

COURSE DETAIL

GEOTECHNICS 1

Country

United Kingdom - England

Host Institution

University of Manchester

Program(s)

University of Manchester

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

155

UCEAP Course Suffix**UCEAP Official Title**

GEOTECHNICS 1

UCEAP Transcript Title

GEOTECHNICS 1

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

In this course, students learn to understand the basic background behind soil mechanics and geotechnical engineering and their importance and relevance in civil engineering; the importance of basic geology in civil engineering and learn about the three rock groups and origin of soils; classification of different type of soils; the principle of soil compaction and representing soil as a three-phase system; and the mechanics behind the flow of water through soils and to understand the concept of permeability of soils.

Language(s) of Instruction

English

Host Institution Course Number

CIVL10212

Host Institution Course Title

GEOTECHNICS 1

Host Institution Campus

University of Manchester

Host Institution Faculty

Host Institution Degree

Host Institution Department

Department of Mechanical, Aerospace & Civil Engineering

[Print](#)