

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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