COURSE DETAIL

FLUID MECHANICS I
Country Spain
Host Institution Carlos III University of Madrid
Program(s) Carlos III University of Madrid
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Engineering
UCEAP Course Number 118
UCEAP Course Suffix
UCEAP Official Title FLUID MECHANICS I
UCEAP Transcript Title FLUID MECH I
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course covers fundamental and applied knowledge of the laws that determine fluid motion and their application to problems of interest in engineering including conservation laws for mass, momentum and energy (integral and differential form), dimensional analysis, and simplifications of general equations.

Pre-requisites: Calculus I & II, Linear Algebra, Physics I & II

Language(s) of Instruction
English

Host Institution Course Number
14164

Host Institution Course Title
MECÁNICA DE FLUIDOS I

Host Institution Course Details
https://aplicaciones.uc3m.es/cpa/generaFicha?est=251&anio=2022&plan=421&asig=14...

Host Institution Campus
Leganés

Host Institution Faculty
Escuela Politécnica Superior

Host Institution Degree
Grado en Ingeniería Aeroespacial

Host Institution Department
Ingeniería Térmica y Fluidos

Course Last Reviewed
2022-2023

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