Wellness Promotion 3A Health promotion 3A Health and Wellness Promotion 3A Health promotion 3A Health and Wellness Promotion 4A Health and Mellness Promotion 4A Health and | | | | | | | | affect the health of |
| Health and Wellness Promotion 3A Health promotion 3A Describe Physical activity value for health 60 occurrence 40 promotion 60 programme. 9 promotion 60 progra | | | | | | | | Identify destructive |
| Health and Wellness Promotion 3A However a the toncept of exercise in medicine and be aware of the global trends in health promotion. Health promotion 3A Health and Wellness Promotion 3A However a the pointers to address when analysing wellness day. Jescribe Physical activity value for health to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Health and Wellness Promotion 3A However a the pointers to address when analysing wellness day. Jescribe Physical activity value for health to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Health and Wellness Promotion 3A However a the popular screening processes for non-communicable disease. Jescribe Physical activity value for health to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Health and Wellness Aproved to a worksite health promotion are investigate the concept of exercise of physical inactivity alue for health to investigate the concept of exercise on serum lipids/ blood pressure/glucose leathing the global trends in exercise on serum lipids/ blood pressure/glucose on leathing the global trends in exercise on serum lipids/ blood pressure/glucose on leathing the global trends in exercise on serum lipids/ blood pressure/glucose on leathing the global trends in exercise on serum lipids/ blood pressure/glucose on leathing the global trends in exercise on serum lipids/ blood pressure/glucose on leathing the global trends in exercise on serum lipids/ blood pressure/glucose on leathing the global trends in exercise on serum lipids/ blood pressure/glucose on leathing the global trends in the global trends in the global trends i | | | | | | | | implications to a lack |
| Health and Wellness Promotion 3A Health and Wellness Ay remotion 3A Health and Wellness Promotion 3A Health and Wellness Promotion 3A Health and Wellness Ay remotion 3A HWPSH 100% 0% 7 15 The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Health and Wellness Ay results approach to a worksite health promotion by the properties of the global trends in health promotion. Health and Wellness Ay results approach to a worksite health promotion by the point and be available and be aware of the global trends in health promotion. Health and Wellness Ay results a to Discuss the dangers of physical inactivity and strictly and discuss the pointers to address when analysing analysing a to promotion by the pointers to a wellness and promotion and such as the promotion and be aware of the global trends in health promotion. I the promotion and be aware of the global trends in health promotion. I the promotion are the promotion and be aware of the global trends in health promotion. I the promotion are the promotion and the promotion are the promotion and the promotion are the promotion are the promotion and the promotion are the promotion are the promotion are the promotion are the promotion and the promotion are the promotion are the promotion and the promotion are the promot | | | | | | | | |
| Health and Wellness Promotion 3A Health promotion 3A Health promotion 3A Health and Wellness Promotion 3A However a to be aware of the global trends in health promotion. Describe Physical activity value for health being aware of the global trends in health promotion. Describe Physical activity value for health being aware of the global trends in health promotion. Describe responses of acute exercise on serum lipids/ blood trends in the promotion as the pointers to address when analysing wellness day results. Discuss the stepwise approach to a worksite health promotion programme. Describe Physical inactivity alue for health being aware of the global trends in exercise on serum lipids/ blood trends in exercise for health. Identify the postal trends in exercise for health. | | | | | | | | |
| Health and Wellness Promotion 3A How are the pointers to address when analysing wellness day results. Discuss the stepwise approach to a worksite health promotion programme. The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Health and Wellness Promotion 3A HWPSH 3A AN 3A The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Poscribe Physical activity value for health Discuss the stepwise approach to a worksite health Discuss the dangers of physical inactivity Understand exercise recommendations for recommendations for repare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Poscribe Physical activity value for health Discuss the stepwise approach to a worksite health Discuss the stepsise of prepare students to investigate the concept of exercise of physical inactivity Health and Wellness are the pointers to address when analysing wellness day. I dentify the global trends in the promotion activity and discuss the pointers to address when analysing wellness day. I dentify the global trends in the promotion activity and discuss the pointers to address when analysing wellness day. I dentify the global trends in the promotion activity and the promotion act | | | | | | | | |
| disease. I dentify the possible screening components that forms part of a wellness day. Identify and discuss the pointers to address when analysing wellness day results. Discuss the stepwise approach to a worksite health promotion programme. Health and Wellness Promotion 3A HWPSH 3A 100% 7 15 The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Understand exercise recommendations for general well-being Describe responses of acute exercise on serum lipids/ blood pressure/glucose I dentify the global trends in health. I dentify the possible screening components that forms part of a wellness day. Understand exercise recommendations for general well-being Describe responses of acute exercise on serum lipids/ blood pressure/glucose I dentify the global trends in exercise for health. I dentify the physical signs of stress Discuss the stress response to exercise Apply coping strategies to stress management | | | | | | | | screening processes |
| Health and Wellness Promotion 3A Health and Wellness Promotion 3A Health promotion 3A Health and Wellness Promotion 3A How by the pointers to address when analysing wellness day results. Discuss the stepwise approach to a worksite health promotion programme. The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Wellness Promotion 3A HWPSH 3A The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Brown by the pointers to address when analysing wellness day. I dentify value for health Discuss the dangers of physical inactivity and citivity value for health Understand exercise recommendations for general well-being Describe responses of acute exercise on serum lipids/ blood pressure/glucose I dentify the global trends in exercise for health. I dentify the physical signs of stress Discuss the stress response to exercise Apply coping strategies to stress management | | | | | | | | disease. |
| forms part of a wellness day. Identify and discuss the pointers to address when analysing wellness day results. Discuss the stepwise approach to a worksite health promotion programme. Health and Wellness Promotion 3A HWPSH 3A 100% 7 15 The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Discuss the dangers of physical inactivity value for health Discuss the dangers of physical inactivity of the exercise recommendations for general well-being Describe responses of acute exercise on serum lipids/ blood pressure/glucose Identify the global trends in exercise for health. Identify the physical signs of stress Discuss the stress response to exercise Apply coping strategies to stress management | | | | | | | | screening |
| Health and Wellness Promotion 3A HWPSH 3A Health and Wellness Promotion 3A Health and Wellness Promotion 3A HWPSH 3A HWPSH 3A HWPSH 3A HWPSH 3A HWPSH 3A The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Health and Wellness Promotion 3A HWPSH 3A HWPSH 3A HWPSH 3A HWPSH 3A The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Health and HWPSH 3A HWPSH 3A HWPSH 3D The purpose is to prepare students to investigate the concept of exercise of physical inactivity value for health become activity va | | | | | | | | forms part of a |
| Health and Wellness Promotion 3A HWPSH 3A The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Health and Wellness Promotion 3A HWPSH 3A HWPSH 3A HWPSH 3A Figure 15 Figure 25 Figure 25 Figure 25 Figure 25 Figure 25 Figure 35 | | | | | | | Identify and discuss |
| Health and Wellness Promotion 3A HWPSH 3A HOWESH 4 Discuss the dangers of physical activity value for health 4 Discuss the dangers of physical inactivity 4 Understand exercise recommendations for general well-being 4 Describe responses of acute exercise on serum lipids/ blood pressure/glucose 4 Identify the global trends in exercise for health 4 Identify the physical signs of stress 5 Discuss the strepwise approach to a worksite health promotion programme. Discuss the dangers of physical inactivity 4 Understand exercise recommendations for general well-being 5 Describe responses of acute exercise on serum lipids/ blood pressure/glucose 6 Identify the global trends in exercise for health 6 Identify the physical signs of stress 7 Discuss the stress response to exercise 8 Discuss the stress response to exercise 9 Apply coping strategies to stress management | | | | | | | | when analysing |
| Health and Wellness Promotion 3A HWPSH 3A HWPSH 3A HWPSH 3A The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Health and Wellness Promotion 3A HWPSH 3A The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. Describe responses of acute exercise on serum lipids/ blood pressure/glucose Identify the global trends in exercise for health. Identify the physical signs of stress Discuss the stress response to exercise Apply coping strategies to stress management | | | | | | | | |
| Health and Wellness Promotion 3A HWPSH 3A The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. The purpose is to prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. The purpose is to prepare students activity value for health become of physical inactivity of exercise recommendations for general well-being of acute exercise on serum lipids/ blood pressure/glucose of ldentify the global trends in exercise for health. Identify the physical signs of stress response to exercise of Apply coping strategies to stress management | | | | | | | | approach to a worksite |
| Wellness Promotion 3A Promotion 3A prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. prepare students to investigate the concept of exercise in medicine and be aware of the global trends in health promotion. prepare students to investigate the concept of physical inactivity • Understand exercise recommendations for general well-being • Describe responses of acute exercise on serum lipids/ blood pressure/glucose • Identify the global trends in exercise for health • Discuss the dangers of physical inactivity • Understand exercise recommendations for general well-being • Describe responses of acute exercise on serum lipids/ blood pressure/glucose • Identify the physical signs of stress • Discuss the stress response to exercise • Apply coping strategies to stress management | Health and | HWPSH | 100% | 0% | 7 | 15 | The purpose is to | programme. |
| concept of exercise in medicine and be aware of the global trends in health promotion. of physical inactivity understand exercise recommendations for general well-being Describe responses of acute exercise on serum lipids/ blood pressure/glucose Identify the global trends in exercise for health. Identify the physical signs of stress Discuss the stress response to exercise Apply coping strategies to stress management | Wellness | | 10070 | 0 70 | | | prepare students | activity value for health |
| recommendations for general well-being Describe responses of acute exercise on serum lipids/ blood pressure/glucose Identify the global trends in exercise for health. Identify the physical signs of stress Discuss the stress response to exercise Apply coping strategies to stress management | 1 Tomodon o/ (| | | | | | concept of | of physical inactivity |
| • Describe responses of acute exercise on serum lipids/ blood pressure/glucose • Identify the global trends in exercise for health. • Identify the physical signs of stress • Discuss the stress response to exercise • Apply coping strategies to stress management | | | | | | | | recommendations for |
| health promotion. health promotion. health promotion. health promotion. light exercise of serum lipids/ blood pressure/glucose light trends in exercise for health. light dentify the physical signs of stress Discuss the stress response to exercise Apply coping strategies to stress management | | | | | | | | Describe responses |
| Identify the global trends in exercise for health. Identify the physical signs of stress Discuss the stress response to exercise Apply coping strategies to stress management | | | | | | | • | serum lipids/ blood |
| health. Identify the physical signs of stress Discuss the stress response to exercise Apply coping strategies to stress management | | | | | | | | Identify the global |
| signs of stress • Discuss the stress response to exercise • Apply coping strategies to stress management | | | | | | | | health. |
| Discuss the stress response to exercise Apply coping strategies to stress management | | | | | | | | |
| • Apply coping strategies to stress management | | | | | | | | |
| management | | | | | | | | Apply coping |
| | | | | | | | | _ |

