COURSE DETAIL

FLUID MECHANICS FOR ENGINEERS
Country Australia
Host Institution University of New South Wales
Program(s) University of New South Wales
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Engineering
UCEAP Course Number 116
UCEAP Course Suffix
UCEAP Official Title FLUID MECHANICS FOR ENGINEERS
UCEAP Transcript Title FLUID MECH FOR ENG
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course examines the principles of fluid mechanics. Topics discussed include fluid properties; hydrostatics; buoyancy; pressures in fluid systems; principles of mass conservation; steady flow energy equations; flow measurement; forces and momentum in flowing fluids; dimensional analysis, similarity and physical modelling; pipe flow; incompressible laminar and turbulent flow in pipes; friction factor; elementary boundary layer flow; skin friction and drag; pumps and turbines; and pump and pipeline system characteristics.

Language(s) of Instruction
English

Host Institution Course Number
ENGG2500

Host Institution Course Title
FLUID MECHANICS FOR ENGINEERS

Host Institution Course Details
https://www.unsw.edu.au/course-outlines/course-outline#year=2023&term=Term%203&...

Host Institution Campus

Host Institution Faculty
School of Civil and Environmental Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed
2023-2024

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