



Drilling Methods and Techniques in Resource Delineation

Presented by Colin Rice

22 - 24 February 2017

Avianto, Muddersdrift

24 GSSA CPD
POINTS FOR
GSSA MEMBERS

This three day course provides a practical overview of all aspects of exploration drilling for practicing geologists and related professionals. The course is interactive and questions and discussions of on-site problems are encouraged. Participants will receive a set of printed course notes and a copy of "The Diamond Drilling Handbook" by Dr W.F. Heinz.

Programme Topics:

- Fundamentals of Drilling Operations
- Drilling Methods
- Common drilling calculations
- Fundamentals of Borehole Surveying
- Fundamentals of Directional Drilling
- The use of Drilling Fluids

The program will commence at 08:30 and will finish at 16:00 each day.

Who Should Attend?:

The course will assist all persons involved in drilling projects to understand the role of drilling in the mining industry, the physical principles of drilling as well as in understanding a range of different drilling methods commonly used in exploration projects. The functions and properties of drill fluids, the fundamentals of borehole surveying and an introduction to directional drilling concepts are also covered. The course is therefore aimed at Geologists (old and young), Project Engineers, Consultants, Financiers and Safety Professionals.



Colin Rice

About Colin Rice:

After leaving university, Colin taught high school mathematics in Zimbabwe for 8 years before moving to South Africa in 1984. He has been actively involved in many aspects of the Southern African drilling industry since 1984, he was a founder partner in SA Mud Services (Pty) Ltd, later SAMCHEM (Pty) Ltd and he was Managing Director of Professional Diamond Drilling Equipment (Pty) Ltd for 11 years when the company was acquired by Atlas Copco AB. In 1995 Colin and his business partner launched Borehole Survey (Pty) Ltd and imported the very first electronic borehole survey tools into the country. Borehole Survey (Pty) Ltd was a first service company in sub-Saharan Africa to utilize state of the art electronic survey tools and the successful application of electronic survey technology acted a springboard for the systems in other African countries.

Colin has always had a keen interest in improving the level of understanding of drilling principles through training and was responsible for setting up the National Diploma, Drilling Practice Course at Technikon SA. He has been delivering drilling and exploration related courses at a number of institutions and in a number of other Southern African countries for the past 20 years.

Colin is the Chairman of the newly launched Drilling Industry Certification Authority of South Africa (DICASA), is an Honorary Fellow of the GSSA and is President of the Borehole Water Association of Southern Africa

"Great course!
Very Insight-ful"

"It was a pleasure
to learn from the
expertise of colin!"

"Great course, it will
change the way I
interact with the
drilling contractors"

Programme

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Speaker

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