

COURSE DETAIL

ENGINEERING THERMODYNAMICS

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

112

UCEAP Course Suffix**UCEAP Official Title**

ENGINEERING THERMODYNAMICS

UCEAP Transcript Title

ENGR THERMODYNAMICS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

Engineering Thermodynamics is a branch of science and engineering, covering topics in power cycles, air-conditioning, heat transfer, and combustion. The course objectives are to: provide fundamental principles of the latest technologies of thermodynamics from a mechanical engineering perspective; apply and practice the knowledge in relevant industry and profession, such as power generation, automotive, and building services, etc. Topics include: IC engines; steam and gas power plants; refrigeration; jet propulsion; gas mixture; psychrometry and air-conditioning; introduction to heat transfer and combustion. Assessment: practical work, continuous assessment, final exam.

Language(s) of Instruction

English

Host Institution Course Number

MECH3402

Host Institution Course Title

ENGINEERING THERMODYNAMICS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

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