| Kinesiology 1A KINSH1 100% 0% 5 15 Students should develop intellectual capabilities and practical skills in the field of skeletal and muscular anatomy, biomechanics, wellness and sport injuries. Learners should be able to identify the different skeletal and muscular structures and analyse simple point movements. Learners should also be able to apply biomechanical principles in the fields of sport and human movement. Learners should also reflect on the role of the skeletal and muscular structures and analyse simple point movements. Learners should also be able to apply biomechanical principles in the fields of sport and human movement. Learners should also reflect on the role of the skeletal and muscular system during everyday activities, exercise, and sport. This module also focuses on the principles of good physical, mental, and social well-being which includes disease prevention and control, and personal fitness. A basic | | | | | | | | • Determine the mental health benefits |
|--|----------------|---|------|----|---|----|--|--|
| Kinesiology 1A A A A A A A A A A | | | | | | | | |
| introduction to | Kinesiology 1A | _ | 100% | 0% | 5 | 15 | develop intellectual capabilities and practical skills in the field of skeletal and muscular anatomy, biomechanics, wellness and sport injuries. Learners should be able to identify the different skeletal and muscular structures and analyse simple joint movements. Learners should also be able to apply biomechanical principles in the fields of sport and human movement. Learners should also reflect on the role of the skeletal and muscular system during everyday activities, exercise, and sport. This module also focuses on the principles of good physical, mental, and social wellbeing which includes disease prevention and | of physical activity. • Use the appropriate terminology in anatomy and the correct terminology for the general movements of the body. • Identify the different aspects of each bone in the major joints of the upper limb. • Identify the major joints of the upper limb. • Identify the different sections/curves of the spinal column. • Explain certain key concepts and definitions in the field of Biomechanics, e.g. planes, axes, directional terminology and joint movements. • Analyse a movement in terms of the phase of the movement, the joints involved, the specific movements that take place, the agonistic and antagonistic muscles, as well as the types of muscle contraction (Anatomical analysis). • Use the correct biomechanical terminology and explain the concept of levers. • Perform simple |

| | | | | | | injury prevention in sport. | |
|--|-------------|------|----|---|----|--|--|
| Motor Learning 3A | MTLSH3 A | 100% | 0% | 7 | 15 | The purpose of this module is to analyze motor development across the life span from infancy through older adulthood. Movement patterns and their developmental sequences, and the underlying mechanisms that are related to changes in these aspects will be studied. The processes of acquiring new skills and movement patterns and the correction of faulty movement patterns will be addressed. Learning will be facilitated with class discussions and examples; this will allow the learner to implement theory in real-life. | Explain the concept of motor development. Discuss different perspectives, such as maturational, information processing and ecological. Understand and discuss the principles of motion and stability. Discuss die development of various locomotor skills across the life span. Explain the different developmental systems from prenatal to older adulthood. Discuss the role and development of balance and postural control. Explain the different sociocultural constraints, in terms of race, ethnicity and socioeconomic status. |
| Notational Analysis and Exercise Science Programming 3B | NAPSH3 B | 100% | 0% | 7 | 15 | This module aims to inform students about the various methods used in the scientific analysis and interpretation of match data. | key performance indicators for sport performance |
| | | | | | | | Assess contemporary issues in sports performance analysis, ethics, youth |

| | | | | | | | and developmental sports |
|--------------|-------------|------|----|---|----|--|--|
| Nutrition 1A | NUT012 A | 100% | 0% | 6 | 15 | The purpose of this module is to acquire knowledge with respect to the important role of nutrition in exercise, sport and performance. The module focuses on the basic principles of nutrition and on its role in enhancing athletic performance. Learners should also have a basic knowledge of nutritional supplements and banned substances within sport and exercise. These are fundamental concepts and additional reading is required to further increase knowledge. | Describe the South African Food based dietary guidelines. Name the 6 classes of nutrients and classify them as macro or micronutrients. Identify the monosaccharides, disaccharides and polysaccharides common in nutrition by their major food source. Describe the mechanisms of Carbohydrate metabolism (Glycolysis, Gluconeogenesis) Explain Carbohydrate Utilization during exercise. |

| | | T | 11 (6 (1 |
|-----|--|-------------|---|
| | | | Identify the |
| | | | monosaccharides, |
| | | | disaccharides and |
| | | | polysaccharides |
| | | | common in nutrition by |
| | | | their major food |
| | | | source. |
| | | | • Describe the |
| | | | mechanisms of |
| | | | Carbohydrate |
| | | | metabolism |
| | | | (Glycolysis, |
| | | | , |
| | | | Gluconeogenesis) |
| | | | • Explain |
| | | | Carbohydrate |
| | | | Utilization during |
| | | | exercise |
| | | | Identify and describe |
| | | | the Central nervous |
| | | | system Theories |
| | | | • Give the |
| | | | recommended Carb |
| | | | intake/requirements |
| | | | for the general public, |
| | | | athletes |
| | | | |
| | | | |
| | | | describe the glycemic |
| | | | index of food (GI) |
| | | | Identify food sources |
| | | | for the major vitamins |
| | | | and minerals |
| | | | • Discuss how |
| | | | exercise may increase |
| | | | the need for |
| | | | micronutrients in |
| | | | active individuals. |
| | | | • Identify the |
| | | | micronutrients most |
| | | | likely to be low in the |
| | | | diets of active |
| | | | |
| | | | individuals |
| | | | Identify dietary |
| | | | patterns that lead to |
| | | | low energy intakes |
| | | | and potentially |
| | | | micronutrient |
| | | | deficiencies. |
| | | | Discuss the role that |
| | | | energy intake has on |
| | | | the intake of |
| | | | micronutrients. |
| | | | • Discuss the role zinc, |
| | | | iron, folate and vitamin |
| | | | |
| | | | B12 play in |
| 881 | | RULES AND R | EGULATIONS 2024 |

| | | | | | | | haemoglobin synthesis. • Discuss the impact of poor iron status on exercise performance. • Describe the nutrients important for bone health and their function. |
|------------------------------|-------------|------|----|---|----|--|---|
| Principles of Coaching 2A | PRCSH2 A | 100% | 0% | 6 | 15 | Introduce basic principles of coaching science and its application to a range of sports. | Briefly explain the rationale why a philosophy is needed in the context of coaching. Discuss how life |
| | | | | | | | events can affect a coaching philosophy Briefly discuss the development of a coaching philosophy. |
| | | | | | | | Discuss self-awareness as an important component in developing a coaching, philosophy. Typicing the park |
| | | | | | | | • Explain the self- concept principal concept with reference to the three selves of a person. |
| | | | | | | | Briefly discuss self- esteem as an important component in the development of a useful coaching philosophy. |
| | | | | | | | Briefly discuss self- disclosure as a component in the development of a coaching philosophy. |
| | | | | | | | Gain a significant insight into three mayor coaching objectives. |
| | | | | | | | • Discuss society's objectives for sport programmes. |

| This module introduces Explain what memory is. List and describe the | | | | | | | Discuss the compatibility of coaching objectives with that of society. |
|--|--------------|-----|-----|---|----|-------------|---|
| objectives for coaching. Name and discuss the three coaching styles most coaches adopt. Define leadership. What is the difference between leadership and management. Discuss in what ways a leader should not only address the psychological and social environments of atheles. Explain how a coach should provide direction to his/her athletes. Is the focus on the steps that lead to winning as well as other goals? Name and discuss the components of a team culture. How can a positive team culture be fostered and how can athletes be included in its creation? Psychology 1A: Fundamentals Define leadership. What is the difference between leadership. Explain how a coach should girection to his/her athletes. Is the focus on the steps that lead to winning as well as other goals? Name and discuss the components of a team culture. How can a positive team culture be fostered and how can athletes be included in its creation? Briefly discuss suggested behavioural guidelines in coaching (Codes of ethics). Psychology 1A: Fundamentals Psylhaa 50% 50% 5 16 Humanities module This module Explain what memory is. List and describe the | | | | | | | _ |
| the three coaching styles most coaches adopt. Define leadership. What is the difference between leadership and management. Discuss in what ways a leader should not only address the physical but also the psychological and social environments of atheletes. Explain how a coach should provide direction to his/her athletes. Is the focus on the steps that lead to winning as well as other goals? Name and discuss the components of a team culture. How can a positive team culture be fostered and how can athletes be included in its creation? Briefly discuss suggested behavioural guidelines in coaching (Codes of etnics). Psychology 1A: This module introduces This module Explain what memory is. List and describe the | | | | | | | objectives for |
| What is the difference between leadership and management. Discuss in what ways a leader should not only address the physical but also the psychological and social environments of athletes. Explain how a coach should provide direction to his/her athletes. Is the focus on the steps that lead to winning as well as other goals? Name and discuss the components of a team culture. How can a positive team culture be fostered and how can athletes be included in its creation? Briefly discuss suggested behavioural guidelines in coaching (Codes of ethics). Psychology 1A: This module This module This module Explain what memory is. List and describe the | | | | | | | the three coaching styles most coaches |
| a leader should not only address the physical but also the psychological and social environments of athletes. • Explain how a coach should provide direction to his/her athletes. Is the focus on the steps that lead to winning as well as other goals? Name and discuss the components of a team culture. How can a positive team culture be fostered and how can athletes be included in its creation? • Briefly discuss suggested behavioural guidelines in coaching (Codes of ethics). Psychology 1A: Fundamentals PSY1AA 50% 50% 5 16 Humanities module This module This module introduces • List and describe the | | | | | | | What is the difference between leadership |
| Should provide direction to his/her athletes. Is the focus on the steps that lead to winning as well as other goals? Name and discuss the components of a team culture. How can a positive team culture be fostered and how can athletes be included in its creation? Briefly discuss suggested behavioural guidelines in coaching (Codes of ethics). Psychology 1A: Fundamentals PSY1AA 50% 50% 5 16 Humanities module This module This module Explain what memory is. List and describe the | | | | | | | a leader should not only address the physical but also the psychological and social environments of |
| Psychology 1A: Fundamentals PSY1AA 1 50% 5 16 Humanities module This module introduces This module introduces List and describe the | | | | | | | should provide direction to his/her athletes. Is the focus on the steps that lead to winning as well as other goals? Name and discuss the components of a team culture. How can a positive team culture be fostered and how can athletes be included in its creation? |
| 1A: Fundamentals 1 This module introduces Explain what memory is. • List and describe the | | | | | | | suggested behavioural guidelines in coaching (Codes of |
| Fundamentals This module introduces Explain what memory is. List and describe the | Psychology | 50% | 50% | 5 | 16 | | Humanities module |
| • List and describe the | Fundamentals | | | | | This module | - |
| RULES AND REGULATIONS 2024 | | | | | | | |

