

# COURSE DETAIL

## DESIGN, MAKE AND TEST PROJECT

**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**

170

**UCEAP Course Suffix**

Y

**UCEAP Official Title**

DESIGN, MAKE AND TEST PROJECT

**UCEAP Transcript Title**

DESIGN&TEST PROJECT

**UCEAP Quarter Units**

20.00

**UCEAP Semester Units**

13.30

### **Course Description**

Students usually work in groups of four throughout the year on a major design, make, and test activity. This is based on a project brief approved by the department, or is an agreed subtask of a wider research team. The group is required to develop the brief as a product specification, in collaboration with the supervisor acting as client. The group must also keep full records of the subsequent design, manufacture and test activities in compliance with industrial standards, including the use of logbooks, design review, formal reports, and both poster and oral presentations. The project culminates in the high profile DMT Exhibition. Throughout the project, each student is required to work to processes detailed in a Quality Plan that their group must write and maintain.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

MECH60003

### **Host Institution Course Title**

DESIGN, MAKE AND TEST PROJECT

### **Host Institution Campus**

Kensington

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Mechanical Engineering

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