

JOHANNESBURG BUSINESS SCHOOL

BCom Honours (Transport Economics)

Department of Transport and Supply Chain Management

2019





BCOM HONOURS (TRANSPORT ECONOMICS)

PROGRAMME CO-ORDINATION

DEPARTMENTAL CHAIRPERSON

Prof J Walters • 011 559 2088 • D Ring 7, APK • jwalters@uj.ac.za

PROGRAMME MANAGERS

Mrs E Kriel • 011 559 2084 • D Ring 7, APK • ekriel@uj.ac.za

Dr R Luke • 011 559 4951 • D Ring 7, APK • rluke@uj.ac.za

PROGRAMME CO-ORDINATOR

Ms A Kasoojee • 011 559 2464 • D Ring 721, APK • adeelak@uj.ac.za

ENQUIRIES: COLLEGE

Mr I Seeletse • 011 559 2725/3919

A Ring 1, APK • iseeletse@uj.ac.za

ENQUIRIES: FINANCE

Mrs K Mayane-Dlangamandla • 011 559 3875

A Ring 1, APK • koketsom@uj.ac.za

Department of Transport and Supply Chain Management

College for Business and Economics (CBE)

Johannesburg Business School (JBS)

University of Johannesburg, Auckland Park Kingsway Campus (APK)

PO Box 524 Auckland Park 2006 • Fax 011 559 2806

Applications will be accepted until October of each year.

1. GENERAL

The Department of Transport and Supply Chain Management offers training in two fields for the degree:

- **BCom Honours (Logistics Management)**
- **BCom Honours (Transport Economics)**

After completion of an honours degree, advanced study may be undertaken in one of the following:

- **MCom / MPhil** (with the same endorsement as for honours).
This is a dissertation on an approved subject under leadership of a study leader.
- A course based **MCom with specialisation in Supply Chain Management** is offered in the College.

The Department also provides the opportunity to obtain DCom and DPhil degrees in Logistics Management or Transport Economics, in which research is undertaken under guidance of a study leader appointed by the department.

2. COMPOSITION OF THE PROGRAMME

The Honours programme has 21 modules. A learner should do at least 11. A particular programme is assembled according to certain requirements. A number of compulsory modules are included in each programme and in some instances it is prescribed that modules or combinations of modules, must be completed in a specified order. The reason for this is to ensure the necessary frame of reference before continuing with the next modules.

The composition of the various modules are set out in paragraph 10. The nature of the various modules indicates a certain measure of flexibility, which inter alia manifests itself in the format of a task or assignment.

Lectures are all “after hours” depending on the choice of course.

Lectures start at 17:10 – 18:45 and 18:50 – 21:15. Tests and exams are written during the day.

3. METHOD OF PRESENTATION

The following is valid for each of the modules:

Class discussions: at least seven meetings per module, following a set timetable.

Test: a written test of at least three hours, following a pre set timetable.

Task or assignment: varies from module to module.

Examination: a written paper of three hours during the official university examinations, following a pre set timetable.

4. SUCCESS CRITERIA

The pass mark for each module is 50%. The degree is awarded cum laude if the average mark of the 11 modules is at least 75%. The mark for each module consists of two equally weighted components, viz. the examination mark and the semester mark. A minimum semester mark of 40% is required for entry to the exam. The semester mark of each module is comprised of the test and the task/assignment, and also other possible components, and is elucidated in the learner guide for each module. The year module of Research Project has calculation criteria based on continuous assessment, the outcomes of which are stipulated in the learner guide for the module.

5. ENTRANCE REQUIREMENTS

Please be advised that all applications are subject to a screening process. Applicants will be advised if they have been accepted.

The following minimum admission requirements apply for BCom Honours (Transport Economics)

- (a) BCom Logistics Management degree (with specialisation in Transport Economics with a 60% final year average.

OR

- (b) BTech (Transport Management) with a 65% final year average.

OR

- (c) Any other BCom with a major with comparable content, and as far as is necessary, complemented by an entrance examination
- (d) Please be advised that academic performance in past qualifications will be taken into consideration.

AND

- (e) Adequate English language proficiency.
- (f) Learners who did not follow the standard prescribed courses during their undergraduate studies and who wish in the meantime to change their speciality field may be requested to complete additional modules, once evaluated.

In the case of the before mentioned, the programme co-ordinators determine the necessity for entrance examinations in consultation with the departmental chairman for each prospective learner, taking into account academic background and performance, together with the practical experience of the prospective learner. If applicable, a candidate will be informed about this.

