

**1. General information****Course:** PROJECT MANAGEMENT**Type:** ELECTIVE**Degree:** 412 - UNDERGRADUATE DEGREE PROGRAMME IN ELECTRICAL ENGINEERING**Center:** 106 - SCHOOL OF MINING AND INDUSTRIAL ENGINEERING**Year:** 4**Main language:** Spanish**Use of additional languages:****Web site:****Code:** 56354**ECTS credits:** 4.5**Academic year:** 2022-23**Group(s):** 55**Duration:** C2**Second language:****English Friendly:** Y**Bilingual:** N**Lecturer:** DEMETRIO FUENTES FERRERA - Group(s): 55

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2. Pre-Requisites

It is highly recommended to have passed the subject of Projects (taught in the 1st four-month period), as the subject of Project Management is the continuation and essential complement to consolidate competences in a traditional task of the engineer, such as that related to projects and their management.

3. Justification in the curriculum, relation to other subjects and to the profession

Project Management covers a wide range of the competences of the Degree in Electrical Engineering, such as the management of the activities involved in engineering projects, the handling of specifications, regulations and mandatory standards, analysis and assessment of the social and environmental impact of technical solutions, etc. All of them are widely used in the development of professional activities. In addition to its relationship with the subject of Engineering Projects, it is related to practically all the specific subjects, which make use of the contents developed in this subject.

4. Degree competences achieved in this course**Course competences**

Code	Description
CB01	Prove that they have acquired and understood knowledge in a subject area that derives from general secondary education and is appropriate to a level based on advanced course books, and includes updated and cutting-edge aspects of their field of knowledge.
CB02	Apply their knowledge to their job or vocation in a professional manner and show that they have the competences to construct and justify arguments and solve problems within their subject area.
CB03	Be able to gather and process relevant information (usually within their subject area) to give opinions, including reflections on relevant social, scientific or ethical issues.
CB04	Transmit information, ideas, problems and solutions for both specialist and non-specialist audiences.
CB05	Have developed the necessary learning abilities to carry on studying autonomously
CEO21	Ability to design, draw up, manage, direct and control integrated management systems (for deadlines, environment, prevention, safety, etc.). Capacity to analyse and compare different alternatives proposed in awarding and contracting projects. Capacity to summarise all the information from a project management system, and present it and defend it before others.
CG03	Knowledge of basic and technological subjects to facilitate learning of new methods and theories, and provide versatility to adapt to new situations.
CG04	Ability to solve problems with initiative, decision-making, creativity, critical reasoning and to communicate and transmit knowledge, skills and abilities in the field of industrial engineering.
CG05	Knowledge required to carry out measurements, calculations, valuations, appraisals, valuations, surveys, studies, reports, work plans and other similar work.
CT02	Knowledge and application of information and communication technology.
CT03	Ability to communicate correctly in both spoken and written form.

5. Objectives or Learning Outcomes**Course learning outcomes****Description**

Knowledge of the integrated project management approach (deadlines, quality, environment, prevention, etc.) and use of the appropriate tools for project planning and control.

6. Units / Contents**Unit 1: Integrated project management: concept and frame of reference****Unit 2: Deadline control management in the project: control tools.****Unit 3: La gestión de control de costes y recurso del proyecto: herramientas de control.****Unit 4: The project's occupational risk prevention management: control tools.****Unit 5: Environmental management of the project.**

Unit 6: Other management systems.

7. Activities, Units/Modules and Methodology

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Class Attendance (theory) [ON-SITE]	Lectures	CB01 CB02 CB03 CB04 CB05 CEO21 CG03 CG04 CG05 CT02 CT03	0.6	15	N	-	During the face-to-face session, the subject matter will be developed by the teacher with the active participation of the student.
Problem solving and/or case studies [ON-SITE]	Combination of methods	CB01 CB02 CB03 CB04 CB05 CEO21 CG03 CG04 CG05 CT02 CT03	0.4	10	Y	Y	The student, under the guidance of the teacher, will solve in class exercises and practical questions on the topics of the course.
Class Attendance (practical) [ON-SITE]	Practical or hands-on activities	CB01 CB02 CB03 CB04 CB05 CEO21 CG03 CG04 CG05 CT02 CT03	0.6	15	N	-	In the computer classroom, the student will solve problems of the subject with the use of specific programmes of the subject.
Formative Assessment [ON-SITE]	Assessment tests	CB01 CB02 CB03 CB04 CB05 CEO21 CG03 CG04 CG05 CT02 CT03	0.2	5	Y	Y	Final theoretical and practical test on topics covered in the course.
Study and Exam Preparation [OFF-SITE]	Self-study	CB01 CB02 CB03 CB04 CB05 CEO21 CG03 CG04 CG05 CT02 CT03	2.7	67.5	N	-	The student, in an autonomous manner, will carry out a work of synthesis of the topics developed in class.
Total:			4.5	112.5			
Total credits of in-class work: 1.8			Total class time hours: 45				
Total credits of out of class work: 2.7			Total hours of out of class work: 67.5				

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System

Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Final test	20.00%	50.00%	answers to theoretical questions and short problems
Practicum and practical activities reports assessment	50.00%	50.00%	presentation of reports of the practical exercises proposed for resolution
Progress Tests	30.00%	0.00%	multiple-choice tests
Total:	100.00%	100.00%	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

9. Assignments, course calendar and important dates

Not related to the syllabus/contents	
Hours	hours
Class Attendance (theory) [PRESENCIAL][Lectures]	15
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	10
Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities]	15
Formative Assessment [PRESENCIAL][Assessment tests]	5
Study and Exam Preparation [AUTÓNOMA][Self-study]	67.5
Global activity	
Activities	hours
Study and Exam Preparation [AUTÓNOMA][Self-study]	67.5
Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities]	15
Formative Assessment [PRESENCIAL][Assessment tests]	5
Class Attendance (theory) [PRESENCIAL][Lectures]	15
Problem solving and/or case studies [PRESENCIAL][Combination of methods]	10
Total horas: 112.5	

10. Bibliography and Sources

Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
Miguel Angel Sánchez Romero	Cuestiones y problemas resueltos de dirección y gestión de proyectos	UPV		978-84-8363-239-0		
Colmenar Santos, Antonio	Gestión de proyectos con Microsoft Project 2000 /	Ra-Ma,		84-7897-443-1	2001	
Demetrio Fuentes	Apuntes asignatura					Plataforma Moodle

