

COURSE DETAIL

PRODUCTION AND MANUFACTURING SYSTEMS

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

130

UCEAP Course Suffix**UCEAP Official Title**

PRODUCTION AND MANUFACTURING SYSTEMS

UCEAP Transcript Title

PRODUCTN&MANUFACTUR

UCEAP Quarter Units

2.50

UCEAP Semester Units

1.70

Course Description

This course examines the key aspects of production and manufacturing systems. It covers manufacturing processes, production time and costs, measurement and quality control, and manufacturing design. This course discusses the environmental aspects of production processes and the definition of manufacturing processes. Additionally, it focuses on automated production systems, including CNC machines, robots, and integrated CAD-CAM-CAE systems.

Language(s) of Instruction

English

Host Institution Course Number

15092

Host Institution Course Title

SISTEMAS DE PRODUCCIÓN Y FABRICACIÓN

Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=280&anio=2025&plan=452&asig=15...>

Host Institution Campus

LEGANÉS

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Ingeniería de la Energía

Host Institution Department

Departamento de Ingeniería Mecánica

Course Last Reviewed

2025-2026

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