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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