

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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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