

## TECHNICAL SHEET OF THE SUBJECT

Data of the subject	
Subject name	Legal and Regulatory Framework. Data privacy
Subject code	DTC-MCS-523
Involved programs	Máster Universitario en Ingeniería de Telecomunicación y Máster en Ciberseguridad [Primer Curso] Máster en Ciberseguridad [Primer Curso]
Level	Master
Quarter	Semestral
Credits	3,0 ECTS
Type	Obligatoria
Department	Department of Telematics and Computer Sciences

Teacher Information	
<b>Teacher</b>	
Name	Marta Concepción Cañas Miralles
Department	Department of Telematics and Computer Sciences
E-Mail	mccanas@icai.comillas.edu
<b>Teacher</b>	
Name	Ofelia Tejerina Rodríguez
Department	Centro de Innovación del Derecho (CID - ICADE)
E-Mail	otejerina@comillas.edu

## SPECIFIC DATA OF THE SUBJECT

Contextualization of the subject
<b>Prerequisites</b>
There are no prerequisites for this course.

Competencies - Objectives
<b>Learning outcomes</b>
Introduction to the normative and legal aspects related to data protection and privacy, as well as its direct relationship with Cybersecurity according to the regulatory and legislative framework

## THEMATIC BLOCKS AND CONTENTS

Contents - Thematic Blocks
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## Contents

### Theoretical legal framework on data privacy and involved sectors. (4hrs)

Review of the legal bases that regulate privacy: concepts, general and sectoral regulations, and the most relevant jurisprudence.

### Legislation on protection of personal and confidential data (GDPR- General Data Protection Regulation). (6hrs)

Content of the Organic Law 3/2018, of December 5, on the Protection of Personal Data and guarantee of digital rights. The General Data Protection Regulation of the EU, and Law 1/2019, of February 20, on Business Secrets. Theoretical - practical analysis of the main implications regarding the rights of individuals in the security of their data, and procedural aspects of guarantee.

### European directives and cybersecurity / privacy agencies. (5hrs)

Introduction, functions and relationship within the companies, organizations and the privacy authorities. Data Protection Agency.

### Regulations that affect the processing of personal data: National Security Scheme ENS, NIS-D, MPD. (2hrs)

Details of the regulations, regulatory bodies, and compliance issues.

### Regulations that affect the processing of personal data: National Security Scheme ENS, NIS-D, MPD. (3hrs)

Details of the regulations, regulatory bodies, and compliance issues.

### Security breaches (2hrs)

Management of security breaches that affect personal data.

### Security of suppliers in the supply chain. Third party regulations. (2hrs)

Principles of ensuring privacy and security controls in the supply chain. Third party regulations.

### Aspects to take into account in the management of projects related to cybersecurity and privacy. (8hrs)

Project management to meet privacy and security requirements from design. Security by default concept.

## TEACHING METHODOLOGY

### General methodological aspects of the subject

- Master classes
- Resolution of practical cases

## EVALUATION AND CRITERIA

### Ratings

**Grading system:**



# COMILLAS

UNIVERSIDAD PONTIFICIA

ICAI

ICADE

CIHS

**Syllabus**  
**2021 - 2022**

- Preparation and Participation in debates and problem solving classes (50%)
- Final exam. May consist on multiple-choice questions, open questions or both. The final exam could be replaced by an individual report. (50%)

## BIBLIOGRAPHY AND RESOURCES

### Basic Bibliography

**Reglamento general de protección de datos: Hacia un nuevo modelo europeo de protección de datos** (Derecho administrativo). Ed. REUS. 2016. Dir. Jose Luís Piñar Mañas. Autores: Borja Adsuaa Varela, Carlos Alonso Martínez, María Álvarez Caro, & 33 más.

**El nuevo marco regulatorio derivado del Reglamento Europeo de Protección de Datos**. Ed. WOLTERS KLUWER. 2018. Coord.: José López Calvo. Autores: Ana Aperribai Ulacia, Román Intxaurtieta Madariaga, Juan Antonio Toro Peña, Javier Puyol Montero, entre otros.

**La figura del responsable en el derecho a la protección de datos**. Ed. LA LEY. Autor: Belén Durán Cardo.

**Cómo sobrevivir al GDPR**. Ed. BOSCH. 2018. Autor: Wolters Kluwer.

**Guías de ayuda de la Agencia Española de Protección de Datos**: <https://www.aepd.es/es/guias-y-herramientas/guias>

**Guías del Information Commissioner's Office (UK)**: <https://ico.org.uk/for-organisations/guide-to-data-protection/>

**Ciberseguridad Ahora: Conceptos clave para gestionar el riesgo y asegurar los activos empresariales**. Ed. Independently published. 2019. Autor: Víctor M Ruiz Lara.

**El cisne negro: el impacto de lo altamente improbable**. Ed. Planeta 2012. Autor: Nassim Nicholas Taleb.

**Ingeniería social. El arte del hacking personal**. Ed. ANAYA. 2011. Autor: Christopher Hadnagy.

**The Shellcoder's Handbook: Discovering and Exploiting Security Holes**. Ed. Wiley Publishing, Inc. 2007. Autores: Jack Koziol, David Litchfield, Dave Aitel, Chris Anley, Sinan Eren, Neel Mehta, and Riley Hassell.

**Ethical Hacking. Un enfoque metodológico para profesionales**. Ed. ALFAOMEGA. 2010. Autores: Ezequiel Sallis, Claudio Caracciolo y Marcelo Rodríguez.

**Ciberseguridad y transformación digital: Cloud, Identidad Digital, Blockchain, Agile, Inteligencia Artificial**. Ed. ANAYA. 2019. Autores: María Ángeles Caballero Velasco, Diego Cilleros Serrano.

**How to Measure Anything in Cybersecurity Risk**. Ed. WILEY. 2016. Autores: Douglas W. Hubbard, Richard Seiersen.