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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2023-2024

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