

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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