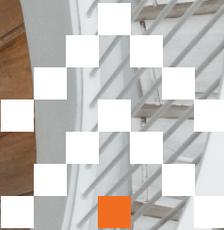




**POSTGRADUATE SCHOOL
OF ENGINEERING
MANAGEMENT**



Faculty of Engineering and the Built Environment: University of Johannesburg

**Postgraduate School of
Engineering Management**

**The Future
Reimagined**

Engineering Management is a specialized form of management that provides core intellectual concepts in marketing, finance, business law and management. Representing a combination of engineering skill and business knowledge that are required to cultivate innovative solutions to complex business problems.

For more info:

UJ website (www.uj.ac.za),
 Faculty of Engineering and Built Environment,
 Postgraduate School of Engineering Management

School staff

Name & Initials	Title	Position	Specialty
Annlizé Marnewick	Prof	Associate Professor	HOS and Associate Professor of Engineering Management
Jan-Harm Pretorius	Prof	Professor	Professor of Engineering Management
Hannelie Nel	Prof	Associate Professor	Associate Professor of Engineering Management
Gina Rautenbach	Ms	School administrator	School administrator ginar@uj.ac.za 011 559 1732
Deligent Magoro	Ms	Short learning programme administrator	Short learning programme administrator deligentm@uj.ac.za 011 559 1739
Deon Kruger	Mr	Associates	Industry Lecturer: Project Management
Andre Malan	Dr	Associates	Industry Lecturer: Engineering Management
Bultie Nel	Mr	Associates	Industry Lecturer: Advance Engineering Economics
Riekie Swanepoel	Dr	Associates	Industry Lecturer: Reliability Engineering
Dietmar Winzker	Dr	Associates	Industry Lecturer: Product Development & Marketing
P Ranwell	Dr	Associates	Industry Lecturer: Engineering Systems Management

Research profiles

Prof Annlize Marnewick amarnewick@uj.ac.za	HOS and Associate Professor of Engineering Management Research Area: Systems Engineering, Requirements engineering, Domestic energy use and environmental impact and Solving cross-discipline industry problems through the application of Engineering Management principles.
Prof Jan-Harm Pretorius jhpretorius@uj.ac.za	Professor of Engineering Management Research Area: Electrical Engineering, Energy efficiency, Measurement and Verification, Engineering Management.

Prof Hannelie Nel hannelien@uj.ac.za	Associate Professor of Engineering Management Research Area: Quality Management, Cost of Quality, Risk Assessment and Management, Gender Advancement in Engineering, Process optimization.
Prof Paul Mativenga p.mativenga@manchester.ac.uk	Distinguished Visiting Professor Research Area: Micro Milling, Micro Drilling and High-Speed Machining, Contact phenomenon in high speed machining, Heat generation and partition in machining, Modelling of dynamic cutting forces in High Speed Machining, Sustainable manufacturing.
Prof Johan Enslin jenslin@clemsun.edu	Distinguished Visiting Professor Research Area: Smarter power grids, modern power grid, energy storage technologies in grid modernization, large- scale renewable energy integration, improve energy efficiency
Dr Andre Vermeulen avermeulen@uj.ac.za	Senior Research Associate Research Area: Operations Management, Quality Management, Statistics / Operations Research / Quantitative Business Analysis, Business Process Engineering, Project Management.
Dr Dietmar Winzker dwinzker@iafrica.com	Industry Lecturer: Product Development & Marketing Research Area: Systems Engineering, Strategic Intent, Product Design, International Industrial Marketing, Business Transformation, Business Leadership, Future Management
Dr Andre Malan andrem@vectorpm.com	Industry Lecturer: Engineering Management Research Area: Research Area Engineering Management, Project Management
Dr Ricky Swanepoel Swanephf@eskom.co.za	Industry Lecturer: Reliability Engineering Research Area: Integrated information management systems, Data analytics, Reliability engineering, Condition monitoring, Business improvement frameworks.
Mr Deon Kruger dkruger@uj.ac.za	Industry Lecturer: Project Management Research Area: Optimizing Project Management Training, Project Management Maturity, Agile Project Management, Project Failure Analysis
Mr Bultie Nel bultie1@gmail.com	Industry Lecturer: Advance Engineering Economics Research Area: Water Management, Practical Application of Engineering Economics, Systems Engineering
Dr P Ranwell pierreranwell@gmail.com	Industry Lecturer: Engineering Systems Management Research Area: Systems engineering

Application process

Kindly note all applications must be submitted online, the link is available from the UJ website (www.uj.ac.za), no applications are received via email. To ensure no delays in application processing ensure the correct support documentation is supported with application.

