



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

SPECIFIC DATA OF THE SUBJECT

Contextualization of the subject
Prerequisites
There are no prerequisites for this course.

Competencies - Objectives
Learning outcomes
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
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:

- 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 Adsuaara 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.



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Syllabus 2020 - 2021

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.