

Geology for Non-Geologists

Mining for Non-Miners

Training course:	Location:	Date:
GEOLOGY FOR NON-GEOLOGISTS	VANCOUVER	1 November 2010
MINING FOR NON-MINERS	VANCOUVER	2 November 2010

Course Content: GEOLOGY FOR NON-GEOLOGISTS

This one-day introductory course has been designed for everyone (who is not a geologist) involved in, associated with or investing in the mining industry. Key geology and resource concepts are explained, along with rock specimens and activities. You will learn how a company progresses a project from early-stage exploration through to a mining reserve. See examples of how to interpret mineral resource and exploration results in stock exchange company announcements. Find out or refresh your knowledge on what is involved behind the scenes, and learn about the key risks to be managed using geological data.

The key concepts covered are:

Geology

An introduction to major rock types and major commodities
How ore types are formed - key concepts geologists use to explore for new deposits

Examples of major ore types

Samples of key mineral and rock specimens
Chief physical and chemical characteristics of major commodities

Drilling and resource estimation

Simple explanations of major drilling and sampling methods and when they are used
What is behind a resource or reserve estimate, and where the principle risks lie

Stock Exchange reporting of resources and reserves

Key requirements of the code, and what should be reported on the stock exchange
Definitions of exploration results, minerals resources and ore reserves
How to extract and interpret key geological information from stock exchange reports
How to spot non-compliance, including a simple checklist you can take with you

Other relevant reporting codes

Other international codes
Core differences

Key geology and mining terms

Common technical terms used in reporting
Where to find more information when you need it

Mineral analysis and quality assurance

Major types of mineral and chemical laboratory analysis
Key risks in sampling and important sampling checks.

Course Content: MINING FOR NON-MINERS

This one-day course has been especially design for non-miners, and is aimed at providing participants who are new to the mining industry, with knowledge of the fundamentals, operating and technical components of mining.

Delegates will gain a sound understanding for the stages in the life of the mine, differing mining methods, mining process of surface and underground operations, types of mining studies, mine planning parameters and terminology used within the industry.

This course will provide a sound foundation for those involved in or associated with the mining industry, who would like to improve their communication skills and gain a better understanding of the essentials of mining.

The course covers:

Introduction

Stages in the Life of a Mine

Prospecting,
Exploration,
Development,
Exploitation

Surface Mining Methods

Functions of Open Pit Mining

Design,
Drill and Blast,
Load and Haul,
Equipment

Underground Mining Methods

Functions of Underground Mining

Development,
Production,
Ground Support,
Load and Haul,
Ventilation

Types of Mining Studies

Scoping Level,
Pre-feasibility,
Feasibility

Planning Parameters

Terminology

Delegate feedback

Snowden prides itself on the standard of its courses and on the quality of its presenters. Feedback from our previous course participants includes the following:

Geology for Non-Geologists

"The activities participated in were good in proving a hands-on application of the knowledge obtained"

"The content covered in a condensed 1 day program was excellent"

"The presenter had excellent knowledge of the subject which made it easier to relate to the material they were presenting - not just reading slides"

"I found that the practical activities made the sampling and drilling a lot easier to understand. The presenter was very easy to understand and motivated about the subjects"

"The presenter's enthusiasm for the subject helped to keep the content interesting"

Mining for Non-Miners

"Good material (manual) to take away"

"The course was all extremely interesting and very valuable for me and I enjoyed all the parts - thanks"

"The videos shown demonstrated the methods very well"

"The mining methods section was extremely helpful"

Presenters

The course presenters will be chosen from Snowden's most experienced consultants.

George Gilchrist - Consultant Resource Geologist

BSc Hons (Geology), University of the Witwatersrand; PDM, Wits Business School, MGSSA, Pr.Sci.Nat



George's experience in the African mining industry was primarily on Witwatersrand gold deposits. Since joining Snowden, George has focussed on projects in West and southern Africa, with the main focus areas being orebody modelling, sampling, QAQC and resource evaluation. George's projects have focussed on gold, platinum, copper, nickel, uranium, magnetite and limestone deposits across a range of different geological and geographical settings. George has also been responsible for the development of a comprehensive geological training programme for technicians on the Witwatersrand gold mines and the development and presentation of Snowden's technical training courses.

Eric Chapman - Consultant Resource Geologist

MSc (Mining Geology), Camborne School of Mines, UK, 2003; BSc (Hons) (Geology), University of Southampton, UK, 1996



Eric has over 8 years of experience in applied geological modelling and geostatistical analysis, most recently providing consultancy for a variety of metal and industrial mineral resources ranging from cement and talc deposits to epithermal gold veins in Turkey, VMS resources in the USA and porphyry copper deposits in Kazakhstan. Eric has provided specialist training to industry experts on subjects such as geological modelling, applied geostatistics, unfolding of deposits and risk analysis through conditional simulation. Eric has practical experience of a range of resource evaluation techniques including ordinary kriging, indicator kriging and conditional simulation.

Bob McCarthy - General Manager - Vancouver

BAppSc (Mining - Honours), PEng, MBA



Bob has over 23 years of technical and managerial experience in the mining industry encompassing engineering, operations, maintenance, and technology solutions. He has provided in-house mine engineering expertise on several mine development, expansion, extension, and acquisition projects. Bob possesses competencies in mine planning, mine licensing, project management, asset management, technology development, technology implementation, and business consulting. Bob develops and presents Snowden's mining engineering courses.

Fees

Payment required at time of registration

Each course costs C\$1,100 incl GST per person. This fee includes comprehensive course notes, refreshments and lunch.

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.

Our consultants will guide you to use due process *while you work on your own data or project*.

Take advantage of Snowden's 23 year knowledge and skills base to help fast-track your technical knowledge.

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 either fax it to Shannon Aitken, Training Coordinator, on +61 8 9322 2576 or email to training@snowdengroup.com

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

Snowden Office Contact Details

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REGISTRATION FORM

1-day Introductory Courses - Vancouver- November 2010

To: Snowden Vancouver Suite 600, 1090 West Pender Street, Vancouver BC V6E 2N7

PLEASE FAX YOUR REGISTRATION FORM TO: +61 8 9322 2576

OR EMAIL TO: training@snowdengroup.com

Please tick the course/s you will be attending	<input type="checkbox"/> GEOLOGY FOR NON-GEOLOGISTS	Vancouver	1 Nov	C\$1,100 incl GST
	<input type="checkbox"/> MINING FOR NON-MINERS	Vancouver	2 Nov	C\$1,100 incl GST
				TOTAL including GST _____
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 <input type="checkbox"/> Snowden Newsletter <input type="checkbox"/> The Northern Miner <input type="checkbox"/> Other Advert _____ <input type="checkbox"/> Other, please specify _____ #			

PAYMENT OPTIONS

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

1) Please enclose a cheque payable to Snowden Mining Industry Consultants

OR

2) Pay by wire transfer to TD Canada Trust, 1055 Dunsmuir Street, Vancouver, BC V7X 1P3. Account number: 95120-004-0910-0325278 Snowden M.I.C.

PLEASE NOTE

Registration closes 2 weeks prior to the course starting date.

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 before the course start date and fees will be refunded.