

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 resoruce management. Knowledge of the main operational divisions: executive, technical, commercial and support.			

Competencies	
Code	
B2	CG2 The capacity for managing projects and telecommunication systems facilities, complying with current legislation, ensuring the quality of service.
B3	CG3 The ability to lead, plan and monitor multidisciplinary teams.
B6	CG6 The capacity for general direction, technical direction and management of research, development and innovation projects in companies and technological centers.
B10	CG10 The ability to apply principles of economics and human resources and projects management, as well as legislation, regulation and standardization of telecommunications.
B13	CG13 The knowledge, understanding and ability to implement the necessary legislation in the exercise of the profession of Telecommunication Engineering.
C16	CE16/GT2 The 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 Related competencies: CG3, CG6, CT5
Work methodology	- Good practice methodologies - Project methodologies - Certifications Related competencies: CT1, CG5
Regulatory issues	- Specific regulations of Telecommunications Engineering - R&D regulations - Other (environmental, ethics, ...) Related competencies: CG2, CG10, CG13, CE16, CG5

Planning

	Class hours	Hours outside the classroom	Total hours
Master Session	10	10	20
Tutored works	5	25	30
Seminars	20	40	60
Reports / memories of practice	2	6	8
Jobs and projects	2	4	6
Multiple choice tests	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
Master Session	Classroom lectures Related competencies: all
Tutored works	Group work on selected course contents Related competencies: all
Seminars	Invited conferences and discussion on their topics Related competencies: all

Personalized attention

Methodologies	Description

Master Session	Lectures on backing topics. Personalized individual attention will take place during official tutoring times or via e-mail at any time.
Tutored works	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		
Reports / memories of practice	Practical cases, to be presented as deliverables.	50	B2 B3 B6 B10 B13	C16	D1 D5
Jobs and projects	Practical work, to be presented as deliverables and defended in public	30	B2 B3 B6 B10 B13	C16	D1 D5
Multiple choice tests	Written exam	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 methodologies, continuous evaluation and evaluation at the end of the course. The former will consist in 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 during their work in the assignments.

Evaluation at the end of the course will consist in an exam at the official examination date including all course content.

In the second evaluation option, overall evaluation will consist in an exam at the official examination date including all course content.

Class atendance is mandatory.

Sources of information

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