Teaching Guide					
Identifying Data					2022/23
Subject (*)	Legal Relations in the Digital Society			Code	612539001
Study programme	Máster Universitario en Dereito Dixital e da Intelixencia Artificial				
Descriptors					
Cycle	Period	Year		Type	Credits
Official Master's Degree	1st four-month period	First		Obligatory	6
Language	SpanishGalician				
Teaching method	Face-to-face				
Prerequisites					
Department	Ciencias da Computación e Tecnoloxías da InformaciónDereito PrivadoDereito Público				
Coordinador	Peña Lopez, Fernando		E-mail	fernando.pena@udc.es	
Lecturers	Aba Catoira, Ana Maria Crego Blanco, Jorge Legeren Molina, Antonio Pazos Sierra, Alejandro Peña Lopez, Fernando Quindimil Lopez, Jorge Antonio		E-mail	ana.abac@udc.es jorge.crego@udc.es antonio.legeren@udc.es alejandro.pazos@udc.es fernando.pena@udc.es jorge.quindimil@udc.es	
Web	https://www.udc.es/es/dereito/estudos/mestrados/mestrado-universitario-en-dereito-dixital-e-da-intelixencia-artificial-muddia/				
General description	"Legal relations in the digital society" is intended to serve as an introduction to the Master and to present a global overview of the social, legal, ethical, economic, and political transformations and challenges posed by digitalization				

Study programme competences	
Code	Study programme competences
A2	Conocimiento de la dimensión ética y política de la sociedad digital
A3	Conocimiento y comprensión de los cambios en los conceptos, los sujetos y los procesos jurídicos en la sociedad digital
A14	Conocimientos y habilidades para comprender y resolver las cuestiones jurídicas relacionadas con la criminalidad informática, la ciberseguridad y la ciberdefensa
B4	Capacidad para identificar cuestiones jurídicas relevantes partiendo de un conjunto complejo de hechos no estructurado jurídicamente.
B7	Capacidad para diseñar estrategias y soluciones nuevas e imaginativas para los problemas
B20	Poseer y comprender conocimientos que aporten una base u oportunidad de ser originales en el desarrollo y/o aplicación de ideas, a menudo en un contexto de investigación
B21	Que los estudiantes sepan aplicar los conocimientos adquiridos y su capacidad de resolución de problemas en entornos nuevos o poco conocidos dentro de contextos más amplios (o multidisciplinares) relacionados con su área de estudio CB8 - Que los estudiantes sean capaces de integrar conocimientos y enfrentarse a la complejidad de formular juicios a partir de una información que, siendo incompleta o limitada, incluya reflexiones sobre las responsabilidades sociales y éticas vinculadas a la aplicación de sus conocimientos y juicios
B22	Que los estudiantes sepan comunicar sus conclusiones y los conocimientos y razones últimas que las sustentan a públicos especializados y no especializados de un modo claro y sin ambigüedades
C4	Desarrollarse para el ejercicio de una ciudadanía respetuosa con la cultura democrática, los derechos humanos y la perspectiva de género
C6	Valorar críticamente el conocimiento, la tecnología y la información disponible para resolver los problemas a los que deban enfrentarse.
C7	Asumir como profesional y ciudadano la importancia del aprendizaje a lo largo de su vida.

Learning outcomes			
Learning outcomes	Study programme competences		
Knowing how to place digital and artificial intelligence law in the social and political context	AJ2 AJ3	BJ4 BJ21	CJ4 CJ6

Knowing how to anticipate and adapt to technological changes	AJ3	BJ7 BJ20	CJ6
Knowing how to place technological development within the framework of global human life	AJ2 AJ3		CJ4 CJ6
Building a humanistic basis to face technological challenges	AJ2 AJ3	BJ4	CJ4 CJ6
Knowing the changes and challenges for legal relationships due to the influence of technology	AJ3 AJ14	BJ7	CJ4 CJ6 CJ7
Knowing the influence of digital technology in the configuration and guarantee of fundamental rights	AJ2 AJ14	BJ21	CJ4 CJ6
Knowing the basic aspects of decision-making supported by artificial intelligence	AJ2 AJ3	BJ4 BJ7 BJ20 BJ21 BJ22	CJ6 CJ7
Acquiring conceptual tools to think about current times	AJ3	BJ20	CJ6 CJ7
Grasping a global vision of the Law in order to face the challenges and gaps in the technological context	AJ3	BJ4 BJ21 BJ22	CJ4 CJ6

