Advanced Soil Mechanics (CEGE0031)

Description
This course reinforces knowledge in fundamental soil mechanics theory and it was developed to recognise the limitations of current frameworks used to describe natural soil behaviour, principally by analysing triaxial laboratory test data from real natural soils. Prediction of soil behaviour is introduced with the application of plasticity solutions to known geotechnical problems such as foundations and retaining walls. The course also gives information about basic constitutive soil models, as well as a brief introduction to numerical analysis. At the end of the course a seminar by a practicing engineer, from a consulting company, will also be organised in order to explain the implications of soil behaviour to industry.

Key information
- **Year**: 2019/20
- **Credit value**: 15 (150 study hours)
- **Delivery**: PGT L7, Campus-based
- **Reading List**: View on UCL website
- **Tutor**: Dr Helen Cheng
- **Term**: Term 1
- **Timetable**: View on UCL website

Assessment

Find out more
For more information about the department, programmes, relevant open days and to browse other modules, visit ucl.ac.uk

Disclaimer: All information correct as of August 2019. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.
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