UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

# Law of Innovation and Artificial Intelligence

**2627-1-F6303M006**

## Learning objectives

The course explores and analyzes the intersection between the law and digital technologies, with particular attention to artificial intelligence and robotics. During the classes, the principal regulations and the most relevant jurisprudential cases will be studied to provide the student with the knowledge to understand the legal profiles of the main technological phenomena.

## Contents

Following a general discussion of the relationship between technology and law will pass to a definition of artificial intelligence and robotics with a particular focus on their technical profiles. The course also proposes to verify the ethical implications and the relationship between the individual and the machine, also taking into account their limits and responsibilities. From the point of view of fundamental rights, it is also intended to analyze the use of technology and artificial intelligence in the fight against discrimination and diversity, potentially at risk, following sharing sensitive data. The data government, including personal and sensitive ones, requires us to pay particular attention to the study of the privacy policy, not neglecting other interests such as intellectual property. There will also be presented cases of interest and application models in public law: primarily the use of HITA in the definition and orientation of consent and in determining the most efficient policies. We will deepen the cases concerning the use of technologies and artificial intelligence in public services.

## Detailed program

- Technologies of the digital age
- Digital technologies and law
- Artificial intelligence and robotic

- Social network
- Electronic democracy
- Digital administration
- Privacy, data e Big data
- Cybersecurity
- Internet of Things
- Cloud Computing and Edge Computing
- Data and Big Data
- Blockchain
- Internet Service Provider

## Prerequisites

Knowledge of the legal sources of public law and the general organization of the Italian and European legal order.

## Teaching methods

Frontal lessons. Guest speakers' lectures, experts from the most renowned hi-tech companies will be involved in the course by describing some of the most innovative practices while considering concrete policy proposals.
The course consists of 48 hours, of which approximately 50% with frontal lessons (lectures with use of slides, audio and video) and 50% with interactive teaching (group projects, discussion of case studies, exercises, working groups)

## Assessment methods

The examination is oral.

A mid-term review can be organized.
The mid-term test is designed to verify the students' understanding of the intersections between the legal and digital worlds, as well as to test their ability to explore them in depth through case studies.

The final exam aims to verify the understanding of the legal phenomena linked to digital technologies. The examination board will check the knowledge and mastery of the subject, the use of specific terminology, the ability to analyse and the ability to make connections between notions and knowledge.

## Textbooks and Reading Materials

Giusella Finocchiaro. Diritto dell'intelligenza artificiale. Zanichelli, ultima edizione;

or

Giovanni Pascuzzi, Il diritto dell'era digitale, Il Mulino, ultima edizione;

During the course, could be suggested further readings.

## Semester

First semester

## Teaching language

Italian

## Sustainable Development Goals

GENDER EQUALITY | INDUSTRY, INNOVATION AND INFRASTRUCTURE | SUSTAINABLE CITIES AND COMMUNITIES | CLIMATE ACTION | PEACE, JUSTICE AND STRONG INSTITUTIONS