

# 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 Course Details

<https://www.manchester.ac.uk/study/undergraduate/courses/2024/03343/beng-civil-...>

## Host Institution Campus

University of Manchester

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Department of Mechanical, Aerospace & Civil Engineering

## Course Last Reviewed

2023-2024

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