

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 Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Ingeniería Electrónica Industrial y Automática

Host Institution Department

Tecnología Electrónica

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