

UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Information Technology - 1

2324-3-E1801M032-T1

Learning objectives

The course defines a transversal path that aims to provide basic knowledge for variou s 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 stre aming, 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.

