

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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