UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Legal Aspects of Public Sector Information

2425-3-E1401A024

Learning objectives

The course "Computer Science for Public Administrations" aims to provide students with an introduction to the main aspects of computer science, with a particular focus on those most relevant to public administrations. The goal of the course is not so much to develop technical skills, but rather to offer a high-level, yet accurate and detailed, overview of the main topics in computer science.

Contents

After an introduction to computer science and information representation, the course will cover a topic of great current relevance: artificial intelligence. Additionally, there will be an introduction to networks and the internet, with a focus on cybersecurity and privacy. In this context, the course will also address the Dark Web and blockchain, two topics whose understanding is essential for accurately interpreting the current reality. Finally, there will be a brief introduction to open source software and free licenses.

Detailed program

- Introduction to Computer Science
- Information Representation
- Artificial Intelligence
- Web, Security, Privacy, and the Dark Web
- Blockchain, Cryptocurrencies, and Smart Contracts
- Open Source Software and Free Licenses

Prerequisites

Ability to read simple texts in English.

Teaching methods

- 21 lectures of 2 hours each, conducted in Italian, in person.
- Availability of lecture recordings.

Assessment methods

- No midterm exams
- Final oral exam on the course topics
- Main aspects considered for evaluation:
    - Knowledge of the course topics
    - Understanding of the course topics
    - Proficiency in language and correct use of technical terminology
    - Ability to make connections between course topics

Textbooks and Reading Materials

Materials provided on the e-learning platform and lecture recordings.

Sustainable Development Goals