

COURSE DETAIL

AIRCRAFT DESIGN AND PROPULSION

Country

China

Host Institution

Peking University, Beijing

Program(s)

Peking University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering

UCEAP Course Number

170

UCEAP Course Suffix**UCEAP Official Title**

AIRCRAFT DESIGN AND PROPULSION

UCEAP Transcript Title

AIRCRAFT DESIGN

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course focuses on the key principles of jet propulsion technology, the basic structure of aircraft engines, and key design methods. It will help students understand the key criteria for selecting engines for current aircraft, and familiarize them with the basic structure, primary functions, and fundamental technical parameters of each aircraft engine component. Students will also learn how to apply this foundational knowledge to complex engineering problems. This course will empower students to select power systems for various aircraft and design the key technical parameters of powerplants for new flight systems.

Language(s) of Instruction

Host Institution Course Number

00333790

Host Institution Course Title

AIRCRAFT DESIGN AND PROPULSION

Host Institution Course Details

<https://dean.pku.edu.cn/service/web/courseDetailEn.php?flag=1&zxjhbh=BZ25261003...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

[Print](#)