

# COURSE DETAIL

## ANALOG ELECTRONICS

**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**

108

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

ANALOG ELECTRONICS

**UCEAP Transcript Title**

ANALOG ELECTRONICS

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course offers an introduction to analog electronics. Topics include: transistor circuits and ASICs; current sources, basic amplifiers, and differential amplifiers; frequency response of amplifier circuits; feedback circuits; operational amplifiers, voltage regulators, and power amplifiers; active first and second order filters; oscillators, VCO, and PLL; pulse circuits.

## Language(s) of Instruction

### Host Institution Course Number

18418

### Host Institution Course Title

ELECTRÓNICA ANALÓGICA

### Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=223&anio=2023&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

2023-2024

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