

COURSE DETAIL

ENGINEERING DESIGN 1

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering

UCEAP Course Number

109

UCEAP Course Suffix**UCEAP Official Title**

ENGINEERING DESIGN 1

UCEAP Transcript Title

ENGINEERING DESIGN 1

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

Design is often regarded as the central creative activity of engineering. This course develops a foundation for the skills of analysis, synthesis, and communication required to develop solutions to open-ended problems. It focuses on three things: (1) understanding an engineering problem, (2) finding a solution to it, (3) communicating that solution to others. This course is predominantly taught through interactive team-based design studio sessions with support from lectures on topics including the philosophy, history, and ethics of engineering design. A series of group activities with mini assessments will cover key skills like research, problem solving, and the graphic, verbal, or written communication of engineering concepts.

Language(s) of Instruction

English

Host Institution Course Number

SCEE08011

Host Institution Course Title

ENGINEERING DESIGN 1

Host Institution Course Details

<http://www.drps.ed.ac.uk/22-23/dpt/cxscee08011.htm>

Host Institution Campus

University of Edinburgh

Host Institution Faculty

School of Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed

2022-2023

[Print](#)