COURSE DETAIL

DESIGN AND MANUFACTURE 2

Country
United Kingdom - England

Host Institution
Imperial College London

Program(s)
Imperial College London

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mechanical Engineering

UCEAP Course Number
135

UCEAP Course Suffix
Y

UCEAP Official Title
DESIGN AND MANUFACTURE 2

UCEAP Transcript Title
DESIGN&MANUFACTRE 2

UCEAP Quarter Units
10.00

UCEAP Semester Units

6.70

Course Description

This course teaches students to acquire the knowledge and ability to design and analyze complex mechanical systems. This teaches students about the design process, product design specification, computer-aided design, design for manufacturing, equivalent stresses and failure criteria, transmissions and machine elements, prototyping, fatigue, shaft design, practical workshop skills, conceptual design, motors and batteries, design in plastics, ergonomics, and intellectual property.

Language(s) of Instruction
English

Host Institution Course Number
MECH50009

Host Institution Course Title
DESIGN AND MANUFACTURE 2

Host Institution Course Details
https://www.imperial.ac.uk/mechanical-engineering/study/undergraduate/detailed-...

Host Institution Campus
Kensington

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mechanical Engineering

Course Last Reviewed
2023-2024

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