University of Pretoria Yearbook 2023

MEng (Engineering Management) (Coursework) (12250173)

Department	Engineering and Technology Management
Minimum duration of study	2 years
Total credits	180
NQF level	09

Programme information

- Unless the Dean, on recommendation of the relevant head of department, decides otherwise, the master's degree is conferred on the basis of examinations of coursework and a mini-dissertation (including an examination on the mini-dissertation).
- A minimum of 180 credits is required to obtain the MEng degree. A mini-dissertation (90 credits) and coursework (90 credits) is included in the programme.
- Recognition is not granted for credits acquired during studying for the BEngHons or the BScHons.
- The curriculum is determined in consultation with the relevant head of department. Any specific module is offered on condition that a minimum number of students are registered for the module, as determined by the relevant head of department and the Dean. Students must consult the relevant head of department in order to compile a meaningful programme, as well as for information on the syllabi of the modules. The various departmental postgraduate brochures should also be consulted.

Admission requirements

1. Relevant four-year bachelor’s degree in Engineering (or equivalent)
2. Three years of relevant postgraduate work experience may be required

More information:

www.up.ac.za/gstm/mem

Examinations and pass requirements

Refer also to G36-G37.

The stipulations of the relevant Faculty regulations are applicable.

Guidelines for the preparation and examination of mini-dissertations are available from the department.

i. The examination in each module for which a student is registered, takes place during the normal examination period after the conclusion of lectures (i.e. October/November or May/June).
ii. A student registered for the master's degree must complete his or her studies within three years provided

that the Dean, on recommendation of the relevant head of department, may approve a stipulated limited extension of this period.

iii. A student must obtain at least 50% in an examination for each module where no semester or year mark is required. A module may only be repeated once.
iv. In modules where semester or year marks are awarded, a minimum examination mark of 40% and a final mark of 50% is required.
v. No supplementary or special examinations are granted at postgraduate level.

Research information

Refer to G40.

A student must by means of a mini-dissertation prove that he or she is capable of planning, instituting and executing a scientific investigation. As part of the examination a student must submit an article and present at the final-year symposium. The article should be based on the research that the student has conducted for the mini-dissertation and be approved by the supervisor. Conferment of the degree may be made subject to compliance with the stipulations of this regulation.

Pass with distinction

A student who completes the master's degree on grounds of coursework and a mini-dissertation, passes with distinction if a weighted average mark of at least 75% (not rounded) is obtained in the first 180 credits obtained for the degree provided that 90 of these credits are allocated to the mini-dissertation. However, the degree is not awarded with distinction should a student fail any of these modules (excluding modules which have been timeously discontinued). The degree is also not awarded with distinction if a student obtains less than 70% for the mini-dissertation. The degree must be completed within the prescribed study period.

General information

University of Pretoria Programme Qualification Mix (PQM) verification project

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.

Curriculum: Year 1

Minimum credits: 200

Core modules

Financial management 830 (FBS 830) - Credits: 10.00
Engineering asset management and maintenance 801 (IAM 801) - Credits: 10.00
Mini-dissertation 899 (IGB 899) - Credits: 90.00
Production and operations management 801 (IPP 801) - Credits: 10.00
Systems engineering and management 801 (ISE 801) - Credits: 10.00
Strategic management 801 (ISM 801) - Credits: 10.00
Technology management 801 (ITB 801) - Credits: 10.00
People management 883 (PEM 883) - Credits: 10.00

Curriculum: Final year

Minimum credits: 200

Core modules

Mini-dissertation 899 (IGB 899) - Credits: 90.00

Elective modules

Systems thinking 801 (IBI 801) - Credits: 10.00
Industrial marketing 801 (IIM 801) - Credits: 10.00
Commercialisation and intellectual property 881 (IKG 881) - Credits: 10.00
Quality management 801 (IKK 801) - Credits: 10.00
Knowledge and information management 884 (ILB 884) - Credits: 10.00
Legal aspects 803 (ILC 803) - Credits: 10.00
Sustainable management 802 (ILE 802) - Credits: 10.00
Project planning 802 (IMP 802) - Credits: 10.00
New product development 880 (INP 880) - Credits: 10.00
New ventures and entrepreneurship 801 (IOE 801) - Credits: 10.00
Programme and portfolio management 802 (IPM 802) - Credits: 10.00
Risk management 801 (IRI 801) - Credits: 10.00
Business intelligence management 801 (IRM 801) - Credits: 10.00

Regulations and rules

The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The General Academic Regulations (G Regulations) and General Student Rules apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.

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