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 ENGINEERNG 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

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