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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