

COURSE GUIDE

2025/26

Faculty

345 - Faculty of Engineering - Bilbao

Cycle

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Degree

DIPRO13a - Master in Project Management

Year

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COURSE

504888 - Project context

Credits, ECTS: 3

COURSE DESCRIPTION

The aim of this subject is to introduce students to the concepts and terminology used in the discipline of Project Management and the dynamics to be followed in the Master's Degree. It begins by presenting the term project and its nuances and clarifying the concepts used in project management.

Subsequently, the concepts of scope, life cycles, project breakdown structure, project team and parties involved are introduced.

The course is developed on the basis of reading basic documentation (mainly PMBoK), the presentation of the concepts by the teaching staff, and working on them through individual work and team work, both tutored by the teaching staff.

COMPETENCIES/LEARNING RESULTS FOR THE SUBJECT

COMPETENCIAS DE LA ASIGNATURA

Apply the knowledge of the processes and tools that define the theoretical foundations of the different areas of technical knowledge of the discipline of project management

Develop project proposals using the processes and tools that define the theoretical foundations of the different areas of technical knowledge of the project management discipline

To develop the organizational and management capacity for an efficient project management, using the theoretical and technical tools of the project discipline.

RESULTADOS DE APRENDIZAJE DE LA ASIGNATURA

The student who successfully completes this subject should be able to:

- Understand the basic concepts of projects and project management: scope, time management, organisation, stakeholders.
- Design a basic project plan for the development of specific product or service.
- Find recent scientific papers in the important journals of the sector.
- Analyse the content of the scientific papers contributing with own knowledge.

Theoretical and Practical Contents

Introduction to Project Management. Basic concepts.

Project life cycle.

Objectives and scope. Success and failure factors in projects, risks.

Stakeholders. The project within an organization

Project teams and their members. Project teams within organizations. The program and the Project Management Office (PMO).

METODOLOGIA (ACTIVIDADES FORMATIVAS)

Actividad Formativa	Hours	Porcentaje presencialidad
Exercises	20	10 %
Groupwork	25	10 %
Expositive classes	30	33 %

TYPES OF TEACHING

Types of teaching	M	S	GA	GL	GO	GCL	TA	TI	GCA
Hours of face-to-face teaching	10	10	10						
Horas de Actividad No Presencial del Alumno/a	10	15	20						

Legend: M: Lecture-based

S: Seminar

GA: Applied classroom-based groups

GL: Applied laboratory-based groups

GO: Applied computer-based groups

GCL: Applied clinical-based groups

TA: Workshop

TI: Industrial workshop

GCA: Applied fieldwork groups

Evaluation tools and percentages of final mark

Denominación	Ponderación mínima	Ponderación máxima
Attendance and participation	10 %	30 %
Written examination	20 %	30 %



Practical tasks	0 %	40 %
Writing up the teamwork	30 %	60 %

ORDINARY EXAMINATION PERIOD: GUIDELINES AND OPTING OUT

The assessment of the subject is carried out continuously throughout the course.

The following factors are taken into account in the grading of the course:

Attendance (10%): Although attendance is not compulsory, it is highly recommended due to the contents developed in the classroom. For this reason, attendance forms part of the calculation of the final grade.

Individual assignments (25%): Students must hand in an assignment designated at the beginning of the course. The work will be handed in by uploading it to egela within the defined deadlines. In order to pass the course, the work must have obtained a grade higher than 5 out of 10.

Team work (40%): At the beginning of the course, students will be assigned to work teams of between 3 and 6 people. Teamwork in this class is considered very relevant and therefore has a significant importance in the evaluation of students. Each team will have to hand in a designated piece of work at the beginning of the course. The work will be handed in by uploading it to egela on the defined deadlines. If the timetable allows it, the work will also be defended orally. In order to pass the course, the work must have obtained a grade higher than 5 out of 10.

Exam (25%): As in the certification exams of the professional associations of project management, the exam will be in the form of a multiple-choice test. In order to pass the course, the work must have obtained a grade of more than 4 out of 10. The grade for the course will be obtained by applying the corresponding weight to each of the factors (attendance, individual work, team work, exam).

If any of the work (individual or team work) has not passed the established cut-off mark, the final mark for the course will be No Show.

If the exam mark is lower than 4.0, the final mark for the course will be that corresponding to the exam mark.

If the student decides to waive the Continuous Assessment of this subject, he/she must communicate it in writing before the deadline for the submission of the individual work. This date can be found in the Student Guide available on the eGela platform.

In this case, in order to pass the course, the student will be assessed by means of a written exam that may contain additional questions to those posed in the exam to which students who are assessed on a continuous basis are submitted and which will include all the contents studied throughout the four-month period corresponding to the exam. This assessment will be completed with an oral exam which will take place on the same day as the written exam, by prior appointment for students registered for this exam. In the oral exam, students will be asked about the contents studied in the classroom, as well as about the activities carried out during the corresponding four-month period. In order to pass the course, students must pass both tests.

In the event that health conditions prevent the completion of a teaching activity and/or face-to-face assessment, a non-face-to-face modality will be activated, of which students will be promptly informed (applicable to all exams: ordinary, extraordinary and advance).

EXTRAORDINARY EXAMINATION PERIOD: GUIDELINES AND OPTING OUT

Those who have to sit the extraordinary call will do so in the same way as they did in the ordinary call. In other words, those who took the continuous assessment will complete the tests (individual work, team work, exam) that they did not pass in the ordinary call.

The grade for the course will be obtained by applying the corresponding weight to each of the factors (attendance, individual work, team work, exam).

If any of the work (individual or team work) has not passed the established cut-off mark, the final mark for the course will be No Show.

If the exam mark is lower than 4.0, the final mark for the course will be that corresponding to the exam mark.

Those who waive the continuous assessment, will be submitted to a written and oral exam as described in the previous section (Ordinary call: orientations and waiver).

MANDATORY MATERIALS

The course is managed through the egela platform. Here the student will find the transparencies used in class and other help materials. The statements of individual and team assignments will also be found there, and the places where to upload them.

BIBLIOGRAPHY

Basic bibliography

- H. Kerzner, "Project Management. A Systems Approach to Planning Scheduling and Controlling", Wiley, 2009
- PMI, "A guide to the Project Management Body of Knowledge (PMBok) 6th edition", 2017
- PMI, "A guide to the Project Management Body of Knowledge (PMBok) 7th edition", 2021
- International Project Management Association