

COURSE DETAIL

THERMODYNAMICS

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

106

UCEAP Course Suffix**UCEAP Official Title**

THERMODYNAMICS

UCEAP Transcript Title

THERMODYNAMICS

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course offers an introduction to equilibrium thermodynamics. The course covers the First and Second Laws of thermodynamics, along with the concepts of temperature, internal energy, heat, entropy, and the thermodynamic potentials. The course also considers the applications of thermodynamic concepts to topics such as heat engines, the expansion of gases, and changes of phase. The Third Law, and associated properties of entropy, completes the course.

Language(s) of Instruction

English

Host Institution Course Number

PHYS09021

Host Institution Course Title

THERMODYNAMICS

Host Institution Course Details

<http://www.drps.ed.ac.uk/24-25/dpt/cxphys09021.htm>

Host Institution Campus

Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics and Astronomy

Course Last Reviewed

2024-2025

[Print](#)