

SUBJECT TEACHING GUIDE

G1702 - Regulations and Projects

Degree in Telecommunication Technologies Engineering
 First Degree in Telecommunication Technologies Engineering

Academic year 2024-2025

1. IDENTIFYING DATA					
Degree	Degree in Telecommunication Technologies Engineering First Degree in Telecommunication Technologies Engineering			Type and Year	Compulsory. Year 4 Compulsory. Year 4
Faculty	School of Industrial Engineering and Telecommunications				
Discipline	Subject Area: Regulations and Projects Module in Common with the Telecommunications Branch				
Course unit title and code	G1702 - Regulations and Projects				
Number of ECTS credits allocated	6	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	Yes	Mode of delivery	Face-to-face

Department	DPTO. INGENIERIA DE COMUNICACIONES
Name of lecturer	FRANCO ARIEL RAMIREZ TERAN
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Other lecturers	EDUARDO ARTAL LATORRE BEATRIZ AJA ABELAN

3.1 LEARNING OUTCOMES

- Knowledge of Spanish and European and international legal regulations on electronic circuits and telecommunication systems.
- Knowledge of the Spanish, European and international organizations that regulate the use of telecommunications.
- Capability for the elaboration, planning, direction, coordination and technical and economic management of projects in the field of telecommunications.
- Capability to use IT tools for the preparation and documentation of projects, as well as their usage for management purposes.
- Knowledge of Common Telecommunication Infrastructure (Infraestructura Comunes de Telecomunicaciones - ICTs) installation regulations for the partial or total preparation of a project in a residential building.

4. OBJECTIVES

- To provide the necessary knowledge to understand the legal and regulatory framework related to the policies and regulation of electronic communications systems.
- Students will learn about the regulatory bodies with competence in telecommunications at the national, European and international levels.
- Students will develop the ability to develop, plan, manage and coordinate projects in the field of telecommunications.
- Students will acquire the skills to apply and use ICT tools for the administration and control of projects in the field of telecommunications.
- Students will acquire the ability to apply and understand the Spanish regulations, related to the Common Telecommunications Infrastructures, applied to the preparation of partial or total projects oriented to residential buildings.

6. SUBJECT PROGRAM

CONTENTS

1	Regulations. 1.- Introduction. 2.- Liberalization of the telecommunications market. 3.- Telecommunications and regulations. 4.- Actual regulatory framework: a) European Union. B) Spain - General Telecommunications Law. 5.- Regulatory bodies. 6.- Electromagnetic spectrum management.
2	Project Management. 1.- Introduction. 2.- Project life cycle. 3.- Planning and control cycle. 4.- Project task structure. 5.- Control and monitoring methods. 6.- Schedules. 7.- Resources planning.
3	Common Telecommunication Infrastructures - 1.- Introduction. 2- Regulatory framework. 3.- Common Telecommunication Infrastructures.

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Continuous evaluation: Two written tests.	Written exam	No	Yes	15,00
Group work: oral presentation and written report.	Work	No	Yes	15,00
Preparation of a project proposal. Deadline: date of the final exam.	Work	No	Yes	30,00
Activities carried out in the classroom during classes.	Others	No	No	10,00
Written test after laboratory sessions and preparation of an ICT project.	Work	No	Yes	30,00
TOTAL				100,00
Observations				
Distance evaluation of assignments, practical laboratory exercises and written tests is foreseen in the event that a new health alert by COVID-19 makes it impossible to carry out the evaluation in person.				
Observations for part-time students				
TBD				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
Manual sobre la preparación de proyectos técnicos de infraestructura común de telecomunicaciones Luis F. Méndez Colegio Oficial de Ingenieros de Telecomunicación (COIT)
Project management : a systems approach to planning, scheduling, and controlling Harold Kerzner John Wiley & Sons, Inc.
Project management : planning and control techniques Rory Burke John Wiley & Sons
Project management for telecommunications managers Celia L. Desmond Kluwer
Normativa de las Infraestructuras Comunes de Telecomunicaciones (ICT). Versión actualizada 2011. Colegio Oficial de Ingenieros de Telecomunicación (COIT).
Fundamentos teóricos y diseño de instalaciones comunes de telecomunicación para los servicios de radiodifusión (8ª edición). Félix Pérez, Mateo Burgos Colegio Oficial de Ingenieros de Telecomunicación (COIT)