

FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT (FEBE)

Name of programme	Name of Faculty and Department	No. of credits	Cost	Duration	Admission Requirements	Contact person
Advanced Project Management APMP01	FEBE Dept. of Quality and Operations Management	20	R15 335	12 days	NQF 6 and 5 year working experience. RPL will be applied according to the University Policy to admit students who do not meet the entrance requirements	Dr André Vermeulen avermeulen@uj.ac.za
Operations Management	FEBE Dept. of Quality and Operations Management	25	R13 495	12 days	NQF 4 qualification and at least 5 years work experience Recognition of Prior Learning (RPL) according to the UJ and Faculty policies on RPL	Dr Pule Kholopane pulek@uj.ac.za
Project Management	FEBE Dept. of Quality and Operations Management	10	R13 495	12 days	NQF 4 and at least 1 year working experience. RPL will be applied according to the University Policy to admit students who do not meet the entrance requirements	Mr J Agwa-Ejon jagwa-ejon@uj.ac.za
Implementation of ISO 9001:2008 AIS001	FEBE Dept. of Quality and Operations Management	20	R13 495	12 days	Minimum Grade 12 certificate and at least 2 years employment within the Quality Management sphere or related fields such as but not limited to Occupational Health and Safety, Environmental Management, etc. Any relevant qualification approved through the process of Recognition of Prior Learning (RPL)	Ms N Sukdeo nsukdeo@uj.ac.za
Implementation of ISO 14001	FEBE Dept. of Quality and Operations Management	20	R13 495	12 days	Minimum Grade 12 certificate and at least 2 years employment within the Occupational Health and Safety sphere or related fields such as but not limited to Quality Management, Environmental Management, etc. Any recognised qualification approved through the process of: Recognition of Prior Learning (RPL)	Ms N Sukdeo nsukdeo@uj.ac.za

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Implementation of SANS OHSAS 18001:2011 IIS001	FEBE Dept. of Quality and Operations Management	20	R13 495	12 days	Minimum Grade 12 certificate and at least 2 years employment within the Occupational Health and Safety sphere or related fields such as but not limited to Quality Management, Environmental Management, etc. Any recognised qualification approved through the process of Recognition of Prior Learning (RPL)	Ms N Sukdeo nsukdeo@uj.ac.za
Auditing for OHSAS 18001:2011 AOH001	FEBE Dept. of Quality and Operations Management	6	R13 495	12 days	Prerequisite: UJ SLP: Implementation of SANS OHSAS 18001:2011. Any external programmes shall be evaluated for acceptability as a prerequisite into this programme	Ms N Sukdeo nsukdeo@uj.ac.za
Auditing for ISO 14001	FEBE Dept. of Quality and Operations Management	6	R13 495	12 days	Prerequisite: Implementation of ISO 14001. Any external programmes shall be evaluated for acceptability as a prerequisite into this programme	MS N Sukdeo nsukdeo@uj.ac.za
Auditing for ISO 9001:2008 AIS901	FEBE Dept. of Quality and Operations Management	6	R13 495	12 days	Prerequisite: SLP: Understanding and Implementation of ISO 9001:2008. Any external programmes shall be evaluated for acceptability as a prerequisite into this programme	Ms N Sukdeo nsukdeo@uj.ac.za
Lean Operations	FEBE Dept. of Quality and Operations Management	32	R13 495	12 days	Minimum Grade 12 certificate and employment in production or operations management or other related function	Dr Pule Kholopane pulek@uj.ac.za
Enterprise Resource Planning	FEBE Dept. of Quality and Operations Management	26	R8 935	12 days	Minimum Grade 12 certificate and employment within a quality Management environment	Ms. Khathu Mushavha-namadi kmushavha-namadi@uj.ac.za

