COURSE DETAIL

AERODYNAMICS

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
Upper Division

UCEAP Subject Area(s)
Mechanical Engineering Engineering

UCEAP Course Number
142

UCEAP Course Suffix

UCEAP Official Title
AERODYNAMICS

UCEAP Transcript Title
AERODYNAMICS

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

This course examines irrotational flow, circulation, 2D airfoils, thin airfoil theory, 3D wings, lifting line theory, boundary layers, turbulence, supersonic flow, shock waves, expansion fans, transonic flow, and swept wings.

Language(s) of Instruction
English

Host Institution Course Number
MECH3640

Host Institution Course Title
AERODYNAMICS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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