

# COURSE DETAIL

## FLUID MECHANICS 1

**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 Engineering Chemical Engineering

**UCEAP Course Number**

103

**UCEAP Course Suffix**

Y

**UCEAP Official Title**

FLUID MECHANICS 1

**UCEAP Transcript Title**

FLUID MECHANICS 1

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

### **Course Description**

This course establishes a strong foundation and understanding of elementary fluid mechanics. After establishing the basics of the mathematical description of fluids, fluid statics and dynamics are covered, the latter employing control volume analysis. The knowledge is put to application, particularly in the last part of the course which focuses on internal flows.

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

English

### **Host Institution Course Number**

MECH40002

### **Host Institution Course Title**

FLUID MECHANICS 1

### **Host Institution Course Details**

<https://www.imperial.ac.uk/mechanical-engineering/study/undergraduate/detailed-...>

### **Host Institution Campus**

Imperial College

### **Host Institution Faculty**

Faculty of Engineering

### **Host Institution Degree**

### **Host Institution Department**

Mechanical Engineering

### **Course Last Reviewed**

2023-2024

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