UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Information Technology - 2

2021-3-E1801M032-T2

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.