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Energy Efficiency in Operations Management Processes	FEBE Dept. of Quality and Operations Management	26	R13 495	12 days	Minimum Grade 12 certificate and employment in production or Operations Management or other related function	Prof C Mbohwa cmbohwa@uj.ac.za
Job Evaluation Applications	FEBE Dept. of Quality and Operations Management	26	R10 000 – R15 000	12 days	Grade 12 with at least 1 year experience in Job Evaluation in the workplace. UJ students enrolled for Organisational Effectiveness 3B will also be considered	Ms Takalani Nemarumane tnemarumane@uj.ac.za
Construction Project Management	FEBE Dept. of Construction Management and Quantity Surveying	Non -credit bearing	R15 000	8 days	Grade 12 Applicants not in possession of such a qualification will be considered for admission on the basis of alternative admission criteria such a relevant work experience RPL. Students will be required to submit proof of this in the form of a CV, references or prior learning	Prof D Thwala didibhukut@uj.ac.za
Integrated Human Settlement Planning	FEBE Dept. of Town and Regional Planning	Non -credit bearing	R10 000 – R15 000	6 days	Grade 12	Mr George Onatu gonatu@uj.ac.za
GIS Applications in Urban and Regional Planning GIS011	FEBE Dept. of Town and Regional Planning	Non -credit bearing	R6 500	50 hours	Candidates must have at least completed a National Diploma/ Diploma qualification in Town and Regional Planning. The other fields acceptable with similar minimum qualifications in the fields of Geography, Development Studies, Public Governance, Civil Engineering, or Environmental Sciences	Mr A Ogra aogra@uj.ac.za
Green Building Applications GBA001	FEBE Dept. of Mechanical Engineering Science	15	R6 500	150 hours	Minimum of a first 4 year degree in relevant engineering field (Mechanical, Electrical, Chemical, and Industrial) or other 4 year degree on NQF level 8 in a related field	Ms N Janse van Rensburg nickeyjvr@uj.ac.za

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Advanced Numerical Methods ANM001	FEBE Dept. of Mechanical Engineering Science	15	R6 500	150 hours	Minimum of a first 4 year degree in relevant engineering field (Mechanical, Electrical, Chemical, and Industrial) or other 4 year degree on NQF level 8 in a related field	Ms N Janse van Rensburg nickeyjvr@uj.ac.za
Heat and Mass Transfer HMT001	FEBE Dept. of Mechanical Engineering Science	15	R6 500	150 hours	Minimum of a first 4 year degree in relevant engineering field (Mechanical, Electrical, Chemical, and Industrial) or other 4 year degree on NQF level 8 in a related field	Ms N Janse van Rensburg nickeyjvr@uj.ac.za
Computational Fluid Mechanics CFM001	FEBE Dept. of Mechanical Engineering Science	15	R6 500	150 hours	Minimum of a first 4 year degree in relevant engineering field (Mechanical, Electrical, Chemical, and Industrial) or other 4 year degree on NQF level 8 in a related field	Ms N Janse van Rensburg nickeyjvr@uj.ac.za
Green Building Legislation GBL001	FEBE Dept. of Mechanical Engineering Science	15	R6 500	150 hours	Minimum of a first 4 year degree in relevant engineering field (Mechanical, Electrical, Chemical, and Industrial) or other 4 year degree on NQF level 8 in a related field	Ms N Janse van Rensburg nickeyjvr@uj.ac.za
Applied Renewable Energy ARE001	FEBE Dept. of Mechanical Engineering Science	15	R6 500	150 hours	Minimum of a first 4 year degree in relevant engineering field (Mechanical, Electrical, Chemical, and Industrial) or other 4 year degree on NQF level 8 in a related field	Ms N Janse van Rensburg nickeyjvr@uj.ac.za
Applied Solar Energy	FEBE Dept. of Mechanical Engineering Science	15	R6 500	150 hours	Minimum of a first 4 year degree in relevant engineering field (Mechanical, Electrical, Chemical, and Industrial) or other 4 year degree on NQF level 8 in a related field	Ms N Janse van Rensburg nickeyjvr@uj.ac.za
Concrete Testing	FEBE Dept. of Civil Engineering Science	Non -credit bearing	R5 000 – R10 000	3 days	Grade 12 Recognition of prior learning will be based on the candidates' experience in concrete technology or related field for a period of at least 1 year	Mr J Bester jannesb@uj.ac.za

