COURSE DETAIL

FLUID MECHANICS II

Country
Taiwan

Host Institution
National Taiwan University

Program(s)
National Taiwan University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mechanical Engineering

UCEAP Course Number
110

UCEAP Course Suffix
B

UCEAP Official Title
FLUID MECHANICS II

UCEAP Transcript Title
FLUID MECHANICS II

UCEAP Quarter Units
4.50

UCEAP Semester Units

3.00

Course Description

This course is a continuation and extension both in materials and depth of Fluid Mechanics I, which is a fundamental and required course of the Department of Mechanical Engineering. This course provides students with a clear picture and explanation of flow phenomena but also enhance their capability of analysis of engineering problems. This course covers the following topics: Kinematics of Fluids; Governing Equations; Elements of Ideal-Fluid Flow; Viscous Flow Theory; Elements of Turbulent Flow; Steady One-Dimensional Compressible Flow, and Oblique shock and Expansion Waves.

Language(s) of Instruction
English

Host Institution Course Number
ME3903

Host Institution Course Title
FLUID MECHANICS (II)

Host Institution Course Details
https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=502%2031020&c...

Host Institution Campus

Host Institution Faculty
College of Engineering

Host Institution Degree

Host Institution Department
Department of Mechanical Engineering

Course Last Reviewed

2024-2025

Print