

COURSE DETAIL

SIGNALS AND SYSTEMS

Country

Korea, South

Host Institution

Korea Advanced Institute of Science and Technology (KAIST)

Program(s)

Korea Advanced Institute of Science and Technology, KAIST

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Electrical Engineering

UCEAP Course Number

53

UCEAP Course Suffix**UCEAP Official Title**

SIGNALS AND SYSTEMS

UCEAP Transcript Title

SIGNALS AND SYSTEMS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course covers the basic theory and principles of signal and systems, which play important roles in various communications and information systems analysis and control. Topics include linear time-invariant system theory, Fourier analysis, continuous and discrete Fourier transform, time and frequency characterization, sampling theory, Laplace transform, and the Z-transform. After completing this course, the students are expected to be familiar with system models, signal analysis, and filtering techniques that are essential for more advanced communications and information systems.

Language(s) of Instruction

English

Host Institution Course Number

EE 20002

Host Institution Course Title

SIGNALS AND SYSTEMS

Host Institution Course Details

<https://ee.kaist.ac.kr/en/node/13078/>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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