

# COURSE DETAIL

## SOILS AND ENGINEERING GEOLOGY

**Country**

United Kingdom - England

**Host Institution**

Imperial College London

**Program(s)**

English Universities, Imperial College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Civil Engineering

**UCEAP Course Number**

118

**UCEAP Course Suffix**

Y

**UCEAP Official Title**

SOILS AND ENGINEERING GEOLOGY

**UCEAP Transcript Title**

SOILS&ENGIN GEOLOGY

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

**Course Description**

This course studies soils and engineering geology. Students design a geotechnical site investigation that accounts appropriately for the geological context; decide whether design problems involve drained or undrained loading; derive appropriate design parameters for soil strength, compressibility, consolidation, and permeability from laboratory test data; analyze simple stability problems for design; and predict flow rates and pore pressures in simple seepage design problems.

**Language(s) of Instruction**

English

**Host Institution Course Number**

CI2-250

**Host Institution Course Title**

SOILS AND ENGINEERING GEOLOGY

**Host Institution Campus**

Imperial College London

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Civil Engineering

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