

PROFESSIONAL DEVELOPMENT TRAINING COURSES

Professional Development Courses: Perth

1-day Introduction to Open Pit Geotechnical Engineering

2-day Rock Slope Engineering

Course	Date
Introduction to Open Pit Geotechnical Engineering	6 December
Rock Slope Engineering	7-8 December

Course Content: INTRODUCTION TO OPEN PIT GEOTECHNICAL ENGINEERING

This one-day course provides a general introduction to open pit geotechnical engineering processes from data collection to design implementation.

Participants will:

- Review general open pit geotechnical design considerations including failures
- Understand the data requirements and underlying geotechnical assessments
- Be exposed to the analysis tools and techniques
- Obtain an appreciation of the reliability and applicability of geotechnical design

Content

The course covers:

- General slope stability considerations
- Examples of different types of failures
- Geotechnical investigations and data collection
- Data processing and interpretation
- Design approaches
- Operational management considerations

Each topic will be discussed in depth, using presentations and case studies.

Who should attend?

Mining engineers, geotechnical engineers and geologists actively involved with, or about to become involved with, open pit geotechnical engineering.

Course Content: ROCK SLOPE ENGINEERING

This two-day course examines the basic principles and application of slope engineering.

The course covers:

- Basic mechanics of slope stability
- Shear strength of rock defects and rock masses
- Review of more common slope failure mechanisms, their identification and analysis
- Pit slope design, formation and monitoring

The course includes short tutorial sessions and case examples.

Who should attend?

The course is designed for geoscientists and engineers who have not had significant prior exposure to the concepts and techniques of slope engineering in open pit mines.

Presenter

Dr Ken Mercer - Principal Consultant - Geotechnical Engineering

PrEng (ECSA) BSc(Civil Eng) (First Class Hons) (University of Cape Town), MSc (Civil Eng)(University of Cape Town), PgDipEng (University of Cape Town), PhD (Mining Engineering, Witwatersrand), Certificate of Risk Management (UNISA Graduate School of Business) , Member, Institute of Engineers Australia (MIEAust), Member, Australasian Institute of Mining & Metallurgy (MAusIMM), Member, South African Institute of Mining and Metallurgy (MSAIMM), Currently completing MBA at Curtin University



Ken has more than 23 years experience in the civil engineering and mining industries as a geotechnical and mining engineer, researcher and consultant. Ken's areas of expertise include both soil mechanics and rock slope engineering, and he is a specialist in numerical modelling and the design of deep excavations and ground support. Ken holds a PhD in mining engineering from the University of the Witwatersrand in the field of the deformation behaviour of unsupported rock slopes. Ken has worked as a consultant for clients in Africa, Australia and Europe and has worked operationally for Anglo American and BHP Billiton. Ken also develops and presents Snowden's professional development courses.

Fees

Payment required at time of registration.

1-day Introduction to Open Pit Geotechnical Engineering: AU\$1,430 + GST per person

2-day Rock Slope Engineering: AU\$2,860 + GST per person

These fees include comprehensive course manuals, refreshments and lunch.

PLEASE NOTE:

- A 10% discount is offered for booking on both of these courses
PLUS
- A 5% discount is offered if paying by credit card.

Mentoring - Learn while working on your own data or project.

Snowden provides one-on-one technical mentoring to help develop your knowledge, skills and experience.

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Contact and registration

For more information on Snowden's Training and Mentoring programmes, please contact Diana Titren, Training Division Manager, on +61 8 9213 9670 or training@snowdengroup.com

To register, please complete the following form and either fax it to Shannon Aitken, Training Coordinator, on FAX +61 8 9322 2576 or EMAIL training@snowdengroup.com

Please visit www.snowdengroup.com for more information about our training courses

Snowden Office Contact Details

PERTH +61 8 9213 9213 BRISBANE +61 7 3231 3800 JOHANNESBURG +27 11 782 2379
VANCOUVER +1 604 683 7645 BELO HORIZONTE +55 (31) 3222-6286 LONDON +44 1932 268701

REGISTRATION FORM - PERTH

Introduction to Open Pit Geotechnical Engineering - 1-day
Rock Slope Engineering - 2-days

To: Snowden Mining Industry Consultants, PO Box 77, West Perth, WA 6872 Tel: +61 8 9211 8670
Fax: +61 8 9322 2576 Email: training@snowdengroup.com

Please tick the courses, and dates you would like to attend

Training courses	Course dates in 2010 PERTH	Fee
<input type="checkbox"/> Introduction to Open Pit Geotechnical Engineering	6 December	AU\$1,430 + GST = \$1,573
<input type="checkbox"/> Rock Slope Engineering	7-8 December	AU\$2,860 + GST = \$3,146
Total, less 10% discount for booking on both courses		AU\$
Total, less 5% discount if paying by credit card*		AU\$
TOTAL including GST:		AU\$

Delegate Name	
Position (in company)	
Company Name	
Address	
Tel	
Fax	
Email	
How did you hear about the course?	<input type="checkbox"/> Email <input type="checkbox"/> Snowden Website or <input type="checkbox"/> Newsletter <input type="checkbox"/> AusIMM <input type="checkbox"/> AIG <input type="checkbox"/> Other Advert _____ <input type="checkbox"/> Other _____

PAYMENT OPTIONS

Payment required at time of registration - payment confirms your registration. A tax invoice will be issued on receipt of payment.

Please tick your payment option.

Cheque
Please enclose a cheque made payable to Snowden Mining Industry Consultants

Electronic transfer. Please quote the course name on your EFT transaction.
ANZ Bank, Corner Hay and Outram Street, West Perth, WA 6005
Branch: 016498 Account: 8376 99407 Swift Code: ANZBAU3M

Credit card: *5% discount offered for credit card payments.
Please note: Snowden DOES NOT charge a surcharge for credit card payments.

Visa card
 Master card
 AMEX

Card no:

Cardholder's name: _____

Expiry date: / Signature: _____

PLEASE NOTE: No refunds for cancellations made within 2 weeks of the course or for 'no shows'. Delegates can be substituted. If the minimum number of delegates is not achieved, delegates will be notified 1 week prior to course start date and fees will be refunded.