

COURSE DETAIL

CONTROL THEORY

Country

Ireland

Host Institution

University College Dublin

Program(s)

University College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering Electrical Engineering

UCEAP Course Number

118

UCEAP Course Suffix

UCEAP Official Title

CONTROL THEORY

UCEAP Transcript Title

CONTROL THEORY

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

Systems do not in general naturally behave in a manner which accords with the user's wishes. Systems must in general be extended by the addition of a controller in order to force them to behave in an acceptable fashion. The controller may be a human (as in the case of the driver of a car for example), but the controller may also be a human-designed engineering system in its own right. In the latter case the controller is called an automatic controller. This course addresses the need for, the value of and the design of automatic controllers for some of the most common classes of engineering systems. Automatic controllers appear in more or less every engineering environment, from automotive/aerospace to biomedical equipment and including almost everything in between.

Language(s) of Instruction

English

Host Institution Course Number

EEEN40010

Host Institution Course Title

CONTROL THEORY

Host Institution Course Details

https://hub.ucd.ie/usis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=EEEN40010

Host Institution Campus

Host Institution Faculty

Electrical & Electronic Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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