COURSE DETAIL

INTRODUCTION TO ELECTRICAL ENGINEERING
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 104
UCEAP Course Suffix E
UCEAP Official Title INTRODUCTION TO ELECTRICAL ENGINEERING
UCEAP Transcript Title INTRO ELEC ENGR
UCEAP Quarter Units 5.00
UCEAP Semester Units

3.30

Course Description
This course explores the purposes and operation of analog and digital electronic systems. Topics include: electronic signals and systems; electronic instrumentation-- sensors and transducers; amplifiers and analog electronic subsystems; electronic components and integrated circuits; digital electronic subsystems and analog-to-digital (A/D) and digital-to-analog (D/A) conversion; power systems and energy conversion. *Previous coursework in Calculus 1, Calculus 2, Physics are required. Completion of Fundamentals of Electrical Engineering is strongly recommended. Texts: Thomas L. Floyd.. Digital Fundamentals. Pearson Prentice Hall.. Thomas L. Floyd.. Electronic Devices. Pearson Prentice Hall.. Thomas L. Floyd.. Electric Circuits Fundamentals . Pearson Prentice Hall..

Language(s) of Instruction
English

Host Institution Course Number
15079

Host Institution Course Title
FUNDAMENTOS DE INGENIERÍA ELECTRÓNICA

Host Institution Campus
Escuela Politécnica Superior. (Leganés)

Host Institution Faculty

Host Institution Degree

Host Institution Department
Tecnología Electrónica

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