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
STRÖMUNGSLEHRE I - GRUNDLAGEN

Host Institution Course Details
http://www.lsf.tu-berlin.de/qisserver/servlet/de.his.servlet.RequestDispatcherS...

Host Institution Campus

Host Institution Faculty
FAKULTÄT V VERKEHRS- UND MASCHIENENSYSTEME

Host Institution Degree

Host Institution Department
Strömungsmechanik und Technische Akustik

Course Last Reviewed
2021-2022

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