UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Basis of Signal Processing

2627-1-I0302D050-I0302D066M

Aims

Students will learn the signal processing basics required for their profession.

Contents

At the end of the course, students will have acquired the basic knowledge of signal processing.

Detailed program

The course provides students with an overview of the basic principles for analyzing and manipulating signals of various types. Essential concepts such as time and frequency domain representation, signal transforms, sampling and quantization, filtering, and practical applications are explored. This course provides both theoretical and practical foundations in signal processing, enabling students to acquire transferable skills in various fields such as communications, acoustics, imaging, and more.

Prerequisites

N/A

Teaching form

Frontal lessons.

Textbook and teaching resource

Slides and teaching materials provided by the instructor.

Semester

First semester

Assessment method

16 questions (multiple choice) and open questions to check preparation on exam program

Office hours

By appointment requested via e-mail.

Sustainable Development Goals