Path of excellence

The use of AI and the practical connotations of data protection, cybersecurity and ethical principles

- Start of lessons: **15 February 2024**
- The lessons will be divided into 3-hour modules which will be held on Thursdays from 15 to 18

Teachers:
- Lawyer Filippo Bianchini
- Lawyer Luca Bolognini
- Lawyer Federica De Stefani
- Dr. Domenico Raguseo

Referent teacher:
Prof. Federica De Stefani: f.destefani@unilink.it

Date	Teacher	Topics
15 February From 15 to 18	Avv.Bianchini	**Introduction to AI** • Regulatory definition of artificial intelligence, the EU and USA experience • History of artificial intelligence • Main approaches to artificial intelligence • Open problems in artificial intelligence **AI features** • What is AI • How it is perceived by humans • The man-machine relationship **Types of AI** • Generative AI • Foundational models • Other typologies
22 February From 15 to 18	Avv. De Stefani	**Data protection: how data is processed by AI** • What is meant by data protection • From data protection to data governance • Data ownership and related rights • A specific use: wearables
29 February From 15 to 18	Avv. Bianchini	**The ethical aspects** **Ethics in regulation and standardization** • Ethical aspects in concrete use • Potential benefits and risks of artificial intelligence **Ethical principles for the development and use of artificial intelligence** • Transparency in the use of AI • Responsibility and accountability in AI

Date	Instructor	Topic
7 March From 15 to 18	Dr. Raguseo	**Cybersecurity applied to AI (part I)** • What is cybersecurity • The kill chain
14 March From 15 to 18	Dr. Raguseo	**Cybersecurity applied to AI (part II)** • Internal attack to external attack • Security: an asset with intrinsic value • Security organizations and processes
21 March From 15 to 18	Avv. Bolognini	**Applications of artificial intelligence** • Robotics • Artificial vision • Natural language processing • Machine learning **Generative AI** **Practical examples:** • chatGPT • Bart • Llama2
4 April From 15 to 18	Avv.Bolognini 15-17	**AI Act: the state of the art**
	Avv. De Stefani 17-18	**Introduction to the laboratory**
11 April From 15 to 18	Avv. De Stefani	**Use of AI in businesses** **I Cobot** • A particular declination: translation and interpreting • AI in the wine sector • AI in marketing **Transparency in the use of AI**
18 April From 15 to 18	Avv. Bolognini	**AI and Next Generation IoT: intelligence and physicality, material and immaterial effects** **Introduction to the legislation relating to AI** • The European strategy • The different levels of risk
2 May From 15 to 18	Avv. De Stefani	Laboratory
9 May From 15 to 18	Avv. De Stefani	Laboratory
16 May From 15 to 18	Avv. De Stefani	Laboratory