

# 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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