

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

FLUID MECHANICS I

Host Institution Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Ingeniería Aeroespacial

Host Institution Department

Ingeniería Térmica y Fluidos

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