

# COURSE DETAIL

## MANUFACTURING AND DESIGN

**Country**

United Kingdom - England

**Host Institution**

University College London

**Program(s)**

University College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mechanical Engineering

**UCEAP Course Number**

112

**UCEAP Course Suffix****UCEAP Official Title**

MANUFACTURING AND DESIGN

**UCEAP Transcript Title**

MANUFACTURING&DESIGN

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course covers the process of engineering design, manufacturing methods, and the relationship between them. The course trains students in the methodology of all stages of engineering design: from the analysis of the client statement to the manufacturing of the design. It develops the practical, theoretical, and computational engineering skills relevant to the design process. It also develops an appreciation of sustainability in engineering design, and an understanding of how design decisions can affect the environmental and economic costs of the design and product.

## Language(s) of Instruction

English

## Host Institution Course Number

MECH0009

## Host Institution Course Title

MANUFACTURING AND DESIGN

## Host Institution Course Details

<https://www.ucl.ac.uk/module-catalogue/modules/manufacturing-and-design-MECH0009>

## Host Institution Campus

University College London

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Mechanical Engineering

## Course Last Reviewed

2022-2023

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