



Presents a three day course on

GEOTECHNICAL SOIL PROFILING, CHIP LOGGING AND CORE LOGGING

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

**Wednesday 6th, Thursday 7th &
Friday 8th April 2011**

***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 AND MORNING OF DAY 2 - SOIL PROFILING

Wednesday 6th April all day and morning of Thursday 7th April 2011

The course content provides:

- Theoretical background
- Introduction to the origin of soils including the modes of weathering, the value of Weirner'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 be 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 2 – CHIP LOGGING

Thursday 7th April 2011 afternoon only

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.

DAY 3 – CORE LOGGING (FULL DAY)

Friday 8th April 2011

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 practical session in the field will be under the tutelage of practising professionals.

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
- Practical sessions (drinks in the field supplied)
- Course materials and CD

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
- Pocket knife (for core logging)

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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