| | | | | | | students to the fundamentals of psychology. It is aimed at providing students with a broad theoretical knowledge for further learning. | , |
|--|-------------|-----|-----|---|----|---|--|
| Psychology 1B: Fields of Psychology | PSY1BB 1 | 50% | 50% | 5 | 16 | Humanities module Introduces the learner to major fields in psychology, issues related to these fields. | Explain and evaluate theories in developmental psychology Explain and evaluate theories in personality psychology Explain and evaluate theories in personality psychology Explain and evaluate theories in social psychology |
| Psychology 2A: Developmental Psychology | PSY2AA 2 | 50% | 50% | 6 | 16 | Humanities module Introduces the basic principles of human development, which assists in learner conceptualisation of the human body from birth to death. | Humanities module Have a working knowledge base of developmental psychology. Have a sound understanding of the key terms, concepts, established principles and theories in developmental psychology; |

| | | | | | | | Awareness of how the field of study relates to other areas such as abnormal psychology, cognitive psychology, and social psychology; A critical analysis and synthesis of information Presentation of information using basic information gained during the study of human development theories. Develop cognitive skills that enable adaptive participation within academic context Apply the study material to everyday personal, social, familial and cultural contexts; and Understand diversity in human psychological and social life and develop values of tolerance and respect for difference. |
|--|-------------|-----|-----|---|----|---|--|
| Psychology 2B: Positive Psychology | PSY2DB 2 | 50% | 50% | 6 | 16 | Humanities module Provide basic knowledge of theory and concepts of the emerging field of positive psychology. | Distinguish between principles of positive psychology and other principles of psychology Identify and describe the core concepts of positive psychology Reflect on applications of positive psychology |

| Psychology 3A: Research Psychology | PSY3AA 3 | 50% | 50% | 7 | 16 | Humanities module Introduces | Identify research that supports the principles, strategies and skills of positive psychology Humanities module Differentiate between |
|--|-------------|-----|-----|---|----|--|---|
| | | | | | | students to advanced research design in the behavioural sciences. Familiarise learners with the description and manipulation of data using data analysis software. | experimental and non-experimental designs • Understand the varieties of experimental research design • Understand the varieties of non-experimental research design Analysis through case study |
| Psychology 3B: Psychopatholo gy | PSY3DB 3 | 50% | 50% | 7 | 16 | Humanities module To develop conceptual understanding of the multidimensional. | Humanities module Application of multi-dimensional approach to psychopathology Critically discuss historical approaches to understanding psychopathology Describe current approaches including assessment, diagnostic practices and treatment modalities Describe the clinical the clinical picture of major psychological disorder categories Differentiate between the major psychological disorder categories Explain the multi-dimensional aetiological contributions to |

| | | | | | | | the development and presentation of psychological disorders • Critically discuss current trends in the understanding of psychopathology. |
|--------------------------------------|-------------|------|----|---|----|--|---|
| Sport and Exercise Practice 1B | SEPSH1 B | 100% | 0% | 5 | 8 | The purpose of this module is to introduce students to the interpretation, analysis and application of the rules and assessment in the sporting codes of Basketball, Cricket, Soccer, Netball, Hockey and Rugby. | Explain the Rules and Regulations of the game. Identify the Equipment used. Illustrate dimensions of the playing Field. Identify Playing Positions and their roles. Conduct a needs analysis of sport. Evaluation of the Sport. Movement/biomechan ical analysis. Physiological analysis. Application of training principles. |
| Sport and Exercise Science 3A | SESSH3 A | 100% | 0% | 7 | 15 | The purpose is to address the physical fitness components of the athlete and the importance of it in sport. | Learners should develop intellectual competencies and practical skills in the analysis, interpretation and application of exercise science principles in the fitness and health-, coaching and teaching sectors of the sport industry. |
| Sport and Exercise Science 3B | SESSH3 B | 100% | 0% | 7 | 15 | The purpose is to address the physical fitness components of the athlete and the importance of it in sport. | Learners should develop intellectual competencies and practical skills in the analysis, interpretation and application of exercise science principles in the fitness and health-, coaching and teaching sectors of the sport industry. |

| Sport and Exercise Science Practice 3B | SEPSH3 B | 100% | 0% | 7 | 15 | The purpose of this module is to acquire the knowledge needed to diligently conduct measurement and evaluation techniques in sport with the comprehensive application of exercise science theories, principles and concepts to the result findings. The programme serves to develop your understanding and integration of theory into tangible application within a sporting context. | Students should be able to apply knowledge on, and conduct measurement and evaluation techniques in sport with the comprehensive application of exercise science theories, principles and concepts to the result findings. |
|---|-------------|------|----|---|----|---|--|
| Talent Identification and Long- Term Athlete Development 3A | TIDSH3 A | 100% | 0% | 7 | 15 | Purpose: aims to introduce students to talent identification and development and how it has been historically approached and misused Focus on the reconciliation of both mass participation and talent development. | Demonstrate and understanding of natural gift and talent Distinguish between what talent ID from a multi-disciplinary perspective Define and discuss ethical challenges of long-term athlete development. |

| Anatomy | Name |
|---|--------------|
| 1 AND 1 | Code |
| 100% | SM Weight |
| C% | EM Weight |
| U U | Level |
| N.C. | Credits |
| The purpose of this module is to provide in-depth information regarding the different anatomical structures within the human body, including various systems, such as osteology, the nervous system, cardiovascular system, respiratory system, digestive system and muscular system. | |
| Terminology 1. Describe the origins of anatomical terms and explain the significance of "Terminologia Anatomica" 2. Describe different body regions, body sections and relative positions by utilizing anatomical terms. 3. Identify the major body and joint movements using correct anatomical terms 4. Define body and joint movements using correct anatomical terms Basic Histology 5. Identify the four major types of tissues in the body and joint movements using correct anatomical terms Basic Histology 5. Identify the four major types and function of tissues and function of epithelium 7. Describe the three main categories and function of connective tissue (connective tissue proper; fluid | Content |

| | | | | | and supporting connective tissue) |
|-----|--|--|--|-------------|---|
| | | | | | 8. Describe the three types of muscle tissue and the special structural features of each type |
| | | | | | 9. Discuss the basic structure and role of the nervous system |
| | | | | | Introduction to Osteology |
| | | | | | 10. Describe a structural overview of the skeleton |
| | | | | | 11. Describe the anatomy of the axial and appendicular skeleton (identification, classification, bone markings and muscles attachments) |
| | | | | | 12. Describe the anatomy of the joints of the human body (structure, classification, characteristics, structures stabilizing joints including ligaments and cartilage and joint movement) |
| | | | | | Nervous System |
| | | | | | 13. Describe the structural and functional divisions of the nervous system |
| | | | | | 14. Describe the structure and |
| 890 | | | | RULES AND R | EGULATIONS 2024 |

| | | | | function of the components of a typical neuron and classify neurons on the basis of the structure and function |
|---|--|--|--|--|
| | | | | 15. Discuss the location and functions of the various types of neuroglia |
| | | | | 16. Identify the major brain regions, vesicles and ventricles, and describe the location of each |
| | | | | 17. Explain how the brain is protected and supported and discuss the formation and circulation CSF |
| | | | | 18. Identify the primary sensory, motor and association areas of the brain and relate these to their functions |
| | | | | 19. List the main components of medulla oblongata, pons, midbrain, cerebellum, spinal cord, diencephalon and limbic system |
| | | | | 20. Discuss the location, names and function of the twelve pairs of cranial nerves |
| _ | | | | 21. Describe the structure and functions of the |

| | | | | sympathetic and parasympathetic division of the autonomic nervous system |
|--|--|--|--|---|
| | | | | 22. Specify the components of the afferent and efferent divisions of the somatic nervous system |
| | | | | 23. Discuss the structure of the spinal cord and spinal meningeal layers and describe the components of the spinal nerves |
| | | | | 24. Explain the roles of white and grey matter in processing and relaying sensory information and motor commands of the spinal cord |
| | | | | Endocrine System |
| | | | | 25. Briefly describe the structure and function of the major endocrine glands and tissues and provide the location of each |
| | | | | Senses |
| | | | | 26. Identify the internal and accessory structures of the eye and explain the anatomy of each |
| | | | | 27. Describe the structure of the external, middle and internal ear |

| | | | | 28.Explain the location, structure and function of joint, muscle and tendon receptors, e.g. the Golgitendon organ and muscle spindles |
|--|--|--|--|--|
| | | | | Cardiovascular System |
| | | | | 29. Describe the anatomy of the heart (including nerve and vascular supply, pericardium structure, layers of heart walls, chambers and heart valves) |
| | | | | 30. Describe the flow path of blood through the heart and lungs |
| | | | | 31. Identify and describe the structure of the major blood vessels |
| | | | | Respiratory System |
| | | | | 32. List the components of the respiratory airways and describe the structural and functional classification of these components |
| | | | | 33. Describe the gross anatomy and histology of the following respiratory airways: nasal cavity, pharynx, larynx, trachea, bronchi, |

| | | | bronchioles, alveoli |
|--|--|--|---|
| | | | Digestive System |
| | | | 34. Identify the organs of the digestive system |
| | | | 35. Describe the histology of the digestive tract |
| | | | 36. Discuss the anatomy of the oral cavity, pharynx, oesophagus, stomach, small and large intestines and accessory organs of the digestive system (liver, pancreas and gallbladder) |
| | | | Urinary System |
| | | | 37. Identify the organs of the urinary system |
| | | | 38. Describe the location and structure of the kidneys |
| | | | 39. Identify major blood vessels associated with each kidney and describe the structure of a nephron |
| | | | 40. Describe the structures of the ureters, urinary bladder and urethra |
| | | | Reproductive System |

