Introduction to Mining

Presented by the Department of Mining Engineering, University of Pretoria

Introduction

The Introduction to Mining short course is specifically designed to provide non-mining personnel who play a support function to the mining core and/or suppliers to the mining industry, with fundamental knowledge and insight into mining operations. Aimed at professional people who do not necessarily have a mining engineering degree or diploma, you can acquire a better understanding of the mining process through this course if you are already working on a mine, work for a mine supplier or own shares in mines.

The course focuses the full mine value chain, and you will be exposed to various touch points of mining engineering, that include both hard and soft rock mining, ventilation, rock mechanics and geology, mine planning, open-pit and underground mining methods, logistics and marketing, as well as environmental management.

Optional: Pending availability, an exclusive opportunity to experience the Kumba Virtual Reality (VR) Centre for mine design as a major new expansion of the Department of Mining Engineering’s world-class facilities. This is changing the way of teaching and learning on the continent and establishes the University of Pretoria as the leading institution in mining engineering in Africa.

Brief description

The Introduction to Mining short course is specifically designed to provide non-mining personnel who play a support function to the mining core and/or suppliers to the mining industry, with fundamental knowledge and insight into mining operations. Aimed at professional people who do not necessarily have a mining engineering degree or diploma, you can acquire a better understanding of the mining process through this course if you are already working on a mine, work for a mine supplier or own shares in mines.

The course focuses the full mine value chain, and you will be exposed to various touch points of mining engineering, that include both hard and soft rock mining, ventilation, rock mechanics and geology, mine planning, open-pit and underground mining methods, logistics and marketing, as well as environmental management.

Optional: Pending availability, an exclusive opportunity to experience the Kumba Virtual Reality (VR) Centre for mine design as a major new expansion of the Department of Mining Engineering’s world-class facilities. This is changing the way of teaching and learning on the continent and establishes the University of Pretoria as the leading institution in mining engineering in Africa.

Course content

- Geology, Commodity Types and Mine Planning Criteria
- Surface Mining
- Underground Mining
- Mining Economics
- Beneficiation
- Mining Law
- 4th Industrial Revolution - The Mining Context

Learning Outcomes

After successfully completing the course, you will be able to:

- Demonstrate a greater understanding of the operational practices that are pivotal to the mining industry
- Interpret essential terminology and feel more comfortable interacting with core mining staff
- Appreciate the significance of the mining industry understand the principles of mine design, planning and optimisation
- Describe the use of open-pit and underground mining methods and equipment
- Describe the impact of rehabilitation and environmental considerations, and
- Understand the role of processing

+27 (0)12 434 2500
info@enterprises.up.ac.za
www.enterprises.up.ac.za

For quotations on in-house training, email quote@enterprises.up.ac.za
Introduction to Mining

Presented by the Department of Mining Engineering, University of Pretoria

Course delivery mode options:
Contact sessions in Pretoria.

Who should enrol?
This course is ideal for you if you are employed as a non-technical mining professional, mine accountants or administration manager, HR manager, mining marketer and PRO. You will also benefit greatly from this course if you are involved in supply chain and logistics around mining activities, or appointed as a non-mining engineer working on or for a mine. Recruitment agencies specialising in mining operations and sales people working for mine suppliers are also encouraged to enrol.

Entry Requirements:
Prospective delegates should at least have a National Senior Certificate (Grade 12) or equivalent qualification and/or relevant work experience.

Course date
16 - 17 May 2024

Programme fees
Face to face in Pretoria: R8 850.00 per delegate (VAT incl.)
Course fees include all course material, refreshments and lunch during contact days. Course fees must be paid in full 14 days prior to course start dates. Proof of payment can be submitted to enrolments@enterprises.up.ac.za

Accreditation and certification
Enterprises University of Pretoria (Pty) Ltd is wholly owned by the University of Pretoria. As a public higher education institution, the University of Pretoria functions in accordance to the Higher Education Act 101 of 1997. Enterprises University of Pretoria offers short courses on behalf of the University and these short courses are not credit-bearing, and do not lead to formal qualifications on the National Qualifications Framework (NQF) – unless stated otherwise. Delegates who successfully complete a short course and comply with the related assessment criteria (where applicable) are awarded certificates of successful completion and/or attendance by the University of Pretoria.

Registration and enquiries
Client Information Centre
Tel: +27 (0)12 434 2500
Fax: +27 (0)12 434 2505
Email: info@enterprises.up.ac.za

Programme leader
Jannie Maritz
Email: jannie.maritz@up.ac.za