

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 Course Details

Host Institution Campus

Imperial College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Civil Engineering

Course Last Reviewed

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