

What to expect from a VBKOM Mine Planning and Design Course

Introduction

- Mining value chain
- The Mining planning wheel

Geology

- Geological Data Collection & Interpretation
- Geological Modelling
- Geology and Reconciliation
- Statistics and Geostatistics
- Block Modelling
- Grade Control Models vs Resource Models

Resource Optimisation

- Pit Optimisation (Concept & Definitions)
- Mine Planning: Block Modelling
- Pit Optimisation Software and Setup
- Enterprise Optimisation

Geotechnical

- Impact of Geotechnical Aspects on Design
- Mitigation of Rock Fall in Open Pit Mining

Mine Design

- Open Pit and Underground Designs

Production scheduling

- Scheduling and HME Outputs

Mining equipment & costing

- Equipment Types and Equipment Strategies
- Secondary and Ancillary Equipment
- CAPEX and OPEX

Reporting

- Mining Risks
- Mining Codes