



Geotechnical Training in a Mining Environment- Series



Course Series Description

Geotechnics is concerned with the study of how earth materials behave using scientific and engineering based principles.

It is a key area of study used by geologists and engineers alike to predict earth and rock movements when planning construction projects and is very important in quarrying and mining operations. The geotechnical suite of courses is able to provide core training to a wide audience from operative to senior manager.

By combining your training needs into separate intensive sessions, your organisation benefits through the effective use of our professional geotechnical training specialist.



Our Approach

These courses are delivered in person with a number of interactive segments and practical exercises. Using the principle of applied learning – where delegates immediately put their learning into everyday situations – this method brings a highly effective balance of classroom style presentations with tasks that focus on real life applications.



Our Tutors

Our tutors are the best in the business.

As experienced assessors, they'll transfer the knowledge you need to embed standards into your organization and develop them through continual improvement.

Operatives Geotechnical Training in a Mining Environment

Two – Three hour session



What will I learn?

- Understanding basic geological principles
- Types of slope failure
- Pit design – why do we need it
- Excavation and tipping rules
- Inspection and reporting
- Methods of working a site
- Overview of tip construction
- Emergency Response



How will I benefit?

Once you have completed the course you will be able to:

- Apply basic geotechnical theory to practice in the workplace
- Better understand principles of geotechnical hazards in a mining environment
- Understand the reason for site rules and how to apply them
- Undertake basic face inspection
- Reduce the likelihood of serious injury or death
- Improve attitudes and behaviours in the workplace



Who should attend?

- Operational mine teams

CPD



3 CPD hours accredited by the Institute of Quarrying.

Book this course by visiting
<http://www.bsigroup.com/en-AE/Our-services/Training-courses/>
or call +971 4336 4917

Supervisors Geotechnical Training in a Mining Environment

One day course



What will I learn?

- Understanding basic geology
- Slope stability
- Groundwater issues
- Types of failure
- Rock excavation
- Rock-fall protection
- Soil slope stability
- Excavation design
- Pit design
- Excavation rules
- Methods of working
- Tip and lagoon design
- Tip construction
- Drainage
- Tip rules
- Hazard appraisal



How will I benefit?

- Once you have completed the course you will be able to:
- Apply geotechnical theory to practice in the workplace
 - Better understand the concepts and principles of geotechnical hazards in a mining environment
 - Reduce the likelihood of serious injury or death
 - Improve attitudes and behaviours in the workplace



Who should attend?

- Supervisors mine teams

CPD



6 CPD hours accredited by the Institute of Quarrying.

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Managers -Geotechnical Training in a Mining Environment

One day course



What will I learn?

- Understanding geology
- Slope stability
- Groundwater issues
- Types of failure
- Rock excavation
- Rock-fall protection
- Soil slope stability
- Excavation design
- Best practice
- Case studies
- Pit design
- Excavation rules
- Methods of working
- Tip and lagoon design
- Tip construction
- Drainage
- Tip rules
- Hazard appraisal



How will I benefit?

Once you have completed the course you will be able to:

- Apply geotechnical theory to practice in the workplace
- Understand the geotechnical requirements within a mine site
- Better understand the concepts and principles of geotechnical hazards in a mining environment
- Reduce the likelihood of serious injury or death
- Improve attitudes and behaviours in the workplace



Who should attend?

- Mine Managers

CPD



6 CPD hours accredited by the Institute of Quarrying.