COURSE DETAIL

ELECTRONIC CIRCUITS
Country Ireland
Host Institution University College Dublin
Program(s) University College Dublin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Electrical Engineering
UCEAP Course Number 120
UCEAP Course Suffix
UCEAP Official Title ELECTRONIC CIRCUITS
UCEAP Transcript Title ELECTRONIC CIRCUITS
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course deals with the analysis and design of electronic circuits containing diodes and transistors. Topics that are covered include physical operation and modeling of diodes (pn junction diode, zener diode) and transistors (MOSFET, BJT); DC analysis, large-signal and small-signal analysis of basic electronic circuits containing diodes and transistors; and design of basic electronic circuits, including simulation and laboratory exercises.

Language(s) of Instruction
English

Host Institution Course Number
EEEN20040

Host Institution Course Title
ELECTRONIC CIRCUITS

Host Institution Course Details
https://hub.ucd.ie/usis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=EEEN20040

Host Institution Campus
University College Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department
Engineering

Course Last Reviewed
2023-2024

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