

COURSE DETAIL

FLUID MECHANICS I

Country

Germany

Host Institution

Technical University Berlin

Program(s)

Technical University Berlin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

100

UCEAP Course Suffix

A

UCEAP Official Title

FLUID MECHANICS I

UCEAP Transcript Title

FLUID MECHANICS I

UCEAP Quarter Units

5.50

UCEAP Semester Units

3.70

Course Description

The course is the first of two fluid mechanics courses that are taught concurrently in a single semester. Students take Fluid Mechanics I and then either Fluid Mechanics II (Technique and Examples) or II (Higher Flow Level). This course discusses the fundamental concepts of fluid mechanics including hydrostatic and kinematic behavior of fluids, differential and integral laws of conservation, laminar and turbulent flow, and the theory behind fluid dynamics. The course consists of two hour lectures which review the course concepts, and two hour seminars in which students solve problems.

Language(s) of Instruction

German

Host Institution Course Number

0531 L 101,0531 L 10

Host Institution Course Title

FLUID MECHANICS I

Host Institution Campus

Host Institution Faculty

FAKULTÄT V VERKEHRS- UND MASCHINENSYSTEME

Host Institution Degree

Host Institution Department

Strömungsmechanik und Technische Akustik

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