

COURSE DETAIL

FLUID MECHANICS

Country

Japan

Host Institution

Tohoku University

Program(s)

Engineering and Science

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

114

UCEAP Course Suffix

AW

UCEAP Official Title

FLUID MECHANICS

UCEAP Transcript Title

FLUID MECHANICS

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course explores the fundamentals of fluid motion and phenomena to understand how to calculate pressures and velocities in both static and flowing fluids, forces on submerged objects, and dimensionless numbers for the design of experiments.

Required course prerequisites: Analysis, Linear Algebra, Mathematics, and Physics.

Language(s) of Instruction

English

Host Institution Course Number

N/A

Host Institution Course Title

FLUID MECHANICS I

Host Institution Course Details

<https://uceap.sharepoint.com/:b:/s/DocumentLibrary/IQALW0ZJBRp0Ta7EJQC HIMq4ASoZ...>

Host Institution Campus

Tohoku University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering

Course Last Reviewed

2025-2026

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