

# 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 Course Details****Host Institution Campus**

HKUST, Engineering

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

Mechanical and Aerospace Engineering

**Course Last Reviewed**

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