

Academic Year: ( 2022 / 2023 )

Review date: 20-04-2022

Department assigned to the subject: Public State Law Department

Coordinating teacher: PEDRAZA CORDOBA, JUANITA DEL PILAR

Type: Compulsory ECTS Credits : 3.0

Year : 1 Semester : 1

## OBJECTIVES

Identify and recognize the potential benefits and ethics/legal risks of the deployment of AI.  
 Learn and understand the fundamental regulatory issues that have emerged in relation to the deployment of AI, and the relevance of design choices in the architecture of AI.  
 Understand the complexity of the regulatory and policy landscape to address the legal and regulatory issues arising from the use of AI.  
 Learn practical methodologies to evaluate and mitigate the potential risks arising from the implementation of AI.  
 This knowledge should equip students with the ability to weigh and evaluate the development of specific AI applications, to see where potential regulatory and ethical challenges might arise in their use or deployment, and to learn methodologies to be able to give advice on designing AI technologies in a way that mitigates such issues.

## DESCRIPTION OF CONTENTS: PROGRAMME

Data, information and artificial intelligence as legal notions.  
 The protection of personal and non-personal data  
 Special rules for systems that use health and geolocation data.  
 Special rules for intelligent transport systems and for behavior monitoring.  
 The risk management approach in systems using AI techniques  
 The liability regime associated with the creation and exploitation of AI solutions  
 The Electronic Administration and the services of the information society  
 Professional ethics and codes of conduct  
 International ethics and Artificial Intelligence initiatives

## LEARNING ACTIVITIES AND METHODOLOGY

Individual work for the study of developed and provided by the teacher theoretical and practical materials.  
 Theoretical and practical classes.  
 Tutorials.  
 Team work  
 Exams

## ASSESSMENT SYSTEM

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|---|----|
| <b>% end-of-term-examination:</b>   | 40 |
| <b>% of continuous assessment (assignments, laboratory, practicals...):</b> | 60 |

-Read Critique of recommended by the teacher of the subject texts: newspaper articles, reports, manuals and / or academic papers, either for later discussion in class, either to expand and consolidate the knowledge of the subject.  
 -Resolution Of practical cases, problems, etc. posed by the teacher individually or in groups.  
 Exhibition and discussion in class or in the virtual forum of the subject, under the moderation of teacher issues related to the content of matter, as well as case studies.  
 -Production of papers and reports individually or in group  
 -Read of theoretical and practical developed and provided by the teacher in the virtual learning

|   |    |
|---|----|
| <b>% end-of-term-examination:</b>   | 40 |
| <b>% of continuous assessment (assignments, laboratory, practicals...):</b> | 60 |
| platform educational materials  |    |

In the extraordinary call there will be a final exam on the concepts developed during the sessions.

#### BASIC BIBLIOGRAPHY

- Barrio Moisés Robot rights, Wolters Kluwer, 2019
- Gamero Casado, Eduardo Administrative law for non legal studies , Tecnos , 2021
- Huergo Lora, Alejandro Algorithms regulation, Aranzadi Thomson Reuters, 2020
- Jobin, A., Ienca, M., & Vayena, E The global landscape of AI ethics guidelines., Nature Machine Intelligence, 1(9), 389-399;, 2019

#### BASIC ELECTRONIC RESOURCES

- High-level expert group on artificial intelligence . Deliverables : <https://digital-strategy.ec.europa.eu/en/policies/expert-group-ai>
- UNESCO . Recommendation on the ethics of artificial intelligence: <https://en.unesco.org/artificial-intelligence/ethics>