

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

[Print](#)