

# MINING FOR NON MINERS (METAL)

24 January, 2012 Perth | 31 January, 2012 Brisbane | 04 April, 2012 Brisbane | 30 April, 2012 Sydney | 15 May, 2012 Perth

## INTRODUCTION

The aim of this course is to provide those from a non-mining background with a comprehensive understanding of the open cut and underground metals mining industry. As a result of attending this course participants will have a greater understanding of the operational practices pivotal to the metals mining industry, be able to interpret essential terminology and feel more comfortable interacting with core metals mining staff.

## WHO SHOULD ATTEND?

Those from a non-mining background who wish to achieve a greater understanding of mining operations. In particular, those who are looking to achieve effective working relationships with core mining staff or who have peripheral contact with the mining industry. We typically present this course to Administration staff, Accountants, Finance staff, Mine Operations staff, Engineers new to the mining industry, Senior Executives, Legal staff, Bankers, Investment Consultants, Management Consulting Companies, HR staff and IT staff.

## COURSE CONTENT

### The Metals Mining Industry

- The financial and economic significance of the metals mining industry, resource locations, mining methods, key players

### Geology and Ore Reserves

- Geology, mineral exploration, overview of ore reserves, modelling & its limitations

### Open Cut Mining

- An overview of open cut mining, mine planning and its role in the mining process, mining economics, scheduling, open cut equipment and uses, drilling and blasting, mine services and safety, environmental considerations

### Underground Mining Methods

- An overview of underground mining, methods and design, mining economics, mine development, equipment, mine services and safety, environmental considerations

*“Participants will learn skills and mining concepts through this unique experiential course”*



### Ore Handling and Processing

- Mineral processing and its role in the mining process, overview of ore handling and processing, equipment, separation methods, tailings dams

### DELIVERY METHOD

Interactive classroom-style delivery - numerous interactive case studies are used throughout the course, supplemented with a variety of multi-media presentations and practical hands-on workshops, to ensure maximum audience participation and to optimise the learning experience.

### LEARNING OUTCOMES

At the completion of this course participants will be able to:

- Appreciate the significance of the metals mining industry
- Understand frequently used terminology
- Describe the use of open cut and underground metals mining methods
- Understand the principles of mine design and planning
- Understand pit optimisation
- Describe the impact of rehabilitation and environmental considerations
- Understand the use of drilling and blasting
- Describe essential pit services and safety operations
- Describe the impact of Geotechnical considerations
- Explore the costing implications of mining operations

# MINING FOR NON MINERS (METAL)

For over 20 years, Runge has been providing high quality training courses to the Mining Industry worldwide.

Our courses are recognised as unique in the Industry. The knowledge and challenges that Runge consultants deal with daily in project work and software implementations is captured and reflected in our high quality training courses.

Numbers are restricted to enhance learning, and participants can share experiences gained from their respective organisations. Runge's courses cover mine business planning and fall into the following major categories:

- Mining for Non Miners ( Coal and/or Metals Focus )
- Mining Economics
- Integrated Open Pit Coal Mine Planning
- Truck and Shovel Mining Systems
- Coal Seam Gas Reservoir Assessment
- Dragline Mining Systems

Other mining related courses could be developed and delivered on request. Runge can work with you to meet your training requirements. Please contact our Training Department to discuss your specific needs in more detail.



## ON-SITE / CUSTOMISED OPTIONS THE ADVANTAGES FOR YOUR ORGANISATION

- On-site training is more economical for a large group
- Training days can be at a convenient, unique time and location
- Content can be customised to suit a client's specific requirements to address attendees needs
- Confidential information can flow freely giving maximum learning outcomes

### DATE

- 24 January, 2012 Perth Australia
- 31 January, 2012 Brisbane Australia
- 04 April, 2012 Brisbane Australia
- 30 April, 2012 Sydney Australia
- 15 May, 2012 Perth Australia

### VENUES

- |  |   |  |
|--|---|--|
| Runge Limited<br>Level 3<br>251 Adelaide Terrace, Perth<br>WA 6000 Australia | Runge Limited<br>Level 12<br>333 Ann Street, Brisbane<br>QLD 4000 Australia | Minarco-MineConsult<br>Level 16, Australia Square<br>264-278 George Street, Sydney<br>NSW 2000 Australia |
|--|---|--|

### TIME

8:30 AM - 5:00 PM

*Course attendance is limited to a maximum of 25 people*

## YES! PLEASE REGISTER ME FOR MINING FOR NON MINERS (METAL)

Yes! Please send me more information on other courses.

Name :	
Position :	
Department :	
Company :	
Site :	
Billing Address :	
City :	
State :	Postcode :
Ph :	Fax :
Email :	
Purchase Order No. :	

### CREDIT CARD DETAILS

<input type="checkbox"/> Bankcard	<input type="checkbox"/> Mastercard	<input type="checkbox"/> Visa	<input type="checkbox"/> American Express
Name on Card :		Expires on : /	
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### CANCELLATION POLICY

Registration may be transferred or cancelled with minimum 14 days' notice without cost penalty. Should you be unable to attend with less than 14 days before the course, a substitute delegate may attend at no extra charge. Alternatively, you may transfer your registration to another course date with an added service charge of \$200 per day of course (excl of gst). Runge Limited reserves the right to cancel a course at any time, in which case registration fees are fully refundable.

### REGISTRATION FEE

**\$1,450 p.p. (ex GST)**

Fee includes tuition, comprehensive course notes, workshop assignments and solutions, morning and afternoon coffee, lunch and certificate of completion. Once your booking is received your place is automatically reserved, and we will send you a confirmation of enrolment.

Contact: Linda Tat or Suzanne Hammelmann  
Phone: +61 7 3100 7200  
Fax: +61 7 3100 7297  
Email: [training@runge.com.au](mailto:training@runge.com.au)  
GPO Box 2774, Brisbane, Qld 4001

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