

COURSE DETAIL

THERMODYNAMICS

Country

Hong Kong

Host Institution

Hong Kong University of Science and Technology (HKUST)

Program(s)

Hong Kong University of Science and Technology

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

31

UCEAP Course Suffix**UCEAP Official Title**

THERMODYNAMICS

UCEAP Transcript Title

THERMODYNAMICS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This is an introductory course in thermodynamics. Course topics include: fundamental concepts; pure substance; work and heat; control volume; ideal and real gases; first and second laws of thermodynamics; entropy; elementary power and refrigeration cycles.

Language(s) of Instruction

English

Host Institution Course Number

MECH2310

Host Institution Course Title

THERMODYNAMICS

Host Institution Campus

HKUST, Engineering

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Mechanical and Aerospace Engineering

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