



IDENTIFYING DATA

Telecommunication Projects Management

Subject	Telecommunication Projects Management			
Code	V05M145V01201			
Study programme	Telecommunication Engineering			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	5	Mandatory	1st	2nd
Teaching language	Spanish			
Department				
Coordinator	González Castaño, Francisco Javier			
Lecturers	González Castaño, Francisco Javier Lorenzo Rodríguez, María Edita de			
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General description	A real approach to telecommunications projects management, including knowledge of telecommunications companies and how they are organized, and novel methodologies for project management and human resource management. Knowledge of the main operational divisions: executive, technical, commercial and support.			

Competencies

Code	
B2	CG2 Capacity for managing projects and telecommunication systems facilities, complying with current legislation, ensuring the quality of service.
B3	CG3 Ability to lead, plan and monitor multidisciplinary teams.
B6	CG6 Capacity for general direction, technical direction and management of research, development and innovation projects in companies and technological centers.
B10	CG10 Ability to apply principles of economics and human resources and projects management, as well as legislation, regulation and standardization of telecommunications.
B13	CG13 Knowledge, understanding and ability to implement the necessary legislation in the exercise of the profession of Telecommunication Engineering.
C16	CE16/GT2 Capacity for the development, direction, coordination, and technical and financial management of projects on telecommunications systems, networks, infrastructure and services, including supervision and coordination of the accompanying work subprojects; common telecommunications infrastructures in buildings or residential areas, including projects on digital home; telecommunications infrastructure in transport, and environment; with the corresponding energy supply facilities, and evaluation of electromagnetic emissions and electromagnetic compatibility.
D1	CT1 Being able to predict and control the evolution of complex situations by developing new and innovative working methodologies matched to the specific scientific / research, technological or professional fields, generally multidisciplinary, in which their activities are conducted.
D5	CT5 Encourage cooperative work, communication skills, management, planning and acceptance of responsibilities in an environment of multilingual and multidisciplinary work, which promotes education for equality, peace and respect for fundamental rights.

Learning outcomes

Expected results from this subject	Training and Learning Results
- Knowledge of procedures for innovation and creativeness.	B2 B3 B6 B10 B13 C16 D5

- Tools for telecommunications projects management.	B3 D1
- Management of ideas and innovation basics.	B2 B3 B6 B10 B13 C16 D5
- Knowledge of efficient project management.	B2 B3 B6 B10 B13 C16 D5

Contents

Topic		
Telecommunications companies	- A career in the industry - Structure of a telecommunications company - Management roles	Related competencies: CG3, CG6, CT5
Human resource management	- Motivational strategies - Performance analysis - Multidisciplinary coordination	
Work methodology	- Good practice methodologies - Project methodologies - Certifications	Related competencies: CG3, CG6, CT5
Regulatory issues	- Specific regulations of Telecommunications Engineering - R&D regulations - Other (environmental, ethics, ...)	Related competencies: CT1, CG5
		Related competencies: CG2, CG10, CG13, CE16, CG5

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	10	10	20
Mentored work	5	25	30
Seminars	20	40	60
Essay	2	5	7
Essay	2	5	7
Objective questions exam	1	0	1

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Lecturing	Classroom lectures
	Related competencies: all
Mentored work	Group work on selected course contents
	Related competencies: all
Seminars	Invited conferences and discussion on their topics
	Related competencies: all

Personalized assistance

Methodologies	Description
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Lecturing	Lectures on backing topics. Personalized individual attention will take place during official tutoring times or via e-mail at any time.
Mentored work	Work in groups on course topics. Personalized individual attention will take place during official tutoring times or via e-mail at any time.
Seminars	Seminars by industry professionals. Personalized individual attention will take place during official tutoring times or via e-mail at any time.

Assessment

Description		Qualification Training and Learning Results			
Essay	Two assignments of practical work, to be presented as deliverables and defended in public. Assistance to visits to industries and talks by guest speakers and participation in their discussion.	80	B2 B3 B6 B10 B13	C16	D1 D5
Objective questions exam	Written exam. Short-answer questions or multiple-choice test	20	B2 B3 B6 B10 B13	C16	D1 D5

Other comments on the Evaluation

According to the degree directives, students will be granted two evaluation calls. The first call will consist in continuous evaluation during the course and an exam at the end of the course. Continuous evaluation will include the preparation and defense of two assignments, at the middle and the end of the course, respectively.

The assignments will be performed in groups. In order to score students individually, the professors will meet with the students at class during their work in the assignments.

The first call exam at the official examination date will cover all course content.

In the second call, single evaluation will consist in an exam at the official examination date including all course content, either with multiple-choice test questions or short-answer questions.

Class attendance is mandatory.

Sources of information

Basic Bibliography

Complementary Bibliography

E. Bueno Campos, **Organización de Empresas: estructura, procesos y modelos**, 2ª,

PMI, **PMBOK Guide and Standards**, 5ª,

F. J. Galán, **Coaching Inteligente ACCION**, Junio 2011,

Recommendations

Contingency plan

Description

In case of exceptional circumstances related to COVID 19 there will be no written exam, and 100% of the assessment will be proportionally divided between the two assignments, including their preparation and presentation, the questions for the peers, and the answer to those questions and the professors'.