

# 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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