

COURSE DETAIL

MACHINE THEORY

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

104

UCEAP Course Suffix**UCEAP Official Title**

MACHINE THEORY

UCEAP Transcript Title

MACHINE THEORY

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course offers a study of the key aspects and concepts of mechanism and machine science (MMS). Topics include: fundamental mechanisms and passive resistances; cams; spur gears; gear trains; machine regulation--flywheels, balancing; shocks and percussions in kinematic pairs; analytical mechanics applied to mechanisms; helical cylindrical gears, bevel, and hypoid gears; spatial mechanisms.

Language(s) of Instruction

Host Institution Course Number

14198

Host Institution Course Title

TEORÍA DE MÁQUINAS

Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=221&anio=2023&plan=446&asig=14...>

Host Institution Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Ingeniería Mecánica

Host Institution Department

Ingeniería Mecánica

Course Last Reviewed

2023-2024

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