



COURSE: Proyectos, Normativa y Política de telecomunicaciones		
DEGREE: Grado en Ingeniería Telemática	YEAR: 4º	TERM: 1

*La asignatura tiene 29 sesiones que se distribuyen a lo largo de 14 semanas. Los laboratorios pueden situarse en cualquiera de ellas.
Semanalmente el alumno tendrá dos sesiones, excepto en un caso que serán tres*

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		Special room for session (computer classroom, audio-visual classroom...)	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Introduction of the course				Organization of the course and approach work planned	1,6	
1	2	Projects: Project Management: General Concepts				Project concept, versus what operations are. General concepts associated with project management	1,6	
2	3	Policy and regulation: Introduction of the Telecommunication Sector				Why is regulation relevant in the telecommunications sector? Monopoly and liberalization	1,6	
2	4	Projects: Project Life Cycle and project startup				Project life and product cycle. Different types of life cycle. Activities necessary for starting a project	1,6	

3	5	Policy and regulation: Global framework of telecommunications (I)				Communications services: fixed telephony, mobile telephony, broadband and pay TV. Market trends.	1,6	
3	6	Projects: Project integration and scope				The overall vision of the project, its integrated vision and skill set required for a proper management. Project Concept Plan, which must be its content and how to create it. Tracking scope and change management.	1,6	
4	7	Policy and regulation: Global framework of telecommunications (II)				Standardization. Security in telecommunications. The Digital Divide.	1,6	
4	8	Projects: Managing Project schedule				Development project schedule and monitoring. Reduction techniques for scheduling.	1,6	
5	9	Policy and regulation: Social and economical aspects of the Telecommunication Sector				Infrastructure, Network and Service. Competition between operators. Business plan of an operator. Price competition	1,6	
5	10	Projects: Managing Project costs and procurement				Budgeting and project reserves. Monitoring. S. curve. Decision making or buying. Procurement processes. Types of contracts. Procurement Plan.	1,6	
6	11	Policy and regulation: Europe telecommunication Policy (I)				EU vision. Single Market. Analysis of mergers between operators.	1,6	
6	12	Projects: Managing Project risk and quality				Concept of risk identification, impact assessment and strategies to address the risks. Risk Plan. Concepts relating to the quality of a project, such as assurance, control and quality plan.	1,6	
7	13	Policy and regulation: Europe telecommunication Policy (II)				Principles of Regulatory Framework. Application of the Regulatory Framework. Operators with Significant Market Power (SMP)	1,6	
7	14	Projects: Human Resources and communication management				Team building. Motivation. Leadership. Resource management. Resource Plan. Forms of communication. Conflict resolution. Communication plan	1,6	
8	15	Policy and regulation: Implementation of the regulatory framework in Spain (I)				Current market situation in Spain. General Telecommunications Law.	1,6	

8	16	Projects: Project monitoring, control and closure				Tracking tools and project control. Earned Value Management (EVM). Closing acquisitions. Lessons Learned and Administrative Closure.	1,6	
9	17	Policy and regulation: Implementation of the regulatory framework in Spain (II)				Obligations for operators.	1,6	
9	18	Projects: Review					1,6	
10	19	Policy and regulation: Interconnection (I)				What is interconnection? Regulation of interconnection. Future development of interconnection services	1,6	
10	20	Policy and regulation: Interconnection (II)				Dial-up service. Indirect access operators and mobile virtual network operators	1,6	
11	21	Policy and regulation: Access infrastructures regulation				The access network. Regulation of the access network.	1,6	
11	22	Policy and regulation: Radio spectrum Management				Radioelectric spectrum. Regulation of the radio spectrum. efficient spectrum management	1,6	
12	23	Policy and regulation: Network Neutrality				Different types of data in the Internet. Data discrimination aspects for and against.	1,6	
12	24	Policy and regulation: The telecomm networks and their relations with users				Regulation of NGA networks. Quality of services	1,6	
13	25	Policy and regulation: The telecomm networks and their relations with users				Situation in Spain of NGA fiber networks. Development of NGA networks	1,6	
13	26	Policy and regulation: The Universal Service concept and Data protection				What is the Universal Service? Financing of Universal Service. User rights regarding the protection of personal data	1,6	
14	27	Policy and regulation: Intellectual Property Rights and tv contents				Management of copyright in the information society. The costs of tv content.	1,6	
14	28	Policy and regulation: Review					1,6	
	29	Projects: Complementary session				Specification of practice to develop. Description, references and data use and organization of the document to be presented.		
Subtotal 1							48,33	
Total 1 (<i>Hours of class plus student homework hours between weeks 1-14</i>)								

15		Tutorials, handing in, etc						
16		Assessment						
17							3	
18								
Subtotal 2							3	
Total 2 (<i>Hours of class plus student homework hours between weeks 15-18</i>)								

TOTAL (<i>Total 1 + Total 2</i>)							150
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