



## Introduction to Mining

Presented by the Department of Mining Engineering, University of Pretoria

2 ECSA CPD Points

2 SACNASP CPD Points

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 on various topics of the mining industry, and you will be exposed to various touch points of mining engineering, that include hard 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 impressive first-in-Africa project 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.**

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*Shifting knowledge to insight*



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## Course content

<b>Module 1</b>	Geology and Mine Design Approach
<b>Module 2</b>	Surface Mining
<b>Module 3</b>	Underground Mining
<b>Module 4</b>	Process to Customer
<b>Module 5</b>	Mineral and Mining Economics
<b>Module 6</b>	Risk management

## 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.

## 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.

## Course fees

### R7 600.00 per delegate (VAT incl.)

Course fees include all course material, lunch and refreshment during contact days.

## Admission requirements

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

## Accreditation and certification

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## Registration and enquiries

### Course Coordinator

Mpolokeng Rammutloa

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### Course leader

Prof Ronny Webber-Youngman

Department of Mining

Head of Department

"This course has had a very high impact on me and my ability to better understand the entire picture ... this is very important for each person, particularly in sales, to gain the needed understanding of mining. Thank you for affording me the opportunity to attend this course. It was incredibly interesting and has vastly improved my understanding of so many areas of our business."

*Sonja de Klerk, Sales Manager: Assore (Ore & Metal)*

Shifting knowledge to insight

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