COURSE DETAIL

SIGNALS AND SYSTEMS
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 Lower Division
UCEAP Subject Area(s) Electrical Engineering
UCEAP Course Number 12
UCEAP Course Suffix
UCEAP Official Title SIGNALS AND SYSTEMS
UCEAP Transcript Title SIGNALS AND SYSTEMS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course examines signals and systems for modelling and analyzes a variety of engineering systems. It covers continuous- and discrete-time Fourier analysis, Laplace Transform, interactions between signals and linear time invariant (LTI) systems, sampling theorem, differential and difference equations as LTI systems, and application examples in communications, control, and multimedia.

Language(s) of Instruction
English

Host Institution Course Number
ELEC2100

Host Institution Course Title
SIGNALS AND SYSTEMS

Host Institution Course Details
https://seng.hkust.edu.hk/sites/default/files/IMCE/UG/Course%20Syllabus/Fall%20...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

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