

COURSE DETAIL

THERMODYNAMICS 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

UCEAP Course Number

113

UCEAP Course Suffix

Y

UCEAP Official Title

THERMODYNAMICS 1

UCEAP Transcript Title

THERMODYNAMICS 1

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course teaches the fundamental laws of thermodynamics and how they can be used to solve a range of simple engineering problems. The pace of the course takes account of students' lack of familiarity with the subject from pre-university studies. The aim of the lectures and tutorials is to develop analytical skills and some design appreciation, involving awareness of the interaction between thermodynamics and considerations of energy resources, materials, solid mechanics, economics, the environment, etc.

Language(s) of Instruction

English

Host Institution Course Number

MECH40003

Host Institution Course Title

THERMODYNAMICS 1

Host Institution Course Details

[https://www.imperial.ac.uk/mechanical-
engineering/study/undergraduate/detailed-...](https://www.imperial.ac.uk/mechanical-engineering/study/undergraduate/detailed-...)

Host Institution Campus

Imperial College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

Course Last Reviewed

2021-2022

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