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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mechanical Engineering

Course Last Reviewed

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