Contents	
Topic	**Sub-topic**
Technical introduction to new technologies	Basic knowledge in artificial intelligence
Digital society and the cyberspace	Science, technology and law Transformations in international society: a digital world order International and European framework of cyberspace
State, territory, and digital soberanity	Territorial sovereignty in the digital age State and international actors in the digital scenario Digital democracy: sovereignty and governance
Ethical framework of the digital society	Does the digital society need an Ethics? Ethics of artificial intelligence and fundamental rights
Technology and fundamental rights	Fundamental rights and digital rights Freedoms and informative determinism Equality and non-discrimination. Superintelligence Justice and algorithm
Robotics, legal personhood, and liability	Rights in the digital age Digital identity Digital inheritance Robots liability
Legal reasoning and artificial inteliigence	Rationality and biases Legal argumentation and artificial intelligence Algorithms and discretionality

Planning				
Methodologies / tests	**Competencies**	**Ordinary class hours**	**Student?s personal work hours**	**Total hours**
Case study	A2 A3 A14 B4 B7 B20 B21 B22 C4 C6	16	48	64

Objective test	A2 A3 A14 B22	1	1	2
Events academic / information	A2 A3 B20 C4 C6 C7	5	5	10
Guest lecture / keynote speech	A2 A3 A14 B20 B21 C4 C6 C7	24	48	72
Personalized attention		2	0	2
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

Methodologies	
Methodologies	Description
Case study	Critical exposition and analysis of texts or cases that serve to link theoretical learning with its practical application and to develop the capacity for synthesis, systematic, critical and creative thinking and argumentative skills.
Objective test	Assessment of the knowledge of the main contents of the subject
Events academic / information	Acquisition and updating of knowledge and dialogue with leading experts in the field. Incorporation of different perspectives that improves learning.
Guest lecture / keynote speech	Introduction of the main contents of the subject.

Personalized attention	
Methodologies	Description
Case study	Supervision and reinforcement of the learning process. Orientation for applying konwledges and developping argumentative skills. Students with part-time dedication and exemption from class attendance. Supervision through tutorials.

Assessment			
Methodologies	Competencies	Description	Qualification
Case study	A2 A3 A14 B4 B7 B20 B21 B22 C4 C6	Evaluation of the practical application capacity of knowledge. Evaluation of the ability for synthesis, critical analysis and creativity. Assessment of argumentative fluency and coherence. Assessment of accuracy in argumentation	60
Objective test	A2 A3 A14 B22	Assessment of knowledge and understanding of main contents.	40

Assessment comments
1. Assessment of the second opportunity. The student will keep the grade obtained in the case study if it is equal or higher than a passing grade in that part (3 or more). In case of a failing grade (less than 3) in that part, he/she will be able to use the modality for students with acknowledged part-time dedication and exemption from class attendance. 2. Plagiarism or academic fraud.Student fraudulentbehavior in the assessment activities, and particularly plagiarism (in theworkshops and document analysis), will result in a grade of "0 (Failing grade)" in the corresponding opportunity. 3. Assessmentcriteria for students with acknowledged part-time dedication and exemption fromclass attendance. The objective test (40%) will have the same conditions as for the rest of the students. The assessment of case study will consist of the delivery of written comments before the date of the exam (multiple-choice questions).

Sources of information

Basic	- AA.VV. (2020). Protección de datos personales. Valencia: Tirant - Barbé, E.; Costa, O.; Kissack, R. (eds.) (2016). EU policy responses to a shifting multilateral system. Palgrave Macmillan - Bostrom, Nick (2016). Superinteligencia. Teell - Cerrillo Martínez, A: Peguera Poch, M (coord.) (2020). Retos jurídicos de la inteligencia artificial. Aranzadi - Díaz Alabart, S. (2018). Robots y responsabilidad civil. Madrid: Reus - Domínguez León, J. (2016). La ciberguerra como realidad posible contemplada desde la prospectiva. Revista de pensamiento estratégico y seguridad CISDE - Ebers, M. (2016). La utilización de agentes electrónicos inteligentes en el tráfico jurídico: ¿Necesitamos reglas especiales en el Derecho de la responsabilidad civil?. Indret 3 - García Herrera, V (2017). La disposición sucesoria del patrimonio digital. Actualidad civil 7-8 - Gómez Ligüerre, C.; García Micó, G. (2020). Liability for Artificial Intelligence and other emerging technologies. Indret 1 - Lessig, L. (2009). El código 2.0. Madrid: Traficantes de sueños - Segura Serrano, A. (2017). Ciberseguridad y Derecho internacional. Revista española de Derecho internacional 69/2 - Solar Cayón, José Ignacio (2019). La inteligencia artificial jurídica. Thomson Reuters - Solé Resina, J (2018). Las voluntades digitales: marco normativo actual. Anuario de Derecho civil LXXI
Complementary	

Recommendations
Subjects that it is recommended to have taken before
Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus
Other comments

(*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.