SHORT COURSE
GRADE CONTROL IN UNDERGROUND GOLD OPERATIONS (1 day)

20 MAY 2024
MISTY HILLS CONFERENCE CENTRE MULDERSDRIFT, JOHANNESBURG SOUTH AFRICA

SAIMM
THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY

Course provider: Dr Simon Dominy

The short course will provide attendees with knowledge and critical understanding of underground sampling methods. It has been designed for anyone involved with the design, implementation and monitoring of an underground grade control programme. The presenter will make extensive use of case studies from Australia, South America and Europe. Participants will be encouraged to discuss their own mine grade control approaches.

Attendees will learn about:

- Grade control *versus* ore control
- Importance and value of good sampling
- Applied 'Theory of Sampling' and notion of representativity
- Relative pros and cons of different sampling methods
- How to sample correctly in an underground environment
- Sampling QAQC and error determination
- Designing and implementing grade control systems.

Whilst targetted at underground gold mine grade control, much of the course content will be applicable to any commodity.

About the Presenter

Dr Simon Dominy is a mining geologist/engineer whose career has included technical and leadership roles in underground mine operations, academia and consulting. His professional practice and research have addressed the challenges associated with the evaluation of high-nugget effect and coarse gold-bearing mineralized systems. He has extensive experience in orebody characterization, sampling optimization, QA/QC, resource development, bulk sampling and trial mining programmes, metallurgical sampling and pilot studies and mine grade control systems. He is a Visiting Associate Professor at the Camborne School of Mines, University of Exeter, UK. Simon is currently working on gold projects and mine operations across Australia, Europe and South America

[Note this course draws on examples from Australia, Europe and South America. It does not include any discussion or examples from mines in the Witwatersrand]

FOR FURTHER INFORMATION, CONTACT:

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