
Academic Year of Degree: 2025/26

23979 - Project Management

Teaching Guide Information

Academic Course: 2025/26

Academic Center: 337 - Engineering School

Study: 3379 - Bachelor's degree in Telecommunications Network Engineering

Subject: 23979 - Project Management

Credits: 5.0

Course: 755 - Minor in International Intercultural Studies: 1
636 - Bachelor's degree in Telecommunications Network Engineering: 4

Teaching languages:

Theory: Group 1: English
Group 2: Catalan
Practice: Group 101: English
Group 102: English
Group 201: Catalan
Group 202: Catalan

Teachers: Elisabet Duocastella Pla, Rebeca Calderon Moron

Teaching Period: First term

Presentation

The Project Management (GP) subject is part of the block of management, regulation and innovation subjects and is compulsory within the teaching plans of ICT engineering at UPF except in Computer Science where it is optional. Likewise, it is offered to the rest of the UPF Degrees within the cross-curricular program of free choice.

GP introduces the student to the world of Information and Communication Technology (ICT) project management. Every Engineer is characterized by carrying out an efficient management of resources in order to achieve objectives. In this course the basic concepts of project management are presented, which in turn is put into practice using project-managed environment simulation tools.

It is a subject with a high practical component that includes the basic concepts of time management, work planning, risks, resource management and costing, among others. The subject represents an important change in the methodology due to the fact that it makes an intensive use of project-based learning.

The subject is part of the EUTOPIA European alliance for the transformation of universities into a multi-university, multidisciplinary and multilingual work environment as an open federation of higher education institutions. Students will

work on a series of local and global challenges proposed by one of the collaborating organizations, presenting responses to these challenges in the form of projects. Students will work on these challenges as a project organized in groups under the mentoring of thematic experts and with the supervision of the professors of the subject.

Associated skills | General learning outcomes

Skills and competences developed along the course:

Basic competences	Specific and transversal competences
CB1. That the students have shown to possess and understand kens at an area of survey that splits of the base of the general secondary nurture, and uses to find at a level that, if well backs at textbook advanced, includes also some aspects that imply pertinent kens of the avant-garde of his area of survey. CB2. That the students know to apply his kens at his work or vocation of a professional way and have of the competences that accustom at evidencing by means of the elaboration and defence of arguments and the resolution of problems in his area of survey. CB3. That the students have the capacity to total and interpret notable data (usually in his area of survey) to emit trials that include a reflection on notable motifs of scientific social look or ethic. CB4. That the students can transmit information, ideas, problems oi solutions at a so much specialised public like no specialised. CB5. That the students have developed those abilities of necessary learning to undertake posterior surveys with a tall rank of autonomy.	CE6. Master the concepts of company, his institutional and juridical frame, as well as of the organisation and management of companies. CT1. Work at squad at international and interdisciplinary contexts CT2. Exert leadership and coordination and evidence initiative CT3. Apply with flexibility and creativity the kens acquired and to adapt them at contexts and new situations. CT4. Communicate at academic and professional contexts of oral form and written at English. CT5. Generate new ideas and incorporate them at the daily work.

Learning outcomes | Specific learning outcomes

RA.CE6.1 it Recognises the concept of company, his institutional and juridical frame, as well as of the organisation and of management of companies.

RA.CE6.2 it Identifies aspects at account at the organisation and management of companies.

Contents

The course combines the following types of content:

- **Theoretical and practical sessions** on project management. The work methodology will be presented in a practical way, so that it can be applied directly to the project developed. Nine sessions will be given in which the methodology will be addressed from the phases of the project (beginning, planning, execution and closure) in addition to monitoring and control.
- Five **work sessions** on the project of each group so that the groups work independently in order to prepare the delivery of the application project presented in the theoretical and practical sessions.
- Four **project validation** sessions in which a brief presentation of content developed by each project group is combined.
- Four **product mentoring**, in which the mentor specialist on the theme of the project will guide and resolve doubts about the product. These sessions aims to guide, evaluate and discuss the preparation of the response to the challenge (the product).
- Four sessions with **cases** that will be used to analyze aspects related to communication within organizations, human resources, the management of large projects and project expenses

- Four **workshops** that contribute to the development of individual skills for teamwork. They are organized based on workshops and the evaluation will be based on the attendance and proactive attitude during it. The workshops focus, among others, on the development of personality-role in a group; on the definition of the product; about decision making; about agile and about lessons learned.
- Finally, a **conference** on project management to bring students closer to the reality of project managers' tasks, from the perspective of an expert professional.

Sustainable Development Goals

9 - Industry, Innovation and Infrastructure

Evaluation and grading system

Evaluation item	Compulsory	Evaluator	Grouping	Weight in the note	Recoverable
Artifacts (project management)	Yes	Teachers	Group	60%	No
Deliverables (product)	Yes	Teacher/Mentors	Group	20%	No
Cases	Yes	Teachers	Group	20%	No
Participation in workshops	No	Teachers	Individual	+5%	No

NOTE 1: Students who assume the role of representative of their team will increase their grade by half a point (0.5). The role should be assigned to the same person on the team for the duration of the subject.

NOTE 2: The qualification of the artifacts and deliverables of the group participation projects will be distributed among the students from the self-evaluation of each group.

NOTE 3: For the MH proposal, workshops and deliveries of individual cases will be taken into account, as well as proactive participation in all sessions.

Eutopia Connected Communities



Subject also offered within the framework of Eutopia Connected Communities