

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 MECHANISMS

Host Institution Campus

University of Manchester

Host Institution Faculty

Host Institution Degree

Host Institution Department

School of Mathematics

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