Data engineering legal and ethical issues

Academic Year: (2024 / 2025)   **Review date: 15-04-2024**

Department assigned to the subject: Public State Law Department

Coordinating teacher: PEDRAZA CORDOBA, JUANITA DEL PILAR

Type: Compulsory ECTS Credits : 3.0

Year : 3 Semester : 2

OBJECTIVES

CB1: That students have demonstrated to possess and understand knowledge in an area of ¿¿study that starts from the base of general secondary education, and is usually found at a level that, although supported by advanced textbooks, also includes some aspects that they imply knowledge coming from the vanguard of their field of study.
CB2: That students know how to apply their knowledge to their work or vocation in a professional manner and have the skills that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of ¿¿study
CB3: That students have the ability to gather and interpret relevant data (normally within their area of ¿¿study) to make judgments that include a reflection on relevant issues of social, scientific or ethical nature
CE17: Ability to know the security requirements (with emphasis on privacy) of big data environments and the consequent protection measures: techniques; organizational and legal, as well as knowing and managing encryption techniques and their use to ensure data security.
CG2: Knowledge of basic scientific and technical subjects that enable you to learn new methods and technologies, as well as giving you great versatility to adapt to new situations.
CG3: Ability to solve problems with initiative, decision-making, creativity, and to communicate and transmit knowledge, skills and abilities, understanding the ethical, social and professional responsibility of the data processing activity. Leadership capacity, innovation and entrepreneurial spirit.
CT1: Ability to communicate knowledge orally and in writing, to both a specialized and non-specialized audience.
CT3: Acquire basic humanistic knowledge that allows completing the student's transversal training profile.

RA2 Be able, through arguments or procedures developed and supported by themselves, to apply their knowledge, their understanding and their problem-solving abilities in complex or professional and specialized work environments that require the use of creative and innovative ideas.
RA3 Have the ability to collect and interpret data and information on which to base their conclusions, including, when precise and pertinent, reflection on issues of a social, scientific or ethical nature within the scope of their field of study

DESCRIPTION OF CONTENTS: PROGRAMME

1. Information society and telecommunications
2. Personal data protection
3. Information society services
4. Artificial Intelligence Act
5. Intellectual and industrial property
6. Online criminal and punitive law
7. Professional deontology and codes of conduct

LEARNING ACTIVITIES AND METHODOLOGY

The continuous evaluation system is based on a practice-oriented teaching that aims to reinforce the learning of theory through direct experience in cases that should facilitate the understanding and

management of its content.

Academic activities are divided into Master Lessons (large group) and Practice Sessions (small groups).

1. Master classes (Large Groups), in which the general lines of the subject matter of the corresponding topic will be exposed. These sessions will be taught remotely through the platform indicated by the teacher.
2. Practical Sessions (Small Groups), in which specific activities are developed through which a practical vision of the content of the topics will be offered. The activities to be carried out will consist of solving practical exercises, as well as, where appropriate, other control activities such as reading the bibliography or relevant sentences and surprise tests or questions to check the level of knowledge on the topics. These activities will be duly announced in Aula Global.

The tutorials will be held at the time and under the conditions determined by the teacher in Aula Global.

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ASSESSMENT SYSTEM

% end-of-term-examination: 60

% of continuous assessment (assigments, laboratory, practicals…):   40

The global evaluation of the subject in the ordinary call will be carried out based on the weighting of the marks obtained in the continuous evaluation activities, which is equivalent to 40% of the final grade. The final exam grade is equivalent to the remaining 60%.

Activities not carried out during the continuous evaluation will be rated with a 0. The final grade obtained may be adjusted by the teacher (up to a maximum of one point) depending on participation and class interventions.

Each teacher may require a minimum grade in the final exam in their group to carry out the global evaluation, provided that it is expressly indicated at the beginning of the term, through Aula Global or any other means.

The evaluation in the extraordinary call, if the student followed continuous evaluation, he will have the right to be taken into account the grade of the same (whenever it benefits him), and if he did not follow it, he will have the right to take a final exam with a value of 100 % of the total grade of the subject.

Students who do not take the final exam, either in the ordinary or extraordinary call, will appear as not presented.

· Percentage weight of the Final Exam 60%
· Percentage weight of the rest of the evaluation 40%

Use of Artificial Intelligence tools selectively allowed in this subject. The faculty may indicate a list of works and exercises that the student can perform using AI tools, specifying how they should be used, and how the student should describe the use made of them. If the use of AI by the student gives rise to academic fraud by falsifying the results of an exam or work required to accredit academic performance, the provisions of the Regulation of the University Carlos III of Madrid of partial development of the Law 3/2022, of February 24th, of University Coexistence will be applied.

BASIC BIBLIOGRAPHY

 - BALAGUER, Francisco; COTINO, Lorenzo (coord) Artificial intelligence pubic law, Fundación Manuel Giménez Abad de Estudios Parlamentarios y del Estado Autonómico , 2023

 - BARRIO ANDRES, Moises Internet Law Basics, Center for political and constitutional studies, 2020

 - Descalzo, Antonio Good governance: scope of application, general and action principles, disciplinary infractions and conflicts of interest¿, in the collective book Transparency, access to information and good governance, Tecnos , 2014

- GUICHOT, EMILIO   Transparency and access to information in European law, Derecho Global , 2014

- PITSCHAS, Rainer. Administrative law of information , Derecho Global , 2013

BASIC ELECTRONIC RESOURCES

- EUROPEAN UNION . Access to European Union Law : https://eur-lex.europa.eu/homepage.html?locale=es

- Spanish Data Protection Agency . Web page Oficial : http://https://www.aepd.es/en