| | 1 | I | | | | | 44 1-4 1 (2) |
|---------------|---------|------|----|---|----|---|--|
| | | | | | | | 41. Introduction to the Muscular System |
| | | | | | | | 42. Apply the correct terminology related to skeletal muscle |
| | | | | | | | 43. Describe the arrangement of fascicles in the various types of muscles and explain the functional differences |
| | | | | | | | 44. Explain how the names of muscles can assists in identifying the location, appearance and function |
| | | | | | | | 45. Identify the muscles of the axial and appendicular skeleton and name the muscle or group of muscles innervated by the cranial nerves or somatic nerve plexuses |
| Biokinetics 1 | BIK01Y1 | 100% | 0% | 5 | 30 | The purpose of this module is to introduce the student/learner to the field of Biokinetics, the human body, health and fitness. | Describe where and how the Biokinetics profession developed and how it fits into the SA health care industry. |
| | | | | | | | Identify selected ethical and legal issues involved in being a Biokineticist. Demonstrate a functional |
| | | | | | | | understanding of |

| | | | | | | | the neuro- musculoskeletal |
|---------------|---------|------|----|---|----|--|---|
| | | | | | | | Perform simple anatomical analyses of common movements. |
| | | | | | | | · Explain the role of exercise and screening in promoting wellness and in preventing certain non-communicable diseases. |
| | | | | | | | · Conduct and interpret basic health and physical fitness assessments. |
| | | | | | | | · Apply the FITT-VP principle to exercise prescription for healthy populations |
| | | | | | | | Identify the symptoms, aetiology and treatment of common sports injuries. |
| | | | | | | | List basic prevention strategies used to prevent different sports injuries. |
| | | | | | | | Explain the 3 different rehabilitation phases used in Biokinetics. |
| Biokinetics 2 | BIK01Y2 | 100% | 0% | 6 | 30 | The purpose of this module is to learn more about the fields of wellness, chronic conditions, and | 1. Explain the importance of the 17 sustainable development goals (SDGs) and explain how SDGs apply in the context of |

| | Г |] | , , | - 1 | | | |
|-----|---|---|-----|-----|-------------------|---------|---|
| | | | | | lower conditions. | limb | Biokinetics in South Africa. |
| | | | | | | | 2. Demonstrate an understanding of the impact that the social determinants of health has in the context of Biokinetics in South Africa. |
| | | | | | | | 3. Reflect on the importance of corporate wellness programs from a Biokinetics perspective and how corporate environments incorporate these. |
| | | | | | | | 4. Discuss the benefits and applications of the different types of therapeutic modalities within orthopaedics |
| | | | | | | | 5. Explain the injury pathology, prevalence, symptoms, aetiology and treatment of lower limb injuries/conditions. |
| | | | | | | | 6. Perform Biokinetic assessments of various lower limb orthopaedic injuries. |
| | | | | | | | 7. Interpret the results of Biokinetic assessments of various lower limb injuries and design appropriate exercise rehabilitation programmes for |
| 897 | | | | | DI II E | C AND D | patients with lower |

| | | | | | | | limb injuries by applying the FITT-VP principle for each of the three different phases of Biokinetic rehabilitation. 8. Explain the criteria used to discharge a patient or to return an athlete to his/her sport. 9. Discuss injury prevention strategies for the lower limb in Biokinetics. 10. Explain the prevalence, symptoms, aetiology and treatment of chronic conditions (Hypertension/CAD; Diabetes Mellitus; Obesity). 11. Explain the Biokinetic assessment of various chronic conditions. 12. Interpret the results of |
|---------------|---------|------|----|---|----|---|--|
| | | | | | | | results of assessments of various chronic conditions. |
| | | | | | | | 13. Discuss appropriate exercise programmes for patients with chronic conditions |
| | | | | | | | taking the FITT-VP principle into account. |
| Biokinetics 3 | BIK01Y3 | 100% | 0% | 7 | 30 | The purpose of this module is to develop theoretical and clinical reasoning | Recognize the causes, symptoms and prevalence of different conditions Understand the |

| | | | | | | skills in the different fields of Biokinetics (Chronic Conditions, Wellness and Orthopaedics). | different evaluations available for each condition • Design rehabilitation interventions for different conditions • Screening and prevention of non- communicable diseases • Promotion of health • Reflect on the effectiveness of exercise and other therapeutic interventions. |
|---------------|---------|------|----|---|----|---|--|
| Biokinetics 4 | BIK01Y4 | 100% | 0% | 8 | 30 | The purpose of this module is for the learner to develop intellectual competencies related to the fields of Wellness, Orthopaedic Conditions and Chronic Diseases, and to reflect on the effectiveness of exercise in the prevention and treatment of these conditions. Learners should also become familiar with the analysis and discussion of case studies. In addition, learners should be able to integrate their knowledge during the interpretation and analysis of complex case studies to suggest appropriate assessments and interventions. Learners should have a detailed | chronic case studies (cardiovascular disease, diabetes type 1 & 2, cardiopulmonary disease, HIV/AIDs, neurological diseases and cancer, use sound clinical reasoning and make informed decisions regarding |

| | | | | | | working | |
|--------------|--------|------|----|---|----|-------------------------------------|---|
| | | | | | | knowledge of exercise in its | |
| | | | | | | different forms and which type of | |
| | | | | | | exercise to | |
| Biomechanics | BMS01A | 100% | 0% | 6 | 15 | prescribe. The purpose of | Explain the |
| 2A | 2 | | | | | this module is for the learner to | concepts of static |
| | | | | | | develop intellectual | and dynamic biomechanics. |
| | | | | | | competencies | Solve |
| | | | | | | and clinical skills in biomechanics | biomechanical |
| | | | | | | and the | calculations, using scalar and vector |
| | | | | | | assessment of health and | quantities: |
| | | | | | | fitness. The | - Displaceme |
| | | | | | | learner should be able to solve | nt, velocity and |
| | | | | | | biomechanical | acceleration |
| | | | | | | problems, perform basic | (projectile motion) |
| | | | | | | biomechanical analyses and be | - Momentum |
| | | | | | | able to assess | TorqueEnergy and |
| | | | | | | basic health and fitness | work |
| | | | | | | components. | Differentiate |
| | | | | | | | between the three types of lever |
| | | | | | | | systems in terms of |
| | | | | | | | their structure and function. |
| | | | | | | | |
| | | | | | | | Describe the influence of centre |
| | | | | | | | of gravity on |
| | | | | | | | balance and stability. |
| | | | | | | | Understand how |
| | | | | | | | biomechanics |
| | | | | | | | integrates with the disciplines of |
| | | | | | | | exercise |
| | | | | | | | physiology, ergonomics, |
| | | | | | | | physical therapy |
| | | | | | | | and sports medicine. |
| | | | | | | | medicine. |

| | | | | | | | Explain the interactions between the neuromuscular system and movement. Perform basic biomechanical analyses of movement-related tasks. |
|--|-------------|------|----|---|----|--|---|
| Biokinetics Research Project 4 | BRD01Y 4 | 100% | 0% | 8 | 30 | The purpose of this module is to enable you with the skills and time to complete your research project in Biokinetics. | Design, implement and present a research article using PowerPoint at a journal club. Implement and complete a research article of a particular study design. Implement and present a summary of their research project using PowerPoint |
| Clinical Exercise Testing and Prescription 2 | CET01Y 2 | 100% | 0% | 6 | 30 | The purpose of this module is for the learner to understand evidence-based practice and preparticipation screening. The learner should be able to conduct basic healthrelated and fitness-related evaluations on healthy individuals and special populations. The learner should also be able to interpret the tests | Discuss evidence-based practice in Biokinetics. Perform preparticipation screening. Conduct basic health-related evaluations, e.g.: - Blood pressure, pulse and rate pressure product - Blood tests |

| | | | and provide | | Body |
|-----|-------|------|-----------------|--------|--------------------------|
| | | | comprehensive | | compositio |
| | | | feedback on the | | n |
| | | | findings. | - | Coronary |
| | | | | | artery |
| | | | | | disease, |
| | | | | | metabolic |
| | | | | | disease |
| | | | | | and cancer |
| | | | | | risk |
| | | | | - | ECG Spirometry |
| | | | | | |
| | | | | Postur | е |
| | | | | - | Flexibility |
| | | | | - | Muscle |
| | | | | | strength |
| | | | | - | Gait |
| | | | | | |
| | | | | Perfor | |
| | | | | | -related |
| | | | | evalua | tions, e.g.: |
| | | | | - | Aerobic |
| | | | | | capacity |
| | | | | - | Muscular |
| | | | | _ | strength Muscular |
| | | | | - | Endurance |
| | | | | _ | Power |
| | | | | _ | Speed |
| | | | | _ | Agility |
| | | | | - | Reaction |
| | | | | | time |
| | | | | - | Balance |
| | | | | | and |
| | | | | | propriocep |
| | | | | | tion |
| | | | | - | Physical |
| | | | | | work |
| | | | | _ | capacity Isokinetics: |
| | | | | _ | Lower limb |
| | | | | _ | Ergometry |
| | | | | | or work- |
| | | | | | related |
| | | | | | biomechan |
| | | | | | |
| 902 | · | | RULES AND R | | |

| | | | | | | | ics |
|--|-------------|------|----|---|----|--|--|
| | | | | | | | Interpret the tests performed and write comprehensive feedback reports on your findings. |
| Clinical Exercise Testing and Prescription 3 | CET01Y 3 | 100% | 0% | 7 | 30 | The purpose of this module is for the learner to be able to discuss the pathophysiology of common chronic conditions, along with the performance of selected clinical exercise tests. The learner should also be able to interpret the findings, design appropriate rehabilitation programmes and discuss the special considerations for each of these conditions. | Discuss the pathophysiology of common chronic conditions, e.g.: - Atheroscle rosis - Hypertensi on - Heart disease - Stroke - Pulmonary conditions, e.g. chronic bronchitis and asthma - Diabetes - Metabolic disease - Cancer - Obesity - Cerebral palsy - Parkinson' s disease - Multiple sclerosis - HIV and AIDS Perform and interpret selected clinical exercise tests, e.g.: |

