

Regulation of AI

Code: 106560
ECTS Credits: 6

Degree	Type	Year	Semester
2504392 Artificial Intelligence	OB	3	1

Contact

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Teaching groups languages

You can check it through this [link](#). To consult the language you will need to enter the CODE of the subject. Please note that this information is provisional until 30 November 2023.

Teachers

Susana Navas Navarro

Prerequisites

This course does not have any requirements.

Objectives and Contextualisation

The objectives of the course will be:

- Basic knowledge of the role of the law in the field of artificial intelligence
- Legal framework applicable to the artificial intelligence
- Understanding of the main legal aspects in relation to artificial intelligence at national, European and international level.

Competences

- Act with ethical responsibility and respect for fundamental rights and duties, diversity and democratic values.
- Communicate effectively, both orally and in writing, adequately using the necessary communicative resources and adapting to the characteristics of the situation and the audience.
- Develop critical thinking to analyse alternatives and proposals, both one's own and those of others, in a well-founded and argued manner.

- Identify, analyse and evaluate the ethical and social impact, the human and cultural context, and the legal implications of the development of artificial intelligence and data manipulation applications in different fields.
- Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
- Work independently, with responsibility and initiative, planning and managing time and available resources, and adapting to unforeseen situations.

Learning Outcomes

1. Analyse AI application cases from an ethical, legal and social point of view.
2. Analyse how data protection regulations and the right to privacy are applied to the design and development of AI.
3. Analyse intellectual property in relation to AI.
4. Communicate effectively, both orally and in writing, adequately using the necessary communicative resources and adapting to the characteristics of the situation and the audience.
5. Critically analyse the principles, values and procedures that govern the practice of the profession.
6. Develop critical thinking to analyse alternatives and proposals, both one's own and those of others, in a well-founded and argued manner.
7. Evaluate the difficulties, prejudices and discriminations that can be found in actions or projects, in a short or long term, in relation to certain people or groups.
8. Explain the code of ethics, explicit or implicit, that pertains to the field of knowledge.
9. Identify cases of civil liability in the use of AI.
10. Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
11. Understand the social, ethical and legal implications of professional AI practice.
12. Work independently, with responsibility and initiative, planning and managing time and available resources, and adapting to unforeseen situations.

Content

1st part Noelia Igareda

1. Introduction to Law
 - 1.1. Differences between law, ethics, morality and other rules.
 - 1.2. International law, European law, national law.
 - 1.3. How the law is elaborated, applied and access to justice
 1. Artificial Intelligence and Human Rights
 - 2.1. Differences between human rights, fundamental rights and other rights.
 - 2.2. Human rights legal protection and standards, and their application on the field of AI.
 1. Artificial Intelligence and anti-discrimination law
 - 3.1. International, European and national legal frameworks to combat discrimination.
 - 3.2. AI and discriminatory bias: legal tools and legal obligations
 1. Artificial Intelligence and Gender
 - 4.1. Gender equality, parity, gender perspective, genderism.

4.2. AI as a technology of gender: legal instruments and legal consequences

1. Digital rights

5.1. Definition and legal implication on the field of AI

5.2. Charter of Digital Rights

1. Personal data protection and AI

6.1. The impact of the General Data Protection Regulation (GDPR) on AI

6.2. How to use AI and personal data appropriately and lawfully

2nd part Susana Navas

1. The framework for AI. Regulation and strategies

1.1. The European regulation and strategies

1.2. The US and UK AI strategies

1. Defining and Classifying AI-systems

2.1. The Legal Perspective on AI and AI-systems

2.2. The AI-systems as Digital Content and Services

2.3. Types of AI-systems

2.3.1. According to levels of risk

2.3.2. According to AI-system purposes

2.3.3. According to levels of autonomy

2.4. Technical and Harmonized Standards for AI-systems

2.5. Key Concepts: Provider, Deployer, User, Recipient

1. Data and AI

3.1. What is Data and How to Categorize It

3.2. The Text and Data Mining Exception in the Copyright Law

3.3. Text and Data Mining, Data Quality, and the European AI Regulation Proposal

3.4. Data Governance

1. Liability for Damages Caused by AI-systems

4.1. The Basics of Civil Liability

4.2. The forthcoming European Regulation on Non-Contractual Civil Liability

4.3. The forthcoming European Regulation on the Producer's Liability for AI-systems

1. Legal Protection of AI

5.1. The Software Regulation by the Copyright Law

5.2. The Regulation by the Trade Secret Law

5.3. Cybersecurity

Methodology

The orientation of the course is predominantly practical. Each class will generally begin with the presentation of a

Afterwards, the professor will explain the key legal concepts, the legal framework applicable to AI and legal chal

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Attendance to class and participation	44	1.76	5, 2, 11, 4, 6, 10, 1, 7
Case study	50	2	5, 3, 2, 11, 6, 9, 10, 1, 12, 7
Practices and exercises	50	2	5, 3, 2, 11, 6, 9, 10, 1, 12, 7

Assessment

The final grade will be obtained from the following elements:

1.1 Continuous evaluation of the classes. (50% of the note)

Attendance at seminars, based on just cause assumptions, will be mandatory for students.

1st practical case 25%.

2nd analysis of a new 25%.

1.2 Final exam. (50% of the note)

The final exam must be passed with a mark higher than 5 to average with the rest of the qualifications of the continuous evaluation.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Analysis of a new	25%	3	0.12	5, 11, 4, 6, 10, 1, 12, 7

Bibliography

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<https://www.gov.uk/government/publications/ai-regulation-a-pro-innovation-approach/white-paper>.

<https://www.whitehouse.gov/ostp/ai-bill-of-rights/>

https://commission.europa.eu/system/files/2020-02/commission-white-paper-artificial-intelligence-feb2020_en.pdf

Software

The subject does not require any specific software