Italian code: IUS/08 **Credits: 8**
Course Level and Program:
Master's Degree in Law - Business Jurist Track (LMG-01)

Course: Law of Artificial Intelligence
Main language of instruction: Italian
Other language of instruction: English

Head instructor

Professor Francesco CIRILLO - francesco.cirillo@unicusano.it

Course Description

This course examines the legal implications of Artificial Intelligence (AI), with a special focus on the European regulatory framework and its impact on fundamental rights. It critically analyzes the AI Act, its enforcement mechanisms, and the responsibilities of stakeholders involved in AI development and deployment.

Objectives

The course aims to provide students with:

- Understand the legal foundations of AI regulation and its impact on fundamental rights.
- Analyze the EU AI Act and its interaction with other regulatory frameworks (GDPR, DSA, DMA).
- Assess the legal and ethical challenges posed by AI systems.
- Develop a critical approach to AI regulation.
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Course structure

The course is divided into **8 modules**, covering **24 lessons** in total.

1. Module 1: Introduction to AI Regulation
    - Definition and History of Artificial Intelligence – Origins, evolution, and conceptual frameworks.
    - Machine Learning vs. Artificial Intelligence – Technical and legal distinctions.
    - AI in Various Sectors – Overview of applications and potential risks.
2. Module 2: European and International Regulatory Frameworks
    - GDPR and AI – The role of data protection laws in AI governance.

- Digital Services Act (DSA) and Digital Markets Act (DMA) – AI's intersection with digital market regulations.
- Comparison of Global AI Regulations – EU vs. USA, China, and other models.

3. Module 3: Risk Categories and Obligations in the AI Act
   - Risk-Based Classification of AI Systems – High-risk vs. low-risk AI.
   - Obligations for AI Providers and Developers – Compliance requirements and responsibilities.
   - Enforcement Mechanisms and Sanctions – Supervision, penalties, and compliance audits.
4. Module 4: AI and Fundamental Rights
   - AI and Data Protection – Privacy concerns and legal safeguards.
   - Algorithmic Bias and Discrimination – Legal challenges and mitigation strategies.
   - Transparency and Explainability in AI – The need for interpretable AI decision-making.
5. Module 5: AI Applications in Key Sectors
   - AI in the Justice System – Use of AI in legal decision-making and judicial automation.
   - AI in Healthcare – Ethical dilemmas, liability, and medical data protection.
   - AI in the Workplace – Automation, employment law, and workers' rights.
6. Module 6: AI and Security
   - Cybersecurity and AI – Risks and regulatory responses.
   - AI in Surveillance and Law Enforcement – Facial recognition, predictive policing, and ethical concerns.
   - AI and Military Applications – Legal and ethical dimensions of autonomous weapons.
7. Module 7: AI Governance and Compliance
   - Ethical Guidelines for AI – International principles and best practices.
   - AI Accountability and Liability – Who is responsible for AI decisions?
   - AI in the Public Sector – Governance, procurement, and transparency.
8. Module 8: Future Challenges and Emerging Scenarios
   - Regulating Generative AI (ChatGPT, DALL-E, etc.) – Legal uncertainties and challenges.
   - Neuro-rights and Neural Data Protection – Privacy concerns in brain-computer interfaces.
   - The Future of AI Regulation – Trends, open issues, and prospects for legal evolution.

Teaching Methods

- **Pre-recorded video lectures** (SCORM format)
- **Slides and handouts** to complement lectures
- **Discussion forums** for student engagement
- **E-tivities** based on legal case studies

Assessment Methods

- Final exam: A written multiple-choice test (30 questions) assessing students' comprehension of AI law principles.
- Evaluation of e-tivities for applied legal reasoning and case analysis.

Study Materials

- Lectures, slides, and handouts provided by instructors.
- Primary legal texts (AI Act, GDPR, DSA, DMA).
- Recommended readings:
- EU Commission Reports on AI regulation.
- Academic literature on AI governance and legal challenges.

Competencies

a) Knowledge and understanding: The course aims to provide students with a comprehensive understanding of AI law principles, including the objectives of the AI Act, the broader legal framework for AI governance, and the rights and obligations of key stakeholders involved in AI development and deployment.
b) Applying knowledge and understanding: Students will develop the ability to apply AI law principles to analyze and resolve legal issues in real-world AI scenarios, including compliance assessments, regulatory interpretations, and judicial/administrative decisions concerning AI governance.
c) Making judgments: By the end of the course, students will have the capacity to critically evaluate AI-related legal frameworks, assess regulatory challenges, and formulate informed judgments on complex AI governance issues, including risk assessment, liability, and ethical considerations.
d) Communication skills: Students will acquire the ability to use precise legal terminology to effectively communicate AI law concepts in academic and

professional settings, engaging with key stakeholders such as regulators, technology companies, and legal professionals.

e) Learning skills: The course provides foundational knowledge and methodological tools to support continued study and professional development in AI law, including preparation for specialized roles in AI governance, compliance, and legal consultancy in AI-related fields.