



Electrowinning and cementation

BRISBANE

Basic: **November 9-10**
Advanced: **November 11**



COURSE PROGRAMMES

Basic

Advanced

Day 1

9:00 Thermodynamics of reduction

10:30 Morning coffee

10:45 Electrochemical kinetics

12:30 Lunch

1:15 Cementation

3:00 Afternoon tea

3:15 Workshop

9:00 EW and refining of Cu

10:30 Morning coffee

10:45 EW of zinc

12:30 Lunch

1:30 EW of Ni, Mn and EMD

3:00 Afternoon tea

3:15 Case studies

Day 2

9:00 Electrocrystallization

10:30 Morning coffee

10:45 Mass transport

Current distribution

12:30 Lunch

1:15 Energy Consumption

Practical Considerations

3:00 Afternoon tea

3:15 Workshop

NOTE: registration closes 21st October

For further information about our other hydrometallurgy courses please visit our website

www.scieng.murdoch.edu.au/mineral/index.html

For other information contact Nick Welham

nicholas.welham@murdoch.edu.au ☎ (08) 9360 2831

PRESENTERS

These courses have been developed and used at Murdoch University as part of the Minerals Tertiary Education Council's initiative. They will be led by Professor Mike Nicol and Dr Nick Welham. Similar courses in electrowinning have recently been presented to and well received by the following organizations:

BHPBilliton, Chile

Phelps Dodge, USA

Universite Mineas Gerais, Brazil

Amplats, South Africa

TeckCominco, Canada and Peru

REGISTRATION FORM

Please copy this form if you wish to send more delegates to the course. If you plan to register three or more delegates please contact us to discuss discounts. Note that it is desirable to attend the Basic Course if planning to participate in the Advanced Course.

I wish to register for the following Electrowinning and Cementation short course(s) in Brisbane:

Basic, November 9-10 \$1100 []

Advanced, November 11 \$660 []

Both, November 9-11 \$1650 []

THESE FEES INCLUDE GST. ABN: 32 050 400 118.

Name:.....

Company:.....

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Please debit my Bankcard Mastercard Visa for the amount of \$

Card No. _____

Expiry date: _____

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If you would prefer to be invoiced please complete the form and add any details necessary for invoicing, e.g. purchase number, financial officer etc

Please return the completed form to

Lyn Sunderland, Extractive Metallurgy, Murdoch University, South Street, Murdoch WA6150, minmet@murdoch.edu.au, Fax:: 08 9360 6343