COURSE DETAIL

FLUID MECHANISMS
Country United Kingdom - England
Host Institution University of Manchester
Program(s) University of Manchester
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 119
UCEAP Course Suffix
UCEAP Official Title FLUID MECHANISMS
UCEAP Transcript Title FLUID MECHANICS
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description
This course introduces continuum mechanics in general and theoretical fluid mechanics in particular. Fluid mechanics predicts the properties (pressure, density, velocity etc.) of liquids and gases under external forces. Examples of studied liquids include water, blood, and air. Of the many diverse fields where an understanding of the motion of fluids is important, one can mention oceanography and meteorology (in particular the dynamics of ocean circulation and weather forecasting), biological fluid dynamics (for example, blood flows through arteries), and aerodynamics.

Language(s) of Instruction
English

Host Institution Course Number
MATH20502

Host Institution Course Title
FLUID MECHANICS

Host Institution Course Details
https://my.manchester.ac.uk/uPortal/p/course-unit-info.ctf1/max/render.uP?pP_lo...

Host Institution Campus
University of Manchester

Host Institution Faculty

Host Institution Degree

Host Institution Department
School of Mathematics

Course Last Reviewed
2019-2020

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