

COURSE DETAIL

GEOTECHNICAL ENGINEERING 2

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

113

UCEAP Course Suffix**UCEAP Official Title**

GEOTECHNICAL ENGINEERING 2

UCEAP Transcript Title

GEOTECHNICAL ENGR 2

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course introduces soil mechanics and engineering geology for geotechnical engineering applications such as foundations, rail construction, and tunnels. It considers the fundamental mechanics of soils as a heterogeneous mixture of air, water, and solid particles and the origin of these materials from their parent rocks. It analyses the deformation of natural and man-made structures that comprise or are built upon soil, and the flow of fluids within them. It develops an understanding of how the fundamental principles of geological sciences influence the design and construction of engineering structures.

Language(s) of Instruction

English

Host Institution Course Number

CIVE08025

Host Institution Course Title

GEOTECHNICAL ENGINEERING 2

Host Institution Campus

Host Institution Faculty

School of Engineering

Host Institution Degree

Host Institution Department

[Print](#)