

# 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 Course Details

<http://www.drps.ed.ac.uk/24-25/dpt/cxcive08025.htm>

## Host Institution Campus

## Host Institution Faculty

School of Engineering

## Host Institution Degree

## Host Institution Department

## Course Last Reviewed

2024-2025

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