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Introduction to Concrete Technology ICT001	FEBE Dept. of Civil Engineering Science	Non-credit bearing	±R10 000	3 days	Grade 12 Recognition of previous learning will be based on the candidates' experience in concrete technology or related field for a period of at least 1 year	Mr J Bester jannesb@uj.ac.za
Concrete Technology CTS001	FEBE Dept. of Civil Engineering Science	Non-credit bearing	R5 000 – R10 000	3 days	Grade 12 plus a minimum of two years' experience in concrete technology or a related field in the built environment. Successful completion of the SLP Introduction to Concrete Technology. Recognition of previous learning will be based on the candidates' experience in concrete technology or related field for a period of at least 3 years	Mr J Bester jannesb@uj.ac.za
Gyroscopic Surveying Techniques GST001	FEBE Dept. of Mine Surveying	Non-credit bearing	R9 000	5 days	Grade 12	Mr H Grobler hgrobler@uj.ac.za
Elementary Surveying Techniques EST001	FEBE Dept. of Mine Surveying	Non-credit bearing	R3 000 per day	3 to 10 days, depending on the duration of the practical work required by the specific SLP – Grade 12		Mr H Grobler hgrobler@uj.ac.za
Government Certificate of Competency Coaching CCC001	FEBE Dept. of Mine Surveying	Non-credit bearing	R3 000 per day	40 hours	Grade 12 A period of three years of industry exposure is required by the Director of Mineral Resources before a graduate may become a candidate to the examination. <i>(ECSA position: As in the past, the mining industry requires a pathway for persons who have qualified as artisans to be able to proceed to ultimately become certificated mine surveyors. In addition to their trade, such persons will need Mathematics, Science and Language (English) at NSC or NCV level with symbols specified by the provider</i>	Mr H Grobler hgrobler@uj.ac.za

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Mineral Economics MEC001	FEBE Dept. of Mine Surveying	20	R5 000 – R10 000	200 hours	Bachelor's degree or similar qualification in Mining on NQF level 7. Recognition of prior learning will be applied according to the University RPL policy to admit students who do not meet the entry requirements stated above	Mr H Grobler hgrobler@uj.ac.za
Mineral Governance MGD001	FEBE Dept. of Mine Surveying	20	R5 000 – R10 000	200 hours		
Mineral Policy MPO001	FEBE Dept. of Mine Surveying	20	TBC	200 hours		
Mine Law for Mine Managers Certificate MLM001	FEBE Dept. of Mining	Non-credit bearing	R8 000	5 days over 3 months	A professional qualification in mining and already credits for the A and B parts of the competency certificate	Mr P Knottenbelt peterk@uj.ac.za
Mining and Minerals usiness and Technology Overview MMB001	FEBE Dept. of Mining	Non-credit bearing	R8 000	5 days over 2 weeks	Professional qualification and experience in finance, HR, procurement, etc. and employees from mining companies	Mr P Knottenbelt peterk@uj.ac.za
Mineral Policy, Investments and Negotiations in the Mining MPI001	FEBE Dept. of Mining	Non-credit bearing	For up to 20 delegates or R6 000 per non company specific person joining the company group.	40 hours	Grade 12 or equivalent or higher qualification with relevant national and international industry experience in the fields of mineral policy formulations, valuation of mining projects and negotiations of Mineral concessions	Mr P Knottenbelt peterk@uj.ac.za
Samancor Mineral Processing SMP001	FEBE Dept. of Metallurgy	Non-credit bearing	R5 000 – R10 000	3 days	Grade 12	Dr D Nyembwe dnyembwe@uj.ac.za
Extraction Metallurgy for Engineers EME001	FEBE Dept. of Metallurgy	Non-credit bearing	R5 000 – R10 000	10 days	Grade 12 and an Engineering qualification	
Extraction Metallurgy for Angloplat Engineers EMA011	FEBE Dept. of Metallurgy	Non-credit bearing	R5 000 – R10 000	10 days	Grade 12	
Foundry Technology FTE001	FEBE Dept. of Metallurgy	Non-credit bearing	R5 000 – R10 000	5 days	Grade 12 and at least 2 year experience in Foundry	Dr D Nyembwe dnyembwe@uj.ac.za
Practical Foundry Technology PFT001	FEBE Dept. of Metallurgy	Non-credit bearing	R5 000 – R10 000	5 days	Grade 12 and at least 2 year experience in Foundry	