COURSE DETAIL

APPLIED THERMODYNAMICS (MECHANICAL)
Country United Kingdom - England
Host Institution University of Manchester
Program(s) English Universities,University of Manchester
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mechanical Engineering
UCEAP Course Number 116
UCEAP Course Suffix
UCEAP Official Title APPLIED THERMODYNAMICS (MECHANICAL)
UCEAP Transcript Title APPL THERMODYN/MECH
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description
This course explores steam turbine and gas turbine power systems such as road transportation, buses, aircraft, ships, refrigeration, and air conditioning. Students analyze them in terms of their cycle representations, thermodynamic efficiencies, work/heat inputs/outputs, fuel consumptions, etc. These analyses include the heat input to these systems which comes from internal combustion of fuel in air.

Language(s) of Instruction
English

Host Institution Course Number
MACE20035

Host Institution Course Title
APPLIED THERMODYNAMICS (MECHANICAL)

Host Institution Course Details

Host Institution Campus
University of Manchester

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mechanical, Aerospace and Civil Engineering

Course Last Reviewed

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