



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Informatica Generale - 2

2021-3-E1801M032-T2

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#### Learning objectives

The course defines a transversal path that aims to provide basic knowledge for various topics in the ICT field.

#### Contents

Basic concepts of information and computer science, computer operation, introduction to networks, IT security.

#### Detailed program

1. Introduction to computer science
2. Information representation
3. Software
4. System architecture
5. Processor
6. Boolean algebra
7. Algorithms

- 8. Networks
- 9. It security
- 10. Digital signature
- 11. Multimedia information representation
- 12. Exercises

## **Prerequisites**

Basic knowledge of mathematics and English language.

## **Teaching methods**

Traditional lecture.

Compatibly with the health situation of the country, lessons will be provided in streaming, by defining a lessons calendar with students, starting from October.

Study material will be present on the e-learning platform.

However, attendance is not mandatory.

## **Assessment methods**

The exam consists of a time trial, online, compatibly with the health situation, a multiple choice questionnaire that can be delivered through a special platform identified by the teacher.

## **Textbooks and Reading Materials**

Material provided by the teacher.

## **Semester**

First semester.

## **Teaching language**

Italian.

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