

# COURSE DETAIL

## ELECTRONIC INSTRUMENTATION

**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)**

Electrical Engineering

**UCEAP Course Number**

107

**UCEAP Course Suffix****UCEAP Official Title**

ELECTRONIC INSTRUMENTATION

**UCEAP Transcript Title**

ELEC INSTRUMENTATN

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course offers an introduction to electronic instrumentation, metrological characteristics, and measurement errors. Other topics include: signal conditioning for electronic sensors-- circuits, amplifiers, and modulation techniques; electronic sensors for the measurement of different physical magnitudes, their characteristics and conditioning circuits; applications of a/d conversion, d/a conversion and data acquisition in instrumentation systems.

## Language(s) of Instruction

### Host Institution Course Number

18419

### Host Institution Course Title

INSTRUMENTACIÓN ELECTRÓNICA

### Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=223&anio=2022&plan=44&asig=18...>

### Host Institution Campus

Leganés

### Host Institution Faculty

Escuela Politécnica Superior

### Host Institution Degree

Ingeniería Electrónica Industrial y Automática

### Host Institution Department

Tecnología Electrónica

### Course Last Reviewed

2022-2023

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