Admission to study is no guarantee of the successful completion of the programme. At the end of each semester each learner's continuation of studies is judged on the basis of the performance during the preceding examination.

6. STUDENTS FROM OTHER UNIVERSITIES

All learners who attained their B degree at another university (or who have not been enrolled at the University of Johannesburg for more than 1 year) must complete the University of Johannesburg application form. The following must be included:

- A certified copy of the qualification (if already completed).
- A certified copy of an official academic record issued by the university.
- A statement from the university (or academic department) in respect of the content matter of subject courses that are indicated as pre-requisites e.g. Business Management 2A; Business Management 2B.
- Certified copies of identity documents/passports.
- SAQA verification for international students.

7. FURTHER INQUIRIES

Further information and general inquiries may be addressed to the programme co-ordinator.

8. MODULES IN BCOM HONOURS TRANSPORT ECONOMICS

The department reserves the right not to offer specific modules in a given year if insufficient demand exists for such modules.

FULL-TIME CURRICULUM

MODULE INFORMATION **FIRST YEAR**

FIRST SEMESTER

MODULES	CODE	NQF CREDITS
TRANSPORT AND LAND USE PLANNING	TRE8X03	12
TRANSPORT POLICY FORMULATION AND INSTRUMENTS	TRE8X01	12
THREE OF THE FOLLOWING (if a first semester module is taken, the matching second semester module is compulsory)		
CORE ASPECTS OF LOGISTICS MANAGEMENT	LMA8X01	12
INTRODUCTION TO AVIATION AND REGULATION	TRE8X13	12
INTRODUCTION TO SHIPPING AND MARITIME REGULATION	TRE8X11	12
PUBLIC PASSENGER TRANSPORT ISSUES	TRE8X05	12
RAIL TRANSPORT MANAGEMENT	TRE8X07	12
ROAD FREIGHT TRANSPORT MANAGEMENT	TRE8X09	12
HUMANITARIAN LOGISTICS FRAMEWORK	LMA8X07	12
LOGISTICS DECISION SUPPORT SYSTEMS	LMA8X03	12
NUMBER OF MODULES	6 SEMESTER MODULES	

MODULE INFORMATION **FIRST YEAR**
SECOND SEMESTER

MODULE	CODE	NQF CREDITS
INFRASTRUCTURE STUDIES	TRE8X04	12
NATIONAL AND INTERNATIONAL TRANSPORT POLICY	TRE8X02	12
THREE OF THE FOLLOWING (If a first semester module is taken, the matching second semester module is compulsory)		
AIRLINES AND AIRPORTS	TRE8X14	12
RAIL TRANSPORT ISSUES	TRE8X08	12
REGULATION OF PUBLIC PASSENGER TRANSPORT	TRE8X06	12
ROAD TRANSPORT COSTING AND DISTRIBUTION	TRE8X10	12
SHIPPING AND HARBOURS	TRE8X12	12
SUPPLY CHAIN MANAGEMENT	LMA8X02	12
HUMANITARIAN LOGISTICS RESPONSE	LMA8X08	12
LOGISTICS PROJECT MANAGEMENT	LMA8X05	12
NUMBER OF MODULES	5 SEMESTER MODULES	

YEAR MODULE

MODULE	CODE	NQF CREDITS
RESEARCH PROJECT: TRANSPORT MANAGEMENT	TRE8X15	30
NUMBER OF MODULES	1 YEAR MODULE	

PART-TIME CURRICULUM**MODULE INFORMATION FIRST YEAR****FIRST SEMESTER**

MODULES	CODE	NQF CREDITS
TRANSPORT AND LAND USE PLANNING	TRE8X03	12
TRANSPORT POLICY FORMULATION AND INSTRUMENTS	TRE8X01	12
NUMBER OF MODULES	2 SEMESTER MODULES	

SECOND SEMESTER

MODULES	CODE	NQF CREDITS
INFRASTRUCTURE STUDIES	TRE8X04	12
NATIONAL AND INTERNATIONAL TRANSPORT POLICY	TRE8X02	12
NUMBER OF MODULES	2 SEMESTER MODULES	