| I | | | 1 | | |
|---|--|--|---|-----------|---------------|
| | | | | | Bruce |
| | | | | | Protocol |
| | | | | - | YMCA |
| | | | | - | Stress |
| | | | | | ECG |
| | | | | | |
| | | | | | EMG |
| | | | | | VO_{2max} |
| | | | | - | Functional |
| | | | | | movement |
| | | | | | screenin |
| | | | | | Biodex |
| | | | | | Balance |
| | | | | | |
| | | | | | System |
| | | | | - | Isokinetics: |
| | | | | | Upper limb |
| | | | | | |
| | | | | O ::: :: | G |
| | | | | | y reflect on |
| | | | | | s conducted |
| | | | | above i | n the form of |
| | | | | a cor | mprehensive |
| | | | | report. | |
| | | | | - | |
| | | | | Design | |
| | | | | rehabili | |
| | | | | | e programs |
| | | | | | ess selected |
| | | | | | |
| | | | | clinical | conditions. |
| | | | | | |
| | | | | | n case study |
| | | | | evaluat | |
| | | | | patients | s with |
| | | | | selecte | d clinical |
| | | | | condition | ns. |
| | | | | | |
| | | | | Design | appropriate |
| | | | | clinical | exercise |
| | | | | | otocols for a |
| | | | | | |
| | | | | | of clinical |
| | | | | conditio | IIIS. |
| | | | | | |
| | | | | | s the special |
| | | | | conside | |
| | | | | exercis | е |
| | | | | prescrip | otion in the |
| | | | | most | common |
| | | | | | conditions. |
| | | | | 2.7.01110 | |
| | | | | | |
| | | | | | |

| | | | | | | | Reflect on the most appropriate exercise prescription for a variety of clinical conditions. |
|---------------------|----------|------|----|---|----|---|---|
| Exercise Physiology | EXP01Y 2 | 100% | 0% | 6 | 30 | The purpose of this module is for the learner to develop intellectual competencies and clinical skills in Exercise Physiology and the assessment of health and fitness. | Identify and explain the physiological responses and adaptations to acute and chronic exercise and training in the neuro-musculoskeletal, neurological, cardiovascular, pulmonary, metabolic, endocrine and thermoregulatory systems. Apply principles of biochemistry in aspects of exercise and training (bioenergetics). Describe and distinguish between metabolic processes. Conduct and evaluate various physiological tests: - Heart rate monitoring (ECG) - Respirator y tests (VO2 and spirometry) - Various blood tests (lactate, |

| | | | | | | | haematocri t) |
|-------------|-------------|------|----|---|----|--|--|
| | | | | | | | Interpret graphical physiological responses to exercise. |
| | | | | | | | Differentiate between physiological responses and adaptations to various: |
| | | | | | | | Modes of exerciseDurations of exerciseEnvironme nts |
| | | | | | | | Discuss the factors associated with attaining peak bone mineral density in adults (in both sexes). |
| | | | | | | | Explain the mechanisms for generation, transmission and regulation of myotatic reflexes. |
| | | | | | | | Describe the sequence of events involved in volitional control of movement. |
| | | | | | | | Describe thermal balance in various environments during various exercise modes. |
| Nutrition 1 | NUT01A 1 | 100% | 0% | 5 | 15 | The purpose of this module is to acquire knowledge and | Describe how various factors influence personal food choices |

| | | | | | awareness with respect to the important role of nutrition in health and disease. The module focuses on the principles of nutrition for well-being, which includes disease prevention and control, and personal fitness. A basic introduction to nutrition will be presented. Learners should further be able to reflect on the role of the principles of nutrition and the lifestyle modification principles required for health promotion. These are fundamental concepts and additional reading is required to further increase knowledge. | Describe the South African Food based dietary guidelines Name the 6 classes of nutrients and classify them as macro or micronutrients Discuss the body's regulation of fluid balance. Explain nutrition throughout one's lifespan. Discuss the role of nutrition in the prevention of overweight, obesity, diabetes, cardiovascular diseases, cancer, HIV/AIDs and in athletes. |
|------------------------|------|----|---|----|--|---|
| Pathology and PAP01A 2 | 100% | 0% | 6 | 15 | The purpose of this module is to understand the basic terminology used in pathophysiology, to delph into the pathophysiology of various conditions/diseas e, and to identify the medications used to treat these conditions/diseas es. | Explain the epidemiology of common diseases. Discuss the terminology used within pathophysiology. Describe pathogens and diseases. Explain the immune system. Discuss wound healing and pain. |

| Pharmacology 3B | PAR01B | 100% | 0% | 7 | 5 | The purpose of this module is for learners to understand the basic principles of pharmacology, to | Differentiate between acute and chronic inflammation. Identify the risk factors, causes, pathophysiology, symptoms, management and treatment for: Neuro-musculoskeletal, neurological, cardiovascular, pulmonary, metabolic and/or immune conditions/disease Discuss the common medications used to treat these diseases or conditions. Discuss the basic principles of pharmacology. Provide the definitions and |
|--------------------|--------|------|----|---|---|---|--|
| | | | | | | discuss the different drug classes for the management of different conditions. The learner should also be able to explain the pharmacological effects of common medications on the physiological functions and the effects on exercise. | diseases. Conduct and interpret assessments for patients with selected chronic diseases (e.g. |

| | | | | | | | Explain the effects of exercise on various chronic diseases. Identify barriers and implement strategies to enable exercise in a community setting. Discuss the special considerations and red flags for exercise amongst patients with various chronic diseases. Design appropriate exercise programmes for patients with |
|--------------|-------------|------|----|---|----|--|--|
| | | | | | | | patients with various chronic diseases by applying the FITT-VP principle. |
| | | | | | | | Apply appropriate screening protocols for specific non-communicable diseases. Critically discuss how health promotion and risk reduction can be applied. |
| Physiology 1 | PHY11Y 1 | 100% | 0% | 5 | 15 | The purpose of this module is to provide an overview of physiology, to discuss support and movement within the body, the various system that support control and regulation in the human body, | 1. Levels of Organisation 1.1 Introduction to Physiology I – Define the basic principles, terms and concepts of physiology. II - Describe the different levels of |

| | | | to discuss fluids and transport thereof in the body, to delph deeper into the cardiovascular system and environmental exchanges taking place. | organisation in living organisms. III - Discuss the importance of homeostasis in living organisms. 1.2 Levels of organisation: Chemical I - Define the basic terms and concepts regarding matter and energy. |
|-----|--|--|---|--|
| | | | | II - Demonstrate the basic principles underlying chemical reactions. |
| | | | | III - Describe the basic principles of inorganic chemistry. |
| | | | | IV - Describe the basic principles of organic chemistry. |
| | | | | 1.3 Levels of organisation: Cellular |
| | | | | I - Describe the physiology and basic anatomy of the cell membrane. |
| | | | | II - Describe the components of the cytoplasm and their respective functions. |
| | | | | III - Discuss the importance of the cell's nucleus. |
| | | | | IV - Describe the cell's transport mechanisms and the |
| 910 | | | RULES AND R | EGULATIONS 2024 |

| | | | | |
|-----|------|--|----------|--|
| | | | | transmembrane potential. |
| | | | | V - Describe the stages of the cell life cycle. |
| | | | | 2. Support and Movement |
| | | | | 2.1 The integumentary system |
| | | | | I - Discuss the general overview of the integumentary system. |
| | | | | II - Describe the function and basic structure of the epidermis. |
| | | | | III - Describe the functions and basic structure of the dermis and hypodermis. |
| | | | | IV - Describe the functions of the accessory structures of the integumentary system. |
| | | | | V - Describe the process of skin repair. |
| | | | | 2.2 Osseous tissue and bone structure |
| | | | | I - Describe the functions of osseous tissue. |
| | | | | II - Describe the histology of osseous tissue. |
| | | | | III - Discuss bone growth and development and describe the |
| 011 | | | DI II EO | AND RECLUATIONS 2024 |

| | | | dynamic nature of bone. |
|--|--|--|---|
| | | | 2.3 Muscle tissue |
| | | | I - Describe the functional anatomy of skeletal muscle. |
| | | | II - Describe the contraction of skeletal muscle. |
| | | | III - Describe the mechanics of muscle contraction and relaxation. |
| | | | IV - Discuss the energetics of muscular activity. |
| | | | V - Discuss muscular performance. |
| | | | 3. Control and regulation |
| | | | 3.1 Neural Tissue |
| | | | I - Neurophysiology: Distinguish between resting (transmembrane), graded and action potentials. |
| | | | II - Synaptic activity: Distinguish between electrical and chemical synapses. |
| | | | III - Relate neurotransmitters and neuromodulators to their functions. |
| | | | 3.2 The spinal cord, spinal nerves and reflexes |

| II - Spinal reflexes: Distinguish between different types of reflexes and explain how they function. 3.3 The brain and cranial nerves (functional anatomy) I - Identify the major landmarks and regions of the brain and identify the ventricles of the brain. II - The medulla oblongata: Identify the nuclei that make up the medulla oblongata and provide the function of each. III - The pons: Locate the pons and describe its functions. IV - The cerebellum: Recognise and describe the functions of the structures that make up the cerebellum. V - The mesencephalon: Identify and describe the functions of the different components of the mesencephalon. VI - The diencephalon: Distinguish | | | | | I - Distinguish between sensory and motor circuits. |
|---|-----|--|--|--|---|
| cranial nerves (functional anatomy) I - Identify the major landmarks and regions of the brain and identify the ventricles of the brain. II - The medulla oblongata: Identify the nuclei that make up the medulla oblongata and provide the function of each. III - The pons: Locate the pons and describe its functions. IV - The cerebellum: Recognise and describe the functions of the structures that make up the cerebellum. V - The mesencephalon: Identify and describe the functions of the different components of the mesencephalon. VI - The diencephalon: Distinguish | | | | | II - Spinal reflexes: Distinguish between different types of reflexes and explain how |
| major landmarks and regions of the brain and identify the ventricles of the brain. II - The medulla oblongata: Identify the nuclei that make up the medulla oblongata and provide the function of each. III - The pons: Locate the pons and describe its functions. IV - The cerebellum: Recognise and describe the function of the structures that make up the cerebellum. V - The mesencephalon: Identify and describe the functions of the different components of the different components of the mesencephalon: VI - The diencephalon: Distinguish | | | | | cranial nerves (functional |
| oblongata: Identify the nuclei that make up the medulla oblongata and provide the function of each. III - The pons: Locate the pons and describe its functions. IV - The cerebellum: Recognise and describe the functions of the structures that make up the cerebellum. V - The mesencephalon: Identify and describe the functions of the different components of the mesencephalon. VI - The diencephalon: Distinguish | | | | | major landmarks and regions of the brain and identify the ventricles of |
| Locate the pons and describe its functions. IV - The cerebellum: Recognise and describe the functions of the structures that make up the cerebellum. V - The mesencephalon: Identify and describe the functions of the different components of the mesencephalon. VI - The diencephalon: Distinguish | | | | | oblongata: Identify the nuclei that make up the medulla oblongata and provide the |
| cerebellum: Recognise and describe the functions of the structures that make up the cerebellum. V - The mesencephalon: Identify and describe the functions of the different components of the mesencephalon. VI - The diencephalon: Distinguish | | | | | Locate the pons and describe its |
| mesencephalon: Identify and describe the functions of the different components of the mesencephalon. VI - The diencephalon: Distinguish | | | | | cerebellum: Recognise and describe the functions of the structures that make up the |
| components of the mesencephalon. VI - The diencephalon: Distinguish | | | | | mesencephalon: Identify and describe the functions of the |
| diencephalon: Distinguish | | | | | components of the |
| 913 RULES AND REGULATIONS 2024 | 913 | | | | diencephalon: Distinguish |

