

# 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 Course Details**

## **Host Institution Campus**

## **Host Institution Faculty**

## **Host Institution Degree**

## **Host Institution Department**

Mechanical and Aerospace Engineering

## **Course Last Reviewed**

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