

COURSE DETAIL

CONTROL PRINCIPLES

Country

Hong Kong

Host Institution

Hong Kong University of Science and Technology (HKUST)

Program(s)

Hong Kong University of Science and Technology

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

CONTROL PRINCIPLES

UCEAP Transcript Title

CONTROL PRINCIPLES

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

Introduction to system equations, block diagrams, signal flow graphs, state-space systems, transient response using convolution integral, root locus and frequency response methods. Design by root locus, frequency response and state space method. Nyquist stability test.

Language(s) of Instruction

English

Host Institution Course Number

MECH3610

Host Institution Course Title

CONTROL PRINCIPLES

Host Institution Campus

HKUST, Engineering

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Mechanical and Aerospace Engineering

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