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

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