1. OVERVIEW

Subject area	Legislation and Data Protection
Degree	Bachelor's Degree in Data Science
School/Faculty	Faculty of Science, Engineering and Design
Year	Fourth
ECTS	4.5
Type	Compulsory
Language(s)	Spanish
Delivery Mode	On campus
Semester	Seventh

2. INTRODUCTION

Legislation and Data Protection applied to the Bachelor's Degree in Data Science teaches students the basic legal matters associated with the use and processing of data in current society. This knowledge is essential to the professional development of future graduates. Understanding of current legislation goes together with technological skills for a successful career in this field.

This subject teaches the core legal requirements for compliance with rules, procedures and policy in the design, storage, use and protection of data ensuring a suitable level of responsibility and minimising risk. Students will also acquire the skills necessary to be able to identify these requirements, find resources and use them, as well as carry out work in multidisciplinary teams. Finally, we will look at the legal particulars in data protection for the different fields of study.

3. SKILLS AND LEARNING OUTCOMES

Basic skills (CB, by the acronym in Spanish):

- CB1. Students have shown their knowledge and understanding of a study area originating from general secondary school education, and are usually at the level where, with the support of more advanced textbooks, they may also demonstrate awareness of the latest developments in their field of study.
- CB2. Students can apply their knowledge to their work professionally and possess the necessary skills, usually demonstrated by forming and defending opinions, as well as resolving problems within their study area.

Cross-curricular skills (CT, by the acronym in Spanish):

- CT01. Ethical values: ability to think and act in line with universal principles based on the value of a person, contributing to their development and involving commitment to certain social values.
- CT02. Independent learning: skills for choosing strategies to search, analyse, evaluate and manage information from different sources, as well as to independently learn and put into practice what has been learnt.
- CT03. Teamwork: ability to integrate and collaborate actively with other people, areas and/or organisations to reach common goals.

- CT05. Analysis and problem-solving: be able to critically assess information, break down complex situations, identify patterns and consider different alternatives, approaches and perspectives in order to find the best solutions and effective negotiations.

Specific skills (CE, by the acronym in Spanish):

- CE6 - Capacity to apply the fundamental principles and basic techniques of smart systems.
- CE7. Ability to understand the life cycle of data, from data operation to data visualisation, including how to glean new information and how to use it.
- CE8. Ability to design technology and infrastructure suitable for the development and deployment of distributed systems.
- CE9. Ability to apply safety assessment criteria and methods and safety certification, as well as compliance with current legislation on personal data, privacy and the rights of the general public.

Learning outcomes (RA, by the acronym in Spanish):

- RA1 Explain the importance of security in computer systems.
- RA2 Analyse the security risks involved with data systems and choose the appropriate safety measures to guarantee quality of service and compliance with current data legislation.

The following table shows how the skills developed in the subject area match up with the intended learning outcomes:

Skills	Learning outcomes
CB1, CB2, CT1, CT3	RA1 Explain the importance of security in computer systems.
CB2, CT5, CE7, CE8, CE9	RA2 Analyse the security risks involved with data systems and choose the appropriate safety measures to guarantee quality of service and compliance with current data legislation.
CT2, CT3, CE7, CE9	RA2 Understand the legal framework which governs data protection. The General Data Protection Regulation and Organic Law on Personal Data Protection and Guarantee of Digital Rights, which provide an overall understanding of the subject.
CT3, CT5, CE7, CE8, CE9	RA2 Recognise the different institutions, authorities and positions which control and supervise data and the main processes for data management and compliance with current legislation.

4. CONTENTS

Unit 1. Core principles of legislation and data protection.

Unit 2. Legal context:
General Data Protection Regulation.
Organic Law on Personal Data Protection and Guarantee of Digital Rights.
Equivalent legislation in other countries.

Unit 3. Data protection management:
Data protection officers. DPD.
The principle of accountability and its application in data processing.

Controlling bodies and procedures in data protection.
International data transfer.

Unit 4. Standards and good practice codes.

Unit 5. Data protection in specific sectors.

5. TEACHING/LEARNING METHODS

The types of teaching/learning methods are as follows:

Master lectures
Case studies
Collaborative learning
Problem-based learning
Project-based learning
Learning based on laboratory work (laboratory, workshop and simulated environments)
Gamification
Field work (field trips, professional talks, work experience)

6. LEARNING ACTIVITIES

The types of learning activities, plus the amount of time spent on each activity, are as follows:

Learning activity	Number of hours
Master lectures	24h
Problem solving and case studies	16h
Practical seminars and debates	16.5 h
Autonomous learning	50h
Tutorials	6h
TOTAL	**112.50 h**

7. ASSESSMENT

The assessment methods, plus their weighting in the final grade for the subject area, are as follows:

Assessment system	Weighting
On campus tests to evaluate objectives of theory/practical learning (exam-type objective tests, written compositions, spoken presentations, case studies/problem solving, debates, simulation tests).	65%

Laboratory, workshop or simulation tests (activity reports, spoken presentations).	10%
Off-site tests to assess theory/practical learning (case studies and problem solving).	10%
Attitude assessment tests (attitude assessment rubrics and class participation).	10%
Self- and co-assessment (learning objectives).	5%

On the Virtual Campus, when you open the subject area, you can see all the details of your assessment activities and the deadlines and assessment procedures for each activity.

8. BIBLIOGRAPHY

Recommended manuals:

Hernández López, JM (2022) Esquemas de la Protección de Datos I. Tirant lo Blanch

Rallo Lombarte A (2019) Tratado de Protección de datos actualizado con la Ley Orgánica 3/2018 de 5 de diciembre de protección de datos personales y garantía de los derechos digitales. Tirant lo Blanch

Basic Legislation and websites of interest:

Reglamento General de Protección de Datos (UE 2016/679 de 27 de abril de 1016)

Ley Orgánica 3/2018 de 5 de diciembre de Protección de Datos Personales y garantía de los derechos digitales.

https://www.aepd.es/es

https://edpb.europa.eu/edpb_en

Additional bibliography:

Duran Cardo B (2019) El Delegado de Protección de Datos en el RGPD y la nueva LOPDGDD. La Ley.

Arenas Ramiro, M y Ortega Giménez A (2019) Comentarios a la Ley Orgánica de Protección de Datos Garantia de Derechos Digitales (en relación con el RGDP). Sepin.