| | | | between the structure and functions of the thalamus and hypothalamus. |
|--|--|--|--|
| | | | VII - The limbic system: Identify and describe the functions of the components of the limbic system. |
| | | | VIII - The cerebrum: Identify the primary sensory, motor and association areas of the brain and relate these to their functions. |
| | | | 3.4 Neural integration: The somatic nervous system |
| | | | I - Identify the receptors for the general senses and explain how they function. |
| | | | 3.5 Neural Integration: The autonomic nervous system |
| | | | I - The sympathetic division: Describe the functions of the sympathetic division of the ANS. |
| | | | II - The parasympathetic division: Describe the functions of the parasympathetic division of the ANS. |

| | | | | 3.6 Special Senses |
|--|--|--|--|--|
| | | | | I – Describe the functional anatomy, mechanisms of transduction and trace the pathways for the senses of smell, taste, sight, hearing and equilibrium. |
| | | | | 3.7 The endocrine system |
| | | | | I - Relate the chemical structure of a hormone to its mechanism of action in the body. |
| | | | | II - Identify the hormones produced by each of the endocrine glands and explain the control of the release of the hormones and their effect on their targets in the body. |
| | | | | III – Perhaps this is a good place to reinforce the role hormones play in homeostasis by using examples of blood pressure, hemopoiesis, Describe ways in which hormones promote body homeostasis by giving examples of hormonal actions. |
| | | | | 4. Fluids and transport |

| | | | | 4.1 Blood |
|--|--|--|--|--|
| | | | | I - Describe the general structure, function, and origin of blood. |
| | | | | II - Discuss the characteristics and functions of plasma. |
| | | | | III - Discuss the anatomy and physiology of red blood cells/erythrocytes. |
| | | | | IV - Discuss the anatomy and physiology of white blood cells/ leukocytes. |
| | | | | V - Discuss the anatomy and physiology of blood platelets/ thrombocytes. |
| | | | | VI - Discuss the physiological basis of blood typing according to the ABO- and Rh systems. |
| | | | | VII - Define haemostasis and review the events that occur during each phase of this process. |
| | | | | 4.2 The Heart |
| | | | | I - Discuss the functional anatomy of the cardiovascular system. |
| | | | | II - Distinguish between the two types of cardiac muscle cells. |

| | | | | | III - Describe the conduction system of the heart. |
|-----|----------|---|---|-------------|---|
| | | | | | IV - Describe the cellular basis of cardiac contractions. |
| | | | | | V - Describe the events of a complete cardiac cycle. |
| | | | | | IV - Describe the cardio-dynamics and discuss how they are regulated. |
| | | | | | 4.3 Blood vessels and circulation and innervation? |
| | | | | | I - Discuss the role of the blood vessels and blood circulation in maintaining adequate tissue perfusion. |
| | | | | | II - Discuss the various mechanisms that regulate the activity of the cardiovascular system. |
| | | | | | III – Basic ECG |
| | | | | | 5. Environmental exchange |
| | | | | | 5.1 The respiratory system |
| | | | | | I - Describe the functional anatomy of the respiratory system. |
| | | | | | II - Discuss the physiology of the respiratory system. |
| 917 | <u> </u> | I | 1 | RULES AND R | EGULATIONS 2024 |

| | | | | III - List the various indicators of respiratory performance and discuss their relevance. |
|--|--|--|--|--|
| | | | | IV - Explain the process of gaseous exchange. |
| | | | | V - Describe the transport of respiratory gases by the blood. |
| | | | | IV - Discuss the control of respiration. |
| | | | | 5.2 The digestive system |
| | | | | I - Describe the general structure and function of the gastrointestinal tract. |
| | | | | II - Describe the structure and functions of the oral cavity, pharynx and oesophagus. |
| | | | | III - Describe the structure and functions of the stomach. |
| | | | | IV - Describe the structure and functions of the small intestine and accessory digestive organs. |
| | | | | V - Describe the structure and functions of the large intestine. |
| | | | | VI - Describe the mechanisms of |

| | | | | digestion and absorption. |
|--|--|--|--|---|
| | | | | 5.3 The urinary system |
| | | | | I - Describe the anatomy and physiology of the urinary system. |
| | | | | II - Explain the principles and processes involved in urine formation. |
| | | | | III - Discuss the process of micturition. |
| | | | | 6. Continuity of life |
| | | | | 6.1 The reproductive system |
| | | | | 6.1.2 The female reproductive system |
| | | | | I - Describe the structure and functions of the ovaries. |
| | | | | II - Describe the structure, histology and functions of the uterine tubes. |
| | | | | III - Describe the structure, histology and functions of the uterus. |
| | | | | IV - Locate and briefly describe the external genitalia of the female. |
| | | | | V - Elucidate on thehormonal control of the female reproductive function. |

| Practice | PME01A | 100% | 0% | 8 | 20 | The purpose of | Discuss the scope |
|-------------|--------|------|----|---|----|----------------------------------|-----------------------|
| Management | 4 | | | | | this module is | of practice and |
| and Applied | | | | | | that learners | ethical rules |
| Ethics 4 | | | | | | should be able to | concerning |
| | | | | | | understand the scope of practice | Biokinetics. |
| | | | | | | of a biokineticist, | Compile a |
| | | | | | | discuss the | business plan for |
| | | | | | | different business | setting up a |
| | | | | | | models used in | practice. |
| | | | | | | the South African | • |
| | | | | | | context, and have | Discuss different |
| | | | | | | a thorough | business models |
| | | | | | | understanding of | |
| | | | | | | the different | • |
| | | | | | | health policies, | economic models |
| | | | | | | health systems | |
| | | | | | | and structures related to | countries to |
| | | | | | | related to biokinetics. The | contexts in South |
| | | | | | | learner should be | Africa. |
| | | | | | | able to apply | Construct a |
| | | | | | | ethical conduct, | marketing plan for |
| | | | | | | understand the | a Biokinetics |
| | | | | | | financial aspects | practice. |
| | | | | | | of running a | |
| | | | | | | biokinetics | Discuss the |
| | | | | | | practice and | different health |
| | | | | | | demonstrate the | policies, health |
| | | | | | | knowledge of | systems and |
| | | | | | | basic | structures, capacity |
| | | | | | | management functions. | building and |
| | | | | | | idilotions. | interdisciplinary |
| | | | | | | | healthcare as |
| | | | | | | | required in South |
| | | | | | | | African legislation. |
| | | | | | | | Apply ethical billing |
| | | | | | | | by using the |
| | | | | | | | correct diagnostic |
| | | | | | | | and treatment |
| | | | | | | | codes for |
| | | | | | | | Biokinetics. |
| | | | | | | | Discuss the |
| | | | | | | | physical layout of a |
| | | | | | | | Biokinetics facility, |
| | | | | | | | the management |
| | | | | | | | and maintenance |
| | | | | | | | of the equipment |
| | | | | | | | and apply |
| | | | | | | | appropriate safety |
| | 1 | | | | | | appropriate salety |

| | | | | | | | principles throughout. Apply strategic planning skills and knowledge in a biokinetics context. Discuss the most important financial aspects of establishing and running a Biokinetics practice. Reflect on human resources and supervision/mentori ng of individuals, teams and |
|--|-------------|------|----|---|----|---|---|
| | | | | | | | teams and subordinates within the value system of the profession. Demonstrate knowledge of the basic management functions and competencies in different biokinetic practice/health care facility contexts. Reflect on entrepreneurial skills required for establishing of a Biokinetics |
| Perceptual Motor Learning and Control 2B | PML01B 2 | 100% | 0% | 6 | 10 | The purpose of this module is to analyse motor development across the life span from infancy through older adulthood. Movement patterns and their developmental sequences, and | Describe the theories associated with motor development and identify the basic tools used by researchers in motor development. |

| | | | the underlyi mechanisms the | - |
|--|--|--|-----------------------------|------------------------|
| | | | are related | to and stability that |
| | | | changes in the | |
| | | | ~ | iodia to promotorit |
| | | | • | motor performance |
| | | | processes | of |
| | | | acquiring ne | w skilled performers |
| | | | . • | nd take advantage of l |
| | | | movement | these principles. |
| | | | patterns and the | Describe the |
| | | | correction | of course of body |
| | | | faulty moveme | |
| | | | patterns will be | over the life span, |
| | | | addressed. | review the role of |
| | | | Learning will | genes during early |
| | | | facilitated w | ini |
| | | | class discussio | ns physical growth |
| | | | and example | lidentifi, typical |
| | | | this will allow t | nottorno of arouth |
| | | | learner | to patterns of growth |
| | | | implement the | |
| | | | in real-life. | individual |
| | | | | differences in the |
| | | | | timing of growth, |
| | | | | and distinguish |
| | | | | between growth |
| | | | | and maturation. |
| | | | | Consider the |
| | | | | individual, |
| | | | | environmental, and |
| | | | | task constraints |
| | | | | interacting during |
| | | | | infancy and |
| | | | | describe how both |
| | | | | |
| | | | | |
| | | | | environmental |
| | | | | constraints can |
| | | | | have a profound |
| | | | | effect on the |
| | | | | emergence of |
| | | | | motor skills. |
| | | | | Define the concept |
| | | | | of locomotion in |
| | | | | humans, describe |
| | | | | the types of |
| | | | | locomotion and |
| | | | | discuss the |
| | | | | development of |
| | | | | 22.2.00 |

