



Presents a three day course on

GEOTECHNICAL CORE LOGGING, SOIL PROFILING AND CHIP LOGGING

SAICE House,
Block 19, Thornhill Office Park, Vorna Valley, Johannesburg

**Wednesday 29th, Thursday 30th September &
Friday 1st October 2010**

*3 ECSA CPD points will be allocated to delegates attending all three days.
Delegates only attending parts of the course will be allocated 1 ECSA CPD point per day
attended. Course Reference SAIMM (to follow).*

THIS COURSE IS DESIGNED FOR:

- Young or learner geotechnical engineers and engineering geologists
- Soil laboratory or geotechnical technologists
- Foreign geotechnical practitioners who need an introduction to the widely used South African methodology
- Mine geologists working in the geotechnical field

DAY 1 – CORE LOGGING

Wednesday 29th September 2010 full day

The course content provides:

- Theoretical background
- Drilling methodology
- What should be recorded on the driller's log
- Common problems encountered
- Core logging methodology
- What should appear on the typical profile sheet
- Core photography
- Safety and environmental issues

The afternoon will comprise of a practical session in the field under the tutelage of practising professionals.

DAY 2 AND MORNING OF DAY 3 - SOIL PROFILING

Thursday 30th September all day and morning of Friday 1st October 2010

The course content provides:

- Theoretical background
- Introduction to the origin of soils including the modes of weathering, the value of Weinert's N value, typical components of a soil profile, basic problem soil types
- Soil profiling methodology
- Equipment required
- Sampling of soils
- What should appear on the typical profile sheet
- Safety and environmental issues

The afternoon and the following morning will comprise of a practical session in the field under the tutelage of practising professionals. Two different sites, covering both cohesive and non-cohesive soils, will be visited and a practical session will be held at each.

AFTERNOON OF DAY 3 – CHIP LOGGING

Friday 1st October 2010 afternoon only

It is preferable that delegates attending the CHIP LOGGING course should have attended both the Core Logging and Soil Profiling courses or at least be reasonably experienced practitioners.

The course content provides:

- Theoretical background
- What should be recorded on the driller's log
- Chip logging methodology
- Equipment required
- What should appear on the typical profile sheet
- Safety and environmental issues

A short practical session will be held after the theoretical introduction.

REGISTRATION FOR THE COURSE

Please find the registration form attached. The registration fee for this course includes:

- Tea & coffee breaks
- Lunches (*except for delegates only attending Chip Logging course*)
- Transport to/from field sites
- Course materials

WHAT TO BRING WITH YOU

- Appropriate clothing including sturdy field shoes and a hat
- Geological pick
- Tape measure; 3m or 5m retractable tape
- Water bottle
- Hand lens

COURSE TIMES

- Registration opens at 07:00
- The courses commence at 08:00
- The Chip Logging course commences at 13:30 for 14:00

Please send your completed registration form to Yolandé Oosthuizen register@rca.co.za / secretariat@saieg.co.za or fax it to 011 728 1675 / 086 653 7108.

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