

# COURSE DETAIL

## INTRODUCTION TO AEROSPACE ENGINEERING

**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**

Lower Division

**UCEAP Subject Area(s)**

Mechanical Engineering

**UCEAP Course Number**

17

**UCEAP Course Suffix****UCEAP Official Title**

INTRODUCTION TO AEROSPACE ENGINEERING

**UCEAP Transcript Title**

INTRO AEROSPACE ENG

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course provides an overview of topics pertaining to aerospace engineering. The focus is mainly on aeronautical engineering (atmospheric vehicles), with topics covering aerodynamics, structures, aircraft performance, thermodynamics, and propulsion (engine). The course also introduces the non-engineering aspects of the field, including the airline industry, cost estimation, environmental impacts of aviation, policy, and regulations. A brief introduction of astronautical engineering (space flights and rocket science) is given near the end of the course.

## Language(s) of Instruction

English

## Host Institution Course Number

MECH1907

## Host Institution Course Title

INTRODUCTION TO AEROSPACE ENGINEERING

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Mechanical and Aerospace Engineering

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