



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Basi di Elaborazione dei Segnali

2324-1-I0302D050-I0302D066M

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#### 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**

Exam mode: written test

Question type: multiple-choice quiz with 4 options, one correct answer, for a total of 33 questions

Grading results: The score is expressed on a scale of thirty, with a minimum score of 18/30 and a maximum score of 30/30 with honors.

Topics covered in the questions: All topics covered in the lessons may be asked.

Exam duration: The student has 90 minutes to complete the exam.

General notes:

The exam will be conducted online in a computer science laboratory. The student must have the university credentials memorized to access the system.

The student must bring their university ID card and display it on the desk during the exam. ID cards will be checked at the beginning of the exam.

The use of mobile phones is strictly prohibited. Mobile phones must be turned off, and no devices should be touched during the exam.

If a student needs to speak with the supervisor, they should raise their hand and remain seated.

Consultation of previous exam topics, lecture notes, books or parts of books, and exercise materials is not allowed during the exam, and such tools must be left outside the classroom.

## **Office hours**

By appointment requested via e-mail.

## Sustainable Development Goals

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