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

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