UNIVERSIDADE LUSÍADA
LISBOA

Course Unit Program
ELECTIVE III - LAW AND ARTIFICIAL INTELLIGENCE

Academic Year 2025/2026

1. Organic Unit

Faculty of Law

2. Course

LAW

3. Cycle

1st

4. Course Unit

ELECTIVE III - LAW AND ARTIFICIAL INTELLIGENCE (023C5)

5. Scientific Area

6. Curricular Year

4th

7. Type of Curricular Unit / Semester

2nd Semester

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8. Class type and workload (work time)

Theoretical classes:	30,00
Practical classes:	
Theoretical-Practical Classes	
Tutorial Guidance:	20,00

9. ECTS Credits

6,00

10. Scientific Area Coordinator

11. Regent

Prof. Doutor JOSE ALBERTO RODRÍGUEZ LORENZO GONZÁLEZ

12. Assistants

13. Teaching Language

Portuguese

14. General Objectives

- Attitudes
critical spirit
Knowledge based on study, reflection and valuation
- Capabilities
Research and collect information
carry out projects
Develop evaluation and decision-making skills
Use legal language
Acquire practical training based on correlative theoretical frameworks
- Knowledge
Understanding the correlations between law and AI
Understanding the legal consequences of this correlation

15. Specific Objectives

Understand the concepts of machine learning, deep learning, and generative AI.
Understand the issues raised by AI.
Analyse the relationship between AI and responsibility.
Assess the legal implications associated with different AI applications.
Summarise the basic legal framework to which they must comply.

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16. Skills to be acquired

Knowing how to investigate and gather information
Knowing how to carry out project work
Knowing how to consult, interpret and use legal diplomas
Knowing how to apply acquired knowledge to new situations

17. Teaching Methodology

Resolution of concrete cases (case method)
Analysis of legislation and case law
Participation in debates and conferences
Simulation of real life situations

18. Course Unit Program

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1. Law and Artificial Intelligence (AI): issues.
2. Machine Learning, Deep Learning and Generative AI: concepts.
3. Artificial Intelligence and Natural Intelligence: similarities and differences. Neuroscience.
4. Ethical principles of AI: artificial moral agents.
5. AI and types of use: support, replacement and disruption.
6. Challenges in the use of AI:
6.1. Predictive analysis.
6.2. Bias.
6.3. Manipulation.
6.4. Black Box Effect.
6.5. Autonomy.
7. The GDPR and the European Regulation on AI (EU AI Act):
7.1. Framework, objectives, scope and implementation strategies.
7.2. Prohibited uses
7.3. High-risk uses
7.4. Governance of AI systems
7.5. The Principle of Proportionality
8. Electronic legal personality (eperson and privacy)
9. Liability & AI:
9.1. Civil liability of AI systems:
9.1.1. Specific problems.
9.2.2. Liability of the principal.
9.2.3. Manufacturer liability (Product Liability Directive).
9.2.4. Liability for the use of animals and liability for the use of AI systems.
9.2.5. Criminal liability.
9.2.6. Smart contracts
9.3. Liability for the use of autonomous vehicles.
9.4. Liability for the use of AI-enabled medical devices.
9.5. Online Dispute Resolution (ODR).
9.6. Facial recognition.
10. Digitization of Justice and AI:
10.1. Types of use
10.2. The metaverse and access to justice
10.3. Portuguese, European and international courts
11. Law, Artificial Intelligence and Sustainable Development Goals

19. Assessment Methods

The evaluation instruments will be determined or to be determined in the Evaluation Regulation of Universidade Lusíada

20. Didactic Resources

Codes
Constitution of the Portuguese Republic
Articles and handbooks

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21. Sustainability Objectives

General
1 - Ensure equal access to education.
2 - Substantially increase the number of young people and adults with relevant qualifications.
3 - Ensure equal opportunities in university education.
4 - Promoting the gradual dematerialization of the teaching/learning process.
Specific
1 - Promote the rule of law.
2 - Contribute to responsible decision-making.

22. Keywords

Artificial Intelligence
Responsibility
Electronic legal personality
Autonomous vehicles

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23. Main Bibliography

Author(s):	GONZÁLEZ, José		
Title:	Direito da Responsabilidade Civil		
Edition:	2ª	Year:	2025
Local:	Lisboa		
Publisher:	Quid Juris		

Author(s):	GONZÁLEZ, José Martinho		
Title:	A responsabilidade civil emergente da detenção de veículos automóveis dotados de inteligência artifi		
Edition:	1ª	Year:	2025
Local:	Lisboa		
Publisher:	Quid Juris		

Author(s):	GONZÁLEZ, José		
Title:	Responsabilidade por danos e Inteligência Artificial (IA), in Revista de Direito Comercial (online)		
Edition:		Year:	2020
Local:	Lisboa		
Publisher:			

24. Complementary Bibliography

Author(s):	GONZÁLEZ, José		
Title:	Direito a não ser (unicamente) julgado por inteligência artificial (IA), in Revista Lusíada. Direito		
Edition:		Year:	2025
Local:	Lisboa		
Publisher:	Universidade Lusíada Editora		

Author(s):	GONZÁLEZ, José		
Title:	Reconhecimento facial (FRT) e direito à imagem, in Revista da Faculdade de Direito da Universidade d		
Edition:		Year:	2022
Local:	Lisboa		
Publisher:			

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Título / Title	Course Unit Program 'OPÇÃO III - DIREITO E INTELIGÊNCIA ARTIFICIAL': Academic Year 2025/2026
Autor / Author	Prof. Doutor JOSE ALBERTO RODRÍGUEZ LORENZO GONZÁLEZ
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