YEAR MODULE

MODULE	CODE	NQF CREDITS
RESEARCH PROJECT: TRANSPORT MANAGEMENT	TRE8X15	30
NUMBER OF MODULES	1 YEAR MODULE	

MODULE INFORMATION **SECOND YEAR**
FIRST SEMESTER

MODULES	CODE	NQF CREDITS
THREE OF THE FOLLOWING (If a first semester module is taken, the matching second semester module is compulsory)		
CORE ASPECTS OF LOGISTICS MANAGEMENT	LMA8X01	12
INTRODUCTION TO AVIATION AND REGULATION	TRE8X13	12
INTRODUCTION TO SHIPPING AND MARITIME REGULATION	TRE8X11	12
PUBLIC PASSENGER TRANSPORT ISSUES	TRE8X05	12
RAIL TRANSPORT MANAGEMENT	TRE8X07	12
ROAD FREIGHT TRANSPORT MANAGEMENT	TRE8X09	12
HUMANITARIAN LOGISTICS FRAMEWORK	LMA8X07	12
LOGISTICS DECISION SUPPORT SYSTEMS	LMA8X03	12
NUMBER OF MODULES	3 SEMESTER MODULES	

MODULE INFORMATION **SECOND YEAR**

SECOND SEMESTER

MODULES	CODE	NQF CREDITS
THREE OF THE FOLLOWING (If a first semester module is taken, the matching second semester module is compulsory)		
AIRLINES AND AIRPORTS	TRE8X14	12
RAIL TRANSPORT ISSUES	TRE8X08	12
REGULATION OF PUBLIC PASSENGER TRANSPORT	TRE8X06	12
ROAD TRANSPORT COSTING AND DISTRIBUTION	TRE8X10	12
SHIPPING AND HARBOURS	TRE8X12	12
SUPPLY CHAIN MANAGEMENT	LMA8X02	12
HUMANITARIAN LOGISTICS RESPONSE	LMA8X08	12
LOGISTICS PROJECT MANAGEMENT	LMA8X05	12
NUMBER OF MODULES	3 SEMESTER MODULES	

9. CONTENT

Core Aspects of Logistics Management

This module approaches the topic of logistics management from a managerial perspective and covers core logistics concepts in a format that is useful for management decision making. These concepts are examined in light of how they interrelate and interface with other functions of business enterprises. The following study units are covered: Logistics' role in the Economy and the Organisation, Supply Chain Management, Customer Service, Global Logistics, Organising for Effective Logistics, Financial Control of Logistics Performance, Measuring and Selling the Value of Logistics, Logistics Risk Management and the Strategic Logistics Plan.

Supply Chain Management

The purpose of this module is to develop highly specialised applied competence enabling students to critically analyse and explain the principles and importance of supply chain management. To create an understanding of the way supply chain management impacts all areas of the business organisation and how businesses can improve their competitive positions by employing supply chain practices. The following topics are covered: Understanding supply chain management and related concepts, supply chain management vs. logistics management, supply chain business processes, supply chain models, supply chain structures, purchasing issues in supply chain management, operations issues in supply chain management, distribution issues in supply chain management and co-ordination and technology in the supply chain.

Transport Policy Formulation and Instruments

The purpose of this course is to provide the learner with an in-depth understanding of the nature of transport policy, its importance within the context of the national economy, the steps in the policy formulation process and the instruments available to policy makers. Topics include: The nature of public policy. Steps in the policy formulation process. Defining the public interest. Interest and pressure groups. The political-technical relationship in policy making. Policy analysis and decision frameworks. Identifying objectives. Proposing alternatives and making recommendations. Evaluating performance. Supporting documentation includes: The Moving South Africa Strategy. The White Paper on National Transport policy. SADC Protocol and NEPAD strategy. Isotope Report, Implementation of White Papers and Policies, etc.

Transport and Land Use Planning

The purpose of the transport and land-use planning module is to equip participants with a sound theoretical and practical knowledge of the major aspects of Transport and Land-use Planning. On completion of this module, the participant should be able to apply the transport and land-use planning theories, approaches and practices. Participants will learn how to interpret and apply the current relevant transportation policy, legislation, guidelines and requirements on a specialised level. This module further touches on some of the more technical aspects of the transport planning process, particularly with respect to the gathering of Origin-Destination data and Transport Demand Modelling. The purpose of the infrastructure studies module is to equip participants with a sound theoretical and practical knowledge of the major aspects of Transport Infrastructure. On completion of this module, the participant should be able to explain the outcomes, principles, theories,

approaches and practices, related to infrastructure, as well as some of the more technical aspects and processes.

Research Project

The purpose of the module is for students to understand the rationale for research and to gain skills in undertaking field research. The module culminates in the submission of a scientifically correct and academically sound research proposal. This module covers the following topics: UJ Library orientation (workshop), ethical considerations in research, an introduction to Social Sciences research, research proposal workshop, quantitative research methods, qualitative research methods, quantitative data analysis and presentation (workshop) and qualitative data analysis.