| | | | | | | | specific locomotor patterns. Identify developmental changes in throwing, kicking, punting, and striking movements. |
|---|-------------|------|----|---|----|---|--|
| | | | | | | | Discuss developmental changes in the vision, audition, and kinaesthetic systems that occur with aging. |
| | | | | | | | Discuss the role of sociocultural constraints in motor development and define the role of specific social agents, such as parents and schools, in individual development. |
| | | | | | | | Explain the relationship between social influences and an individual's feeling of self-esteem and discuss the effect of self-esteem on motivation to participate in sport and physical activity. |
| Psycho-Social Aspects of Physical Activity | PSA01B 1 | 100% | 0% | 5 | 15 | The purpose of this module is to acquire the knowledge of various theories utilized within psychology and sociology, and how these theories and | 1.List important foundational theories about psychology and sociology and explain how they are linked to Biokinetics |

| | | | | | | human behavior impact on physical activity. The module also focus on the wellness aspect and related physical activity performance. | 2. Explore the human psyche and health behaviour, health promotion (wellness), human functioning and performance 3. Describe basic motivational and interviewing skills used within a therapeutic or Biokinetics context |
|-------------------------|-------------|------|----|---|----|---|--|
| | | | | | | | 4. Describe the role of negative psycho-social factors on an individual in terms of therapeutic exercise adherence |
| | | | | | | | 5. Explain the psycho-social stratification within the South African community |
| | | | | | | | 6. List and explain the different phases of grief following a catastrophic life event |
| | | | | | | | 7. Describe selected coping strategies related to trauma, pain and loss |
| | | | | | | | 8. Explain the long- term effects of stress/distress on health and wellness |
| | | | | | | | 9. Discuss diversity in terms of culture, gender, income. |
| Research Methodology | RME01A 3 | 100% | 0% | 7 | 15 | This module is aimed at encouraging the student to | Describe and apply the scientific method. |
| 924 | | | | | | DI II ES AND D | EGULATIONS 2024 |

| | | | | | | conduct research by giving them the required knowledge of specific approaches and methods (qualitative and quantitative) and skills employed in applied research. | Explain the terminology used in research and source academic publications. Identify components of a literature review and analyse published research. Describe and discuss qualitative, quantitative and mixed-methods approaches to research. Contrast a range of research designs and methods in terms of their strengths and weaknesses. |
|---------------------------|--------|------|----|---|----|--|--|
| Therapeutic Recreation 1B | TPR01B | 100% | 0% | 5 | 15 | The purpose of this module is to provide an overview of therapeutic recreation and its position within Biokinetics. Included in the module is the assessment and exercise prescription within therapeutic recreation for special populations and to inform on the processes to utilise to overcome barriers within this context. | 1. Explain the historical development of therapeutic recreation 2. Describe selected evidence-based models and approaches to therapeutic recreation 3. Explain assessment and documentation in therapeutic recreation 4. Perform basic assessments in the context of therapeutic recreation |

| | | | | | | | 5. Develop a therapeutic intervention program for apparently healthy and for different special populations (e.g. obese patients) |
|----------------------------|---------|------|----|---|----|--|---|
| | | | | | | | 6. Explain basic concepts of leisure education and how to eliminate barriers to participation |
| | | | | | | | 7. Describe how adherence to therapeutic exercise could be facilitated from a behaviour change perspective |
| | | | | | | | 8. Participate in at least one therapeutic recreation program and reflect on your experiences |
| | | | | | | | 9. Describe the different dynamics at play for group therapy vs individual rehabilitation |
| Work Integrated Learning 1 | WIL01Y1 | 100% | 0% | 5 | 10 | The purpose of this module is to learn practical clinical skills in the following field: Wellness, Orthopaedic Conditions, and Chronic Conditions. Learners should learn clinical skills in assessment techniques, intervention strategies and the | 1. Document a minimum of 100 hours of clinical observation and the prescribed number of skills and patient case studies in a portfolio of evidence 2. Obtain written proof for the hours worked (signed log sheet) |
| 026 | | | • | • | | DI II EQ AND D | |

| | | | | | | re-assessment of patients. | 3. Observe or participate in screening, assessments and exercise prescription for apparently healthy and low-risk individuals and groups |
|----------------------------------|---------|------|----|---|----|--|---|
| | | | | | | | 4. Assist with administrative duties and observe practice management strategies (e.g. patient bookings, admin and referrals,) |
| | | | | | | | 5. Demonstrate professional behaviour during clinical rotations |
| | | | | | | | 6. Reflect on your experiences by writing a summary report; comment on positive and negative experiences, what you learned and any ethical dilemmas you experienced |
| | | | | | | | 7. Complete Basic Life Support Level 1 certification |
| Work Integrated Learning 2 | WIL01Y2 | 100% | 0% | 6 | 10 | The purpose of this module is to learn practical clinical skills in the following fields of biokinetics: Wellness, Orthopaedic Conditions, and Chronic Conditions. Learners should | Document a minimum of 100 hours of clinical observations and the prescribed number of skills and patient case studies in a portfolio of evidence. Obtain written proof for the hours |
| 927 | | | | | | learn clinical skills | EGULATIONS 2024 |

| | | | | | | in assessment techniques, intervention strategies and the re-assessment of patients. | worked (signed log sheet). Participate in screening, assessments and exercise prescription for apparently healthy low-risk individuals and groups, as well as for moderate-risk individuals or |
|----------------------------------|---------|------|----|---|----|--|---|
| | | | | | | | groups. Assist with administrative duties and observe practice management strategies (e.g. patient bookings, admin and referrals,) |
| | | | | | | | Demonstrate professional behaviour during clinical rotations. |
| | | | | | | | Reflect on your experiences by writing a summary report; comment on positive and negative experiences, what you learned and any ethical dilemmas you experienced. |
| Work Integrated Learning 3 | WIL01Y3 | 100% | 0% | 7 | 35 | The purpose of this module is to learn practical clinical skills in the following fields of biokinetics: Wellness, Orthopaedic Conditions, and Chronic Conditions. | Document a minimum of 350 hours of clinical observations and the prescribed number of skills and patient case studies in a portfolio of evidence completed at UJ |

| assessments and exercise programmes for apparently healthy individuals and low-risk to moderate-risk patients, and critically reflect on their experiences. Description of the worked (some sheet) of the worke | ritten proof e hours signed log screening, ents and ions for ly healthy low-risk ls and for e-risk |
|--|--|
| screening, assessments and exercise programmes for apparently healthy individuals and low-risk to moderate-risk patients, and critically reflect on their experiences. Screening, assessments and exercise programmes for apparently healthy individuals and critically reflect on their experiences. Gobtain wr for the worked (s sheet). Perform s assessments and exercise prescriptic apparentl and individual groups, individual groups | e hours signed log screening, ents and ions for ly healthy low-risk ls and for e-risk |
| healthy individuals and low-risk to moderate-risk patients, and critically reflect on their experiences. healthy individuals and low-risk to moderate-risk patients, and critically reflect on their individuals experiences. groups, moderate individuals groups, individuals groups | ents and ions for ly healthy low-risk ls and for e-risk |
| their individuals experiences. groups, moderate individuals groups, individuals groups | for e-risk |
| common, pathologie supervisio | for ls or with , isolated ies; under |
| Assist administra duties an managem | with rative and practice ment (e.g. bookings, and |
| Demonstr profession behaviour clinical ro | onal ır during |
| your exby wr summary comment positive negative experience | t on and |
| any dilemmas experience | ethical s you |

| Work | WIL01Y4 | 100% | 0% | 8 | 45 | The purpose of | Document a |
|------------|-----------|-------|------|---|----|--------------------|-----------------------|
| Integrated | ********* | 10070 | 0 70 | | .0 | this module is to | minimum of 450 |
| Learning 4 | | | | | | learn practical | hours of clinical |
| Loaning + | | | | | | clinical skills in | |
| | | | | | | | observations and |
| | | | | | | the following | the prescribed |
| | | | | | | fields of | number of skills |
| | | | | | | biokinetics: | and patient case |
| | | | | | | Wellness, | studies in a |
| | | | | | | Orthopaedic | portfolio of |
| | | | | | | Conditions, and | • |
| | | | | | | Chronic | evidence. |
| | | | | | | Conditions. | Obtain written proof |
| | | | | | | Learners should | for the hours |
| | | | | | | be able to | |
| | | | | | | perform | worked (signed log |
| | | | | | | independent | sheet) with a |
| | | | | | | screening, | portfolio of |
| | | | | | | assessments and | evidence. |
| | | | | | | | |
| | | | | | | exercise | Participate in the |
| | | | | | | prescription for | clinical field of |
| | | | | | | apparently | Biokinetics through |
| | | | | | | healthy | observation, |
| | | | | | | individuals and | participation and |
| | | | | | | low-risk to | workplace-based |
| | | | | | | moderate-risk | learning. |
| | | | | | | patients, patients | learning. |
| | | | | | | with isolated | Perform |
| | | | | | | pathologies, | independent |
| | | | | | | multiple | • |
| | | | | | | pathologies and | screenings, |
| | | | | | | special | assessments and |
| | | | | | | populations and | exercise |
| | | | | | | critically reflect | prescriptions for |
| | | | | | | on their | apparently healthy |
| | | | | | | experiences. | and low-risk |
| | | | | | | ехрепенсез. | individuals and |
| | | | | | | | groups, for |
| | | | | | | | moderate-risk |
| | | | | | | | |
| | | | | | | | individuals or |
| | | | | | | | groups and for |
| | | | | | | | individuals or |
| | | | | | | | groups with |
| | | | | | | | common, isolated |
| | | | | | | | pathologies and for |
| | | | | | | | high-risk individuals |
| | | | | | | | _ |
| | | | | | | | 3 1 / |
| | | | | | | | individuals or |
| | | | | | | | groups with |
| | | | | | | | complicated, |
| | | | | | | | multiple |
| | | | | | | | pathologies, and for |
| | | | | | | | special |
| | | | | | | | - |
| | | | | | | | populations; under |

| | | supervision as and |
|--|--|-------------------------------------|
| | | when required. |
| | | Assist with |
| | | administrative |
| | | duties and practice |
| | | management |
| | | strategies (e.g. |
| | | patient bookings, |
| | | admin and |
| | | referrals,) |
| | | Reflect on your |
| | | experiences by |
| | | writing a summary |
| | | report; comment on |
| | | positive and |
| | | negative |
| | | experiences, what |
| | | has been learned and any ethical |
| | | dilemmas that have |
| | | been experienced. |
| | | • |
| | | Practice application of theoretical |
| | | knowledge, values |
| | | and behaviours in |
| | | the field of |
| | | Biokinetics. |
| | | Demonstrate |
| | | ethical behaviour |
| | | and adherence to |
| | | the Biokinetics |
| | | scope of practice. |
| | | |

