University of Pretoria Yearbook 2019

BEngHons Mining Engineering (12240072)

Minimum duration of study	1 year
Total credits	128

Programme information

The curriculum is determined in consultation with the relevant heads of departments. A student is required to pass modules to the value of at least 128 credits.

The degree is awarded on the basis of examinations only.

Admission requirements

Subject to the stipulations of Reg. G.1.3 and G.54, a BEng degree or equivalent qualification is required for admission.

Other programme-specific information

A limited number of appropriate modules from other departments are allowed, i.e. 64 credits.

Examinations and pass requirements

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 honours degree must complete his or her studies within two years (full-time), or within three years (part-time) after first registration for the degree: 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.

Pass with distinction

A student passes with distinction if he or she obtains a weighted average of at least 75% in the first 128 credits for which he or she has registered (excluding modules which were discontinued timeously). The degree is not awarded with distinction if a student fails any one module (excluding modules which were discontinued

timeously).

Curriculum: Final year

Minimum credits: 128

PSS 700 compulsory module / verpligte module

Core modules

Financial mine valuation 780 (PFZ 780)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	Self study
Language of tuition	Module is presented in English
Department	Mining Engineering
Period of presentation	Semester 1 or Semester 2

Airflow and fans 711 (PKB 711)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	Self study
Language of tuition	Module is presented in English
Department	Mining Engineering
Period of presentation	Semester 1 or Semester 2

Advanced design: Mining 780 (PMZ 780)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	Self study
Language of tuition	Module is presented in English
Department	Mining Engineering
Period of presentation	Semester 1 or Semester 2

Open-pit mining 783 (POY 783)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	Self study
Language of tuition	Module is presented in English
Department	Mining Engineering

Period of presentation	Semester 1 or Semester 2

Advanced explosive engineering 785 (PRX 785)

Module credits	16.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Mining Engineering
Period of presentation	Semester 1 or Semester 2

Module content

Types of commercial explosives. Properties of explosives. Explosive initiating systems, application of explosives in rock breaking; Surface and underground blast designs and specialised blast designs; the effects of geology on blast results. Fragmentation, blasting and environmental control. Blast assessment. Ethics and regulatory compliance. Safety in blasting.

Research project 700 (PSS 700)

Module credits	32.00
Prerequisites	No prerequisites.
Contact time	Self study
Language of tuition	Module is presented in English
Department	Mining Engineering
Period of presentation	Year

Module content

*This is a compulsory research module.

Strata control: Hard-rock mining 786 (PSZ 786)

Module credits	16.00
Prerequisites	No prerequisites.
Contact time	Self study
Language of tuition	Module is presented in English
Department	Mining Engineering
Period of presentation	Semester 1 or Semester 2

The information published here is subject to change and may be amended after the publication of this information. The General Regulations (G Regulations) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the General Rules section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.