



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Juridical and Social Issues in Information Society

1920-1-F9101Q007

Learning objectives

SOCIAL ISSUES IN INFORMATION SOCIETY, Prof. Roberto Masiero, Camilla Bellini

The objective of the course is to prepare students to understand the impacts and to face the challenges of the Data Revolution on the Economy and the Society. The module “Social Issues In Information Society” is instrumental in providing students with an overall understanding of the domains that are going to benefit most from the Data Revolution and in helping them to experience a more successful professional career path in the future. While students will be progressively learning to use the methodologies and technical tools that are the main content of the overall Master of Science in Data Science, the module should prepare them to look for, identify and understand the meaningful patterns of social, environmental and economic phenomena and the ethical implications related to the Data Economy.

Contents

SOCIAL ISSUES IN INFORMATION SOCIETY, Prof. Roberto Masiero, Camilla Bellini

Topic 1. Introducing some key social issues in information society

Topic 2. The impact of digital innovation on employment and wealth distribution

Topic 3. Social and ethical issues in information society

Topic 4. The challenging role of the data scientist. New jobs and the industries of the future

Topic 5: The Game: About the technological and mental revolution that brought us from the vision of the '900 to the "Augmented Humanity".

Detailed program

SOCIAL ISSUES IN INFORMATION SOCIETY, Prof. Roberto Masiero, Camilla Bellini

LECTURE 1 (30/09/2019) - Course introduction: Main objectives, contents and methodology; _____

LECTURE 2 (03/10/2019) - The concept of "Infosphere": How ICTs are changing the philosophy, ecology and ethics of information (Part 2)

___The concept of "Infosphere": How ICTs are changing the philosophy, ecology and ethics of information

___Theoretical Social and Ethical Issues related to Artificial Intelligence

LAB 4 (07/11/2019) - Lectio Magistralis, Prof. Carlo Batini

Prerequisites

SOCIAL ISSUES IN INFORMATION SOCIETY, Prof. Roberto Masiero, Camilla Bellini

Basic knowledge of recent technology evolutions: mobile, cloud, social networks, big data, IoT

Teaching methods

SOCIAL ISSUES IN INFORMATION SOCIETY, Prof. Roberto Masiero, Camilla Bellini
Lectures, Working groups

Assessment methods

SOCIAL ISSUES IN INFORMATION SOCIETY, Prof. Roberto Masiero, Camilla Bellini

The assessment method consists of a written test with open-ended questions. The student who is not satisfied with the outcome of the written test can attend the oral exam to improve the grade

Textbooks and Reading Materials

SOCIAL ISSUES IN INFORMATION SOCIETY, Prof. Roberto Masiero, Camilla Bellini

- Luciano Floridi, *The Fourth Revolution: How the Infosphere is Reshaping Human Reality* (2014) – Ed. OUP Oxford
- [Alec Ross. *The Industries of the Future*. Simon & Schuster \(2016\)](#)

Semester

I semester

Teaching language

English
