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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