COURSE DETAIL

SIGNALS AND SYSTEMS
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Electrical Engineering
UCEAP Course Number 105
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 fundamental course examines signals and systems. Topics include the relationship between signals and systems, time and frequency domain representations, Fourier and Laplace transforms, spectrum of a signal, frequency response of systems (Bode diagrams), sampling theorem, linear time invariant systems, convolution, transfer functions, stability of feedback systems, modulation and filters. The course requires students to take a prerequisite.

Language(s) of Instruction
English

Host Institution Course Number
EE2023

Host Institution Course Title
SIGNALS AND SYSTEMS

Host Institution Course Details
https://nusmods.com/courses/EE2023/signals-and-systems

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Electrical & Computer Engineering

Course Last Reviewed
2025-2026

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