

COURSE DETAIL

ADVANCED CONTROL

Country

United Kingdom - England

Host Institution

Imperial College London

Program(s)

Imperial College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

ADVANCED CONTROL

UCEAP Transcript Title

ADVANCED CONTROL

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

The course teaches students on modelling, analysis, and design methods in relation to continuous and discrete control systems. Introduction to state variable analysis is also provided. It is assumed that students have some knowledge of classical control theory, including frequency response methods and complex frequency methods. A level of understanding of linear algebra is also assumed. The coursework assignments are designed to give the student an opportunity to develop skills in carrying out realistic control designs using modern simulation and analysis tools.

Language(s) of Instruction

English

Host Institution Course Number

MECH70022

Host Institution Course Title

ADVANCED CONTROL

Host Institution Course Details

<https://www.imperial.ac.uk/mechanical-engineering/study/undergraduate/detailed-...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

Course Last Reviewed

2025-2026

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