
Academic Year: (2024 / 2025)**Review date: 17-04-2024**

Department assigned to the subject: Public State Law Department**Coordinating teacher: SERNA BILBAO, MARIA NIEVES DE LA****Type: Compulsory ECTS Credits : 3.0****Year : 1 Semester : 2**

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

those required by the title

OBJECTIVES

- Ability to identify the legislation, regulation and standardization of the IoT.
- Acquire basic knowledge in essential legal issues
- Know how to communicate their conclusions and knowledge and basic reasons related to the legal field with which they work
- Know and apply the law and legal aspects of IoT.
- Know the models and reference structures of IoT.
- Ability to analyze, design and control systems and services
- Know the security risks of an IoT environment.
- Know the physical security measures applicable to mobile devices.
- Know and apply the fundamental techniques for protecting information stored on mobile devices.
- Master the main existing security protocols for mobile communications and their application spectrum.

DESCRIPTION OF CONTENTS: PROGRAMME

Legal and business aspects program

- 1.- Introduction to IOT
- 2.- Legal regulation of the IOT.
- 3.- Privacy and Data Protection in IOT
- 4.- Security in the IOT.

LEARNING ACTIVITIES AND METHODOLOGY

TRAINING ACTIVITIES OF THE STUDY PLAN REFERRED TO SUBJECTS

- AF1 Theoretical class
- AF4 Practical cases
- AF6 Group work
- AF7 Individual student work
- AF8 Partial checks
- AF8 Final Exam

The methodology used will be through face-to-face classes that will be held in accordance with the schedule approved for the subject by the Master's Directorate.

To facilitate the follow-up of the classes, the materials for each Global Classroom Lesson will be uploaded, as well as the practical exercises and assignments.

TUTORIAL REGIME

Tutorials will be provided by email or through the bb collaborate platform, at the times indicated in AULA GLOBAL either individually or in groups.

ASSESSMENT SYSTEM

% end-of-term-examination:	0
% of continuous assessment (assignments, laboratory, practicals...):	100

The evaluation system of the subject will be 100% continuous evaluation.

It will be done through the realization of practical cases

The works that the professor determines will pursue that all the contents of the program are worked and it will be valued

-Class participation

-Individual or group work carried out during the course

-Any other determined by the teacher

The evaluation's mission is to know the degree of compliance with the programmed objectives. In this sense, it is necessary to indicate that the Master in Telecommunications Law, Data Protection, Audiovisual and Information Society is a program that is taught in person, since the student's assistance is considered essential to access and understand the knowledge. and experiences transmitted by the different professors who participate in the master's degree who have an important professional and academic career in the subject developed.

From this consideration, it is necessary to highlight that the final grade of the students seeks to assess the knowledge acquired through the subject evaluation system that combines the following activities and percentages:

(i) Final Exam (50%). There will be an individual knowledge test, related to the main concepts developed during the sessions, with questions developed by the different teachers who have taught the sessions.

(ii) Carrying out individual activities or work during the course (50%): Various activities will be weighted, such as solving practical cases; search for different documentation indicated in advance and worked on; exposition and defense of the worked materials; reading of bibliography and summary of his exposition.

Students are required to attend all the theoretical and practical classes that have been scheduled. Only a maximum of 15 percent of the classroom hours (not of the sessions or days) in each subject may be absent without just cause. In case of excused absences, the total maximum will be 25 percent. If the student incurred a lack of attendance higher than those indicated, they will be scored with a "0" in the continuous evaluation. Likewise, absences below these percentages may be taken into account when modulating the continuous assessment grade downwards, especially if it includes a participation note.

BASIC BIBLIOGRAPHY

- - CARLOS GALAN PASCUAL El Real Decreto-ley de Seguridad de las redes y de los sistemas de información, El Real Decreto-ley de Seguridad de las redes y de los sistemas de información Carlos Galán Pascual Revista SIC: ciberseguridad, seguridad de la información y privacidad, ISSN 1136-0623, Vol. 27, Nº. 132, 2018, págs. 98-100, 2018

- - CARLOS GALAN PASCUAL ¿El Derecho a la Ciberseguridad, cOords. Tomás de la Quadra Salcedo y José Luis Piñar Mañas., (BOE, BOE, 2018)

- - MOISES BARRIO ANDRES Hacia una personalidad electrónica para los robots, Revista de derecho privado, ISSN 0034-7922, Año nº 102, Mes 2, 2018, págs. 89-107, 2018

- Agustín Madrid Parra María Jesús Blanco Sánchez Derecho mercantil y tecnología , Aranzadi Thomson Reuters ISBN 9788490992142; ISBN 9788490992166 (cub., 2018)

- CARLOS GALAN La certificación como mecanismo de control de la inteligencia artificial en Europa, Documento de Opinión 46/2019, 2019

- Cerrillo Martínez, A Y Peguera Poch, M; Retos jurídicos de la inteligencia artificial, Ed Aranzadi, 2020 ISBN: 9788413465821, 2020

- Dirección Huergo Lora, Alejandro ; La regulación de los algoritmos;, Ed Aranzadi, 2019, ISBN: 9788413450964, 2019

- MARIA NIEVES DE LA SERNA / CARLOS GALAN Y FERNANDO FONSECA DERECHO DE LAS TECNOLOGÍAS DE LA INFORMACIÓN, OPEN COURSE UC3M, 2021

- Moises Barrio Andrés internet de las cosas, Reus 2018 ISBN 9788429020380, 2018 ISBN 9788429020380

- SOLAR CAYON JM LA INTELIGENCIA ARTIFICIAL JURÍDICA EL IMPACTO DE LA INNOVACIÓN TECNOLÓGICA EN LA PRÁCTICA DEL DERECHO Y EL MERCADO DE SERVICIOS JURÍDICOS, ARANZADI, 2019

- Solución para garantizar la privacidad en internet de las cosas Sánchez Alcón, José Antonio ; López Santidrián, Lourdes ; Fernán Martínez, José , ISSN: 1386-6710 El profesional de la información, 2015, Vol.24(1), pp.62-70 , 2015

- VVAA DIR. TRONCOSO REIGADA Comentario al Reglamento General de Protección de Datos y a la Ley Orgánica de Protección de Datos personales y Garantía de los Derechos Digitales, Civitas, 2021, ISBN: 978-84-9197-927-2, 2021

- Wolfgang Hoffmann-Riem Antonio López Pina Big Data : desafíos también para el Derecho , Civitas Thomson Reuters 2018 ISBN 9788491979142; ISBN 9788491979159 (cub.), 2018

BASIC ELECTRONIC RESOURCES

- AEPD . AEPD: <http://https://www.aepd.es/>

- AGENCIA CATALANA DE PROTECCION DE DATOS . ACPD: <http://https://apdcat.gencat.cat/es/inici/>

- AGENCIA VASCA PROTECCION DE DATOS . AVPD: <http://www.avpd.euskadi.eus/s04-5213/es/>

- COORD MARIA NIEVES DE LA SERNA BILBAO . DERECHO DE LAS TECNOLOGIAS DE LA INFORMACIÓN: <http://http://ocw.uc3m.es/derecho-administrativo>

- ENATIC . La piedra angular del Internet de las cosas: <https://www.abogacia.es/2015/02/16/la-piedra-angular-del-internet-de-las-cosas/>

- GALAN PASCUAL Y OTROS . ¿La Enciclopedia de los Servicios de Certificación para las administraciones locales¿: http://http://femp.femp.es/files/566-2392-archivo/ID_Digital_VDigital.pdf