



IDENTIFYING DATA

Telecommunication Projects Management

Subject	Telecommunication Projects Management			
Code	V05M145V01201			
Study programme	Máster Universitario en Ingeniería de Telecomunicación			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	5	Mandatory	1st	2nd
Teaching language	#EnglishFriendly Spanish			
Department				
Coordinator	González Castaño, Francisco Javier			
Lecturers	González Castaño, Francisco Javier Lorenzo Rodríguez, María Edita de			
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Web	http://moovi.uvigo.gal/			
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.			
	English Friendly subject: International students may request from the teachers: a) resources and bibliographic references in English, b) tutoring sessions in English, c) exams and assessments in English.			

Training and Learning Results

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.

Expected results from this subject

Expected results from this subject	Training and Learning Results
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- 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
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

Lecturing	Lectures on backing topics. Personalized individual attention will take place during official tutoring times published at https://atlanttic.uvigo.es/es/equipo/staff/francisco-javier-gonzalez-castano/ 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	Assignment of practical work, to be presented as a deliverable and defended in public.	40	B2 B3 B6 B10 B13	C16 D1 D5
Essay	Assignment of practical work, to be presented as a deliverable and defended in public.	40	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 assessment opportunities. The first ordinary opportunity 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 exam of the ordinary opportunity at the official examination date will cover all course contents.

In the extraordinary opportunity, global 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