

# 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 Course Details****Host Institution Campus**

HKUST, Engineering

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

Mechanical and Aerospace Engineering

**Course Last Reviewed**

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