

COURSE DETAIL

SYSTEMS AND SIGNALS

Country

Spain

Host Institution

Carlos III University of Madrid

Program(s)

Carlos III University of Madrid

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Bioengineering

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

SYSTEMS AND SIGNALS

UCEAP Transcript Title

SYSTEMS AND SIGNALS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course provides a study of continuous and discrete-time signals and LTI (linear and time-invariant) systems in the time and frequency domain. Topics covered include: signals; systems; Fourier series representation of continuous-time periodic signals and sequences; continuous-time Fourier transform; sampling; Laplace transform and z-transform. Students are expected to have completed coursework in calculus and linear algebra.

Language(s) of Instruction

English

Host Institution Course Number

15545

Host Institution Course Title

SEÑALES Y SISTEMAS

Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=257&anio=2024&plan=419&asig=15...>

Host Institution Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Ingeniería Biomédica

Host Institution Department

Teoría de la Señal y Comunicaciones

Course Last Reviewed

2024-2025

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