
University of Pretoria Yearbook 2016

BEngHons Mining Engineering (12240071)

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. November/January or June/July).
- 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

Elective modules

Financial mine valuation 780 (PFZ 780)

| | |
|-------------------------------|--------------------------|
| Module credits | 16.00 |
| Prerequisites | No prerequisites. |
| Contact time | Self study |
| Language of tuition | English |
| Academic organisation | Mining Engineering |
| Period of presentation | Semester 1 or Semester 2 |

Slope stability 781 (PHS 781)

| | |
|-------------------------------|--------------------------|
| Module credits | 16.00 |
| Prerequisites | No prerequisites. |
| Contact time | Self study |
| Language of tuition | English |
| Academic organisation | 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 | English |
| Academic organisation | Mining Engineering |
| Period of presentation | Semester 1 or Semester 2 |

Heat and refrigeration 712 (PKB 712)

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|-------------------------------|--------------------------|
| Module credits | 16.00 |
| Prerequisites | No prerequisites. |
| Contact time | Self study |
| Language of tuition | English |
| Academic organisation | Mining Engineering |
| Period of presentation | Semester 1 or Semester 2 |



Advanced design: Mining 780 (PMZ 780)

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|-------------------------------|--------------------------|
| Module credits | 16.00 |
| Prerequisites | No prerequisites. |
| Contact time | Self study |
| Language of tuition | English |
| Academic organisation | Mining Engineering |
| Period of presentation | Semester 1 or Semester 2 |

Open-pit mining 783 (POY 783)

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|-------------------------------|--------------------------|
| Module credits | 16.00 |
| Prerequisites | No prerequisites. |
| Contact time | Self study |
| Language of tuition | English |
| Academic organisation | Mining Engineering |
| Period of presentation | Semester 1 or Semester 2 |

Advanced explosive engineering 785 (PRX 785)

| | |
|-------------------------------|--------------------------|
| Module credits | 16.00 |
| Prerequisites | No prerequisites. |
| Contact time | Self study |
| Language of tuition | English |
| Academic organisation | 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.

Guided special studies 700 (PSS 700)

| | |
|-------------------------------|--------------------|
| Module credits | 32.00 |
| Prerequisites | No prerequisites. |
| Contact time | Self study |
| Language of tuition | English |
| Academic organisation | Mining Engineering |
| Period of presentation | Year |



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.