

# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

### **COURSE SYLLABUS**

## **Introduction To Computer Science (blended)**

2021-1-E4101B003

### Learning objectives

The course will introduce some concepts about the architecture of computers, hardware, software, operating systems, and software development. The course will focus on building scripts to solve problems related to dataset management. On completion of this course, students will be able to solve problems using a programming language and computing tools.

#### **Contents**

- · Information processing
- Hardware/Software
- · Software lifecycle
- Operating Systems
- Programming languages
- Variables, Conditional Instructions, Loops
- Complex Data Structures
- Files

Detailed program	
Prerequisites	
None	
Teaching methods	
Assessment methods	
Textbooks and Reading Materials	
Semester	
Teaching language	
Italian	

• Functions and Procedures