

# COURSE DETAIL

## FLIGHT DYNAMICS AND CONTROL

**Country**

China

**Host Institution**

Peking University, Beijing

**Program(s)**

Peking University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Engineering

**UCEAP Course Number**

151

**UCEAP Course Suffix****UCEAP Official Title**

FLIGHT DYNAMICS AND CONTROL

**UCEAP Transcript Title**

FLIGHT DYNMC&CONTRL

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course teaches force analysis of aircraft, methods for establishing flight motion equations, scheme flight and aircraft performance, guided flight and guidance law, linearization approximation method of flight motion, analysis of flight dynamic characteristics, aircraft stability and maneuverability, basic structure and basic principles of flight control system, and flight control methods.

### Language(s) of Instruction

Chinese

### Host Institution Course Number

00332760

### Host Institution Course Title

FLIGHT DYNAMICS AND CONTROL

### Host Institution Course Details

<https://dean.pku.edu.cn/service/web/courseSearchEn.php>

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

### Course Last Reviewed

2025-2026

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