

COURSE DETAIL

FLUID MECHANICS

Country

China

Host Institution

Tsinghua University

Program(s)

Tsinghua University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

164

UCEAP Course Suffix**UCEAP Official Title**

FLUID MECHANICS

UCEAP Transcript Title

FLUID MECHANICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

By teaching the basic concepts, basic theories and practical applications of fluid mechanics, students will be able to enter flow-related professional studies, scientific research or engineering design to lay a solid foundation in fluid mechanics.

This course focuses on training students' comprehensive and detailed observation and computational analysis skills of flow phenomena, and cultivates students' scientific thinking methods to grasp the key points from the complex fluid movements and then extract fluid mechanics models from the basic principles. Actively guide students to pay attention to the understanding of physical concepts and the nature of flow, and learn from theory and practice through the study of engineering examples.

Language(s) of Instruction

English

Host Institution Course Number

20310464

Host Institution Course Title

FLUID MECHANICS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

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