

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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