BACHELOR OF COMMERCE HONOURS IN SPORT MANAGEMENT (H9S05Q) BACHELOR OF ARTS HONOURS IN SPORT SCIENCE (H9S03Q)

| Name | Code | SM Weight | EM Weight | Level | Credits | Purpose | Outcome |
|------------------------|---------|--------------|--------------|-------|---------|--|--------------------------------------|
| Exercise Physiology | HMS8X08 | 100% | 0% | 8 | 18 | The purpose of this module is to acquire | Learners should develop intellectual |
| Filysiology | | | | | | knowledge and | competencies in |
| | | | | | | develop your | the analysis, |
| | | | | | | understanding and | interpretation and |
| | | | | | | intellectual | application of |
| | | | | | | competencies of | physiological |
| | | | | | | relevant physiological | principles in the |

| | | | | | | theories, principles and concepts relevant to the sport phenomenon. | fitness and health-, coaching and teaching sectors of the sport industry. |
|---|---------|------|----|---|----|--|---|
| Exercise Science | HMS8X09 | 100% | 0% | 8 | 18 | The purpose of this module is to acquire knowledge and develop your understanding and intellectual competencies of relevant exercise science theories, principles and concepts relevant to the sport phenomenon. | Learners should develop intellectual competencies and practical skills in the analysis, interpretation, and application of exercise science principles in the fitness and health-, coaching and teaching sectors of the sport industry. |
| Facility and Event Management | HMS8X12 | 100% | 0% | 8 | 15 | To obtain relevant knowledge, skills, competencies and attitudes in the development and management of sport facilities. | Learners should be able to debate factors that should be concerned in the development of a sport facility; Describe and analyse the different systems and operational aspects of a sport facility. Develop an event management plan at a sport facility; Argue the components of an effective facility administration system; and to design a risk plan as well as a monitoring and evaluation system for a sport facility. |
| Human Resource Management in Sport | HMS8X13 | 100% | 0% | 8 | 12 | To obtain relevant knowledge, skills, competencies, and attitudes in the management of human resources in sport. | Learners should be able to discuss and argue the different human resources in the sport industry; Debate the roles of volunteers and volunteerism in sport; Apply leadership and motivational |

| | | | | | | | theories in the sport context; Position the human resources environment within the legislative environment in South Africa; and to apply the concepts of talent identification, recruitment, induction, and remuneration within the context of sport. |
|-------------------------|---------|------|----|---|----|--|--|
| Research Methodology | HMS8X03 | 100% | 0% | 8 | 30 | This module is aimed at encouraging the student to conduct research by giving them the required knowledge of specific approaches and methods (qualitative and quantitative) and skills employed in applied research. | Learners should be able to describe and debate the principles underpinning a successful research proposal; Apply techniques when searching and reading scientific literature; Differentiate and apply principles of quantitative and qualitative research methods. |
| | | | | | | | Discuss the importance and implications of research ethics. |
| | | | | | | | Formulate and conduct sound research presentations using PowerPoint slides; Perform data analysis in various methodologies; and debate the concepts of a null hypothesis, alternative hypothesis, type I error and type II error. |

| Sport Finance | HMS8X15 | 100% | 0% | 8 | 12 | To obtain relevant knowledge, skills, competencies, and attitudes in the management of financial resources in the sport industry. | Learners should be able to develop and analyse financial statements; Develop strategies for financing sport organisations and/or initiatives; Describe and develop the time value of money; and compile and analyse budgets, including current and capital budgets. |
|---------------------------------|---------|------|----|---|----|---|--|
| Sport Management Practice | HMS8X16 | 100% | 0% | 8 | 18 | To obtain relevant knowledge, skills, competencies, and attitudes in the practice of the management of sport. | Learners should be able to experience sport environments that relates to the theoretical training of the programme; Apply theoretical knowledge in a practical sport situation; Shadow experienced sport managers in different sport contexts; Engage in discussions with peers on the practical application of learned theory; and reflect on the practical environment of a sport manager. |
| Sport Marketing | HMS8X14 | 100% | 0% | 8 | 12 | To obtain relevant knowledge, skills, competencies, and attitudes in the marketing of and through sport. | Learners should be able to develop a marketing plan for a sports organisation and/or project; Assess and evaluate the effects of a marketing plan in sport and recreation environments; Distinguish between marketing |

| | | | | | | | of sport and marketing through sport; and describe and debate disciplines and practices of Sport Marketing in a holistic context of marketing |
|------------------------------|---------|------|----|---|----|---|---|
| Sport Psychology | HMS8X10 | 100% | 0% | 8 | 12 | The purpose of this module is to introduce students to the basic tenants of sport psychology including psychological readiness for peak performance (including competition and training), social facilitation, stress, anxiety and motivation as interventions for performance. Students will also examine antidoping and mental toughness in sport. | Learners should understand the major sport psychological themes, the psychology of peak performance, talent detection and development, exercise psychology, intervention strategies for exercise adherence, drug abuse in sport, and career termination/transiti on in sport. |
| Sport Science Practice | HMS8X11 | 100% | 0% | 8 | 30 | The purpose of this module is to acquire the knowledge needed to diligently conduct measurement and evaluation techniques in sport with the comprehensive application of exercise science theories, principles and concepts to the result findings. The programme serves to develop your understanding and integration of theory into tangible application within a sporting context. | Students should be able to apply knowledge on and conduct measurement and evaluation techniques in sport with the comprehensive application of exercise science theories, principles and concepts to the result findings. |

| Sport | HMS8X17 | 100% | 0% | 8 | 12 | To obtain relevant | Learners should be |
|--------------------|---------|------|----|---|----|--|--|
| Sport Sociology | HMS8X17 | 100% | 0% | 8 | 12 | To obtain relevant knowledge, skills, competencies, and attitudes in the context of sport related to sport in society, politics, gender, race, ability, commercialization, and different models in sport. | Learners should be able to reflect on the value of the study of sport in society within the context of production; Argue the theoretical approaches to different issues in sport and society — |
| | | | | | | | politics of sport, sport nationalism and national identity, economy in sport and its relationship with transnational companies, sponsorships and commercialization; Debate the reciprocal role of the media in sport within the global context; Explain sport related violence in the context of society utilizing case studies; and distinguish between the sport+ and +sport models. |
| Sport Vision | HMS8X19 | 100% | 0% | 8 | 15 | After completion of this module learners should be able to recognise and differentiate the various visual-perceptual and visual-motor abilities. They should be able to appreciate interrelationships of ocular and motor systems and recognise and identify underlying systemic deficiencies on the basis of their visual manifestations. From this they should | Learners will be capable of independently demonstrating: The identification of visually related problems in sport and promote solving by improving visual requirements in sport. Work effectively with all stakeholders to promote effective vision in sport. Designing, |

| | | | |
|------|-------|---|------------------------------------|
| | | be able to design and implement different | organizing and managing |
| | | visual enhancement | interventions in |
| | | programs. | practice as well as |
| | | programe. | in the community. |
| | | | · |
| | | | Skills as a |
| | | | consultant who can |
| | | | integrate scientific |
| | | | knowledge with |
| | | | clinical insight to |
| | | | diagnose and |
| | | | manage visual- motor disorders. |
| | | | motor disorders. |
| | | | Communication |
| | | | skills in effectively |
| | | | improving visual |
| | | | aspects involved in |
| | | | sport. |
| | | | The use of science |
| | | | and technology |
| | | | effectively for |
| | | | promoting the |
| | | | assessment and |
| | | | visual |
| | | | enhancement of |
| | | | participants in |
| | | | sport. |
| | | | Reflecting on and |
| | | | exploring various |
| | | | strategies in the |
| | | | practice, fieldwork, |
| | | | internet, and other |
| | | | sources, to learn |
| | | | more effectively. |
| | | | • |
| | | | A contribution to a full range of |
| | | | full range of opportunities in the |
| | | | sports science |
| | | | environment. |
| | | | O. WILOTHIOTIC. |
| | · | | |

| - · · | 1.0.4000///2 | 10001 | 00/ | | 1.0 | <u> </u> |
|------------|--------------|-------|-----|---|-----|--|
| Strategic | HMS8X18 | 100% | 0% | 8 | 12 | To obtain relevant Learners should be |
| Management | | | | | | knowledge, skills, able to develop and |
| in Sport | | | | | | competencies, and analyse strategic |
| | | | | | | attitudes in the approaches in sport |
| | | | | | | strategic organisations; A |
| | | | | | | management of argue the |
| | | | | | | sport. relationship |
| | | | | | | between the |
| | | | | | | strategy, vision, |
| | | | | | | mission, core |
| | | | | | | values of the |
| | | | | | | strategic plan of a |
| | | | | | | sport organisation; |
| | | | | | | Complete an |
| | | | | | | environmental |
| | | | | | | scanning and |
| | | | | | | analysis as basis |
| | | | | | | for a strategic |
| | | | | | | analysis of a sport |
| | | | | | | organisation; |
| | | | | | | Debate and discuss |
| | | | | | | the value and |
| | | | | | | proposition of |
| | | | | | | managing change |
| | | | | | | in a sport |
| | | | | | | organisation, |
| | | | | | | utilizing examples |
| | | | | | | from the recent |
| | | | | | | decade; and to |
| | | | | | | distinguish |
| | | | | | | between leadership |
| | | | | | | and organizational |
| | | | | | | culture. |
| | | | | | | Culture. |