

COURSE DETAIL

MACHINE MECHANICS

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)

Mechanical Engineering

UCEAP Course Number

128

UCEAP Course Suffix**UCEAP Official Title**

MACHINE MECHANICS

UCEAP Transcript Title

MACHINE MECHANICS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course offers a study of the fundamentals of kinematic and dynamic behavior of rigid bodies, the theory of machines, and mechanisms. Other topics include: kinematics of planar mechanisms; dynamics of planar mechanisms; energy and power.

Pre-requisites: Physics I; Calculus I; Calculus II; Linear Algebra

Language(s) of Instruction

Host Institution Course Number

15498

Host Institution Course Title

MECÁNICA DE MÁQUINAS

Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=256&anio=2025&plan=418&asig=15...>

Host Institution Campus

LEGANÉS

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Ingeniería en Tecnologías Industriales

Host Institution Department

Departamento de Ingeniería Mecánica

Course Last Reviewed

2025-2026

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