Road Freight

The purpose of the course is to familiarise the learner with all aspects relating to road freight transport and its role in the national economy. Topics include: The extent of road freight transport. Modal characteristics and inherent advantages. Intermodalism – opportunities and developments. Intermodal technology – Door-to-door logistics. Practical road/rail interface. Policy recommendations – the White Paper on Transport. History, evaluation and current status of road transport and legislation. The RTQS. Law enforcement and management. Role of public and private sector in road freight transport. Types of carrier ownership. Own transport vs. for-hire transport. Transport planning. Routing and vehicle utilisation. Vehicle specification and design. Legislation on hazardous products and abnormal loads. Costing and pricing of transport.

Rail Transport

The purpose of the course is to familiarize learners with the principles and issues relating to rail transport and the role of the mode in the national economy. Topics include: Brief historical background of rail transport. The role of railways in the Southern African context. Current issues in rail transport in South Africa. Market shares and financial aspects. Rail cost patterns. Analysis of cost patterns. Tariff setting in a rail context. Management and control of railway operations. Marketing of railway services. Privatisation and its implications. Technical matters. Co operation with other modes and intermodal arrangements. Railways and tourism. Railway and rural development. Concessioning and contracting in of rail transport.

Public Transport

The purpose of the course is to give learners an in depth understanding of issues relating to public passenger transport in South Africa and to suggest solutions to the problems from an organisational, operational and technical point of view. The modules cover: The history of cities and the relationship between urbanisation and economic progress. The link between efficient transport and efficient cities. Basic human needs and constitutional principles of social equity. "Seamless" public transport. Minimum service levels and service parameters for public transport. Formal and informal services. Administrative arrangements. Subsidy issues. Deregulation and privatisation. Modal analysis and comparisons. Operational and economic evaluations. Concessioning and contracting in public transport. Contract specification and design. Route patterns and scheduling. Legislative aspects and the implications of the White Paper on transport. Rural transport issues.

Maritime

The module covers: The organization of sea transport – major institutions, shipping lines, port authorities, governments. The demand for and supply of shipping – bulk/liners/tramp services. Global trading and cyclical factors. Shipping economics and pricing. Conference systems. Shipping policy instruments. Types of ships. Equipment on ships. Documentation in international trade. Port Management. Safety at sea. Ship registration and financing. Qualification standards. Shipping Law and Regulations. Pollution and salvage legislation. Flags of convenience. International conventions. National and international policies on maritime issues.

Aviation

The purpose of the module is to familiarize the learner with aspects related to aviation management in South Africa. Although the focus of the module is to concentrate on airlines and airport management, aviation legislation and institutional structures, it will also be expected of the learner to understand the economics, costing procedures and unique characteristics of the airline industry. At the end of the module learners will have a thorough theoretical base that will enable them to manage aviation tasks. History and role of aviation in South Africa. Domestic and international air transport policy. The White Paper on Transport and various international agreements and conventions. Roles and responsibilities of institutional structures, like the Airports Company and other governmental institutions. Airline Management and organization. Pricing, demand and output determination. Airline scheduling. Fleet planning and aircraft selection. Aircraft financing and passenger marketing. Aviation infrastructure. Airport administration and management. Airport costs. Airport pricing strategies and policies. Revenue recovery structures.

Humanitarian Logistics

The purpose of this module is to enable the student to apply the knowledge required to formulate a channel strategy and undertake a network design that fulfils the performance measurement requirements from the various stakeholders active in humanitarian operations.

Upon the successful completion of this module, the student will possess a highly specialised level of knowledge of the requirements for humanitarian logistics and what role it plays within the modern supply chain. The intellectual competency of the student will be developed to formulate and design the type of supply chain required for a specific humanitarian operation.

Logistics Decision Support Systems

The purpose of this module is to provide the student with knowledge of and insight into the importance of information technology as a business tool, basic concepts of information technology systems and the information system building blocks, enable the student to identify, understand and apply system software applications as management tool and to reflect on the applications made, enable the student to reflect on personal and/or group competencies and output by utilising acquired highly specialised intellectual knowledge of logistics decision support systems.

Logistics Project Management

The purpose of this module is to introduce the student to the objectives and principles of project management. Prepare the student to acquire and apply the necessary technical skills to interpret and design a project management system on a highly advanced level and to reflect on the specialised applications made. Develop the students' intellectual competency to be able to analyse, transform and critically evaluate new information on various aspects of project management in a range of context to resolve abstract contextual problems and reflect on the role of management and its efficiency in delivering projects; and enable the Student to reflect on personal and/or group competencies and output, by utilising acquired highly specialized intellectual knowledge of project management.