Application Process Description

Applications for Research based Masters and PhD must include a research proposal together with the supporting documents, as detailed in the table below. The research proposal details the research problem, the significance of the problem and the need of the study. The proposal should be no longer than 2-3 pages and must have relevance to the engineering management discipline. The proposal should include:

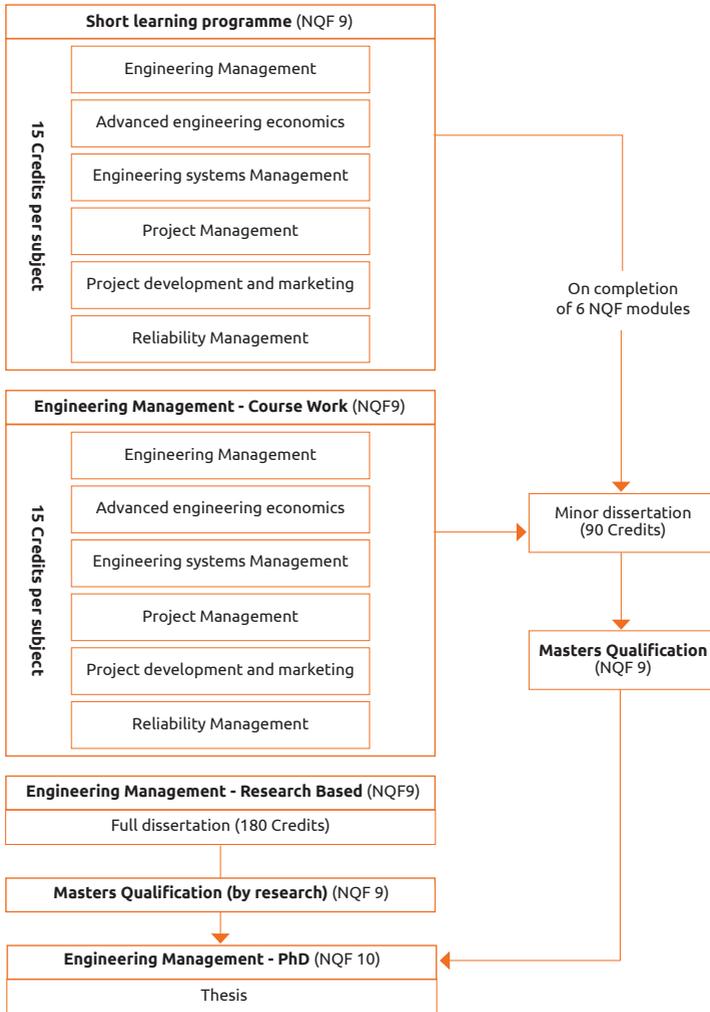
- An overview of your research problem
- Main objectives of your research, including details of two to three key aspects
- The academic and/or practical importance within the Engineering Management discipline
- Expected research outcomes
- Outline of expected methods/approaches to achieve research objectives

In development of the proposal avoid broad based research areas, and vague descriptions of your research interests, such as energy management or business optimisations. The research proposal is used in directing your application to potential supervisors, thus be as detailed as possible. The page limitation of three pages, requires you to be concise and clear, with a focus on quality of document.

Following acceptance of your proposal, you would be required to register, and a supervisor is appointed. An advanced proposal, which is to be defended at the school's panel must be submitted in six (6) months for a research-based master's and nine (9) months for a PhD. Acceptance of the advanced proposal is final confirmation of your registration in the respective Master's or PhD program.

Program	Online application	Academic records	Degree certificate	Curriculum vitae (CV)	Research proposal	International applicants
PhD	Required	Required	Required	Required	Required	SAQA evaluation
Research based Masters	Required	Required	Required	Required	Required	SAQA evaluation
Coursework Masters	Required	Required	Required	Required	N/A	SAQA evaluation

Program Structure and articulation is illustrated below



Timetable: Coursework masters and short learning programme

Semester 1

Contact sessions during the academic calendar follow a blended approach that consistent of a combination of online individual as well as group contact sessions.

Advanced Engineering Economics	Mondays 18:00 – 21:00	7 contact session
Engineering Systems Management	Thursdays 18:00 – 21:00	7 contact session
Engineering Management	Two days 18:00 – 21:00	4 contact session

Semester 2

Reliability Management	Mondays 18:00 – 21:00	7 contact session
Project Management	Thursdays 18:00 – 21:00	7 contact session
Product Development and Marketing	Four days 18:00 – 21:00	4 contact session