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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