

COURSE DETAIL

FEEDBACK CONTROL SYSTEMS

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

FEEDBACK CONTROL SYSTEMS

UCEAP Transcript Title

FEEDBACK CONTROL

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces various fundamental concepts in control system analysis and design. Topics include mathematical modeling of dynamical systems, time responses of first and second-order systems, steady-state error analysis, frequency response analysis of systems and design methodologies based on both time and frequency domains. The course requires students to take prerequisites.

Language(s) of Instruction

English

Host Institution Course Number

ME2142

Host Institution Course Title

FEEDBACK CONTROL SYSTEMS

Host Institution Course Details

<https://nusmods.com/courses/ME2142/feedback-control-systems>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

Course Last Reviewed

2024-2025

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