COURSE DETAIL

CONTROL SYSTEMS
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Electrical Engineering
UCEAP Course Number 124
UCEAP Course Suffix
UCEAP Official Title CONTROL SYSTEMS
UCEAP Transcript Title CONTROL SYSTEMS
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course addresses modeling and control of dynamic systems. It focuses on systems that can be modeled by Ordinary Differential Equations (ODEs), and that satisfy certain linearity and time-invariance conditions (a.k.a. LTI systems). The course also analyzes the output response of these systems to initial conditions and inputs; investigates feedback control on LTI systems, and introduces the methods of classical control techniques. Students learn how to design a controller that ensures desirable properties (e.g., stability, performance, and robustness) with a given dynamic system.

Language(s) of Instruction
English

Host Institution Course Number
EE3024

Host Institution Course Title
CONTROL SYSTEMS

Host Institution Course Details
http://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=901%2043100&cl...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Electrical Engineering

Course Last Reviewed
2022-2023

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