

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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