



Snowden is a member of the AusIMM

PROFESSIONAL DEVELOPMENT TRAINING COURSES

3-day Training Course

OPEN PIT MINE PLANNING

Carefully considered excavation

Location:	Date:
PERTH	8 - 10 February 2010
	16 - 18 June 2010
	3 - 5 November 2010

This course discusses open pit mine optimisation theory and practice; stope stability as applied to open pit mines and dumps; practical and theoretical open pit mine design including ramp placement and design; through to generation of reserves from classified resources, including theoretical and practical treatment of cut-off grades and financial evaluation.

You will learn:

The course commences with the fundamentals of open pit mine design, leading into a detailed examination of current industry practices to maximise safe economic return.

Course attendees will understand the open pit mine planning process in theory and practice and be able to apply this knowledge to plan new operations or plan and analyse existing mines.

This three-day course includes:

Introduction:

- Strategic planning - cutoff grade theory and practice
- Contractor and owner operation
- Cost estimation
- Cashflow modelling
- Feasibility studies

Open Pit Mine Planning:

- Open pit optimisation - Lerchs-Grossman optimisation software and its use
- Slope stability - geotechnical, hydrogeology and hydrology issues
- Open pit design - Surpac
- Scheduling - Whittle strategic scheduling, spreadsheet modelling
- Grade control
- Mining dilution and recovery - planned and unplanned, estimation
- Services and infrastructure
- Equipment selection and modelling
- Supervision and operational planning
- Resource and reserve evaluation
- Reconciliation

Whittle software will be used during the training course, but all other practical exercises will be done in Excel.



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Presenter

Allan Blair -Principal Consultant, Mining

First Class Mine Manager's Certificate WA, MBA International UWA, BAppSc Mining Engineering WASM, BSc UWA



Allan has more than 25 years experience in the mining industry, encompassing operational, management, technical and consulting experience in underground and open pit operations in Australia and overseas. He has recently rejoined Snowden after spending the past three years with Rio Tinto engaged in evaluating projects in the Pilbara, Africa and Europe, based out of London and Sydney. Allan spent a year as key liaison for the Mine Automation group based at Sydney University.

Allan recently delivered the 2009 underground mining planning and design short course as part of the Masters program for the WA School of Mines, and is familiar with the technical and operational aspects of both open pit and underground mining.

Allan's consulting experience includes a wide array of underground and open pit studies and project management, ranging from bankable feasibility studies and bank audits to scoping studies, underground and open pit optimisation and design. In addition, Allan holds an International MBA with specialist skills in project valuation, strategic planning and management consulting.

Fees

Payment required at time of registration

Three-day Open Pit Mine Planning course is AU\$3,850 + GST

This fee includes a course manual, refreshments and lunches.

Please note there is a 5% discount offered for credit card payment

Laptops for practical exercises

PLEASE NOTE: Please bring your own laptop to the training course. You will need Microsoft Office and Whittle software on your laptop. All other practical exercises will be done in Excel.

If you are unable to supply your own laptop and software, please contact Shannon Aitken saitken@snowdengroup.com so that she can organise the rental of a laptop and the software for you - please note this will attract a rental and surcharge fee.

On-site customised courses

All our courses can be customised to suit your specific training requirements and presented either on-site or at a venue of your choice. Please contact Diana Titren, Training Manager, on +61 8 9211 8670 or training@snowdengroup.com for further information.

Contact and registration

For more information on Snowden's Training and Mentoring programmes, please contact Diana Titren, Training Division Manager, on +61 8 9211 8670 or training@snowdengroup.com

To register, please complete the following form and fax it to Shannon Aitken, Training Coordinator, on +61 8 9322 2576

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

Snowden Office Contact Details

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