Description and classification of rocks and soils for engineering purposes

Intended audience

All geoscientists who deal with or are likely to be involved with the geological aspects of civil engineering and engineering geology; in particular field geologists and those who describe earth materials.

Course objectives

- To introduce the subject of engineering geology.
- To explain how earth materials are described and classified for engineering purposes and outline how this information is used.
- To enable geologists and others to include information focussed to the needs of the engineering geologist/civil engineer industry in geological reports.

Course description

This introductory course provides an understanding of how earth materials are described and classified for engineering purposes. It is based on the recently revised BS5930:1999 + A2:2010 — Code of Practice for Site Investigation.

The course covers the following main topics:

- What is an engineering soil?
- What is an engineering rock?
- Soil description and classification.
- Rock description and classification.
- Description of discontinuities.
- Rock mass classification.
- Weathering.

UK engineering geological maps (1:1000 000 scale): Western portion — superficials deposits. Eastern portion — bedrock.

Course duration

2 days

Delivery mode

The course is mainly classroom-based but includes some laboratory and core description work

Course fee

£450

Course fee based on delivery at BGS's training centres

Date(s)

As required

Location

This course is available at our Nottingham (Keyworth) and Edinburgh training centres, and can be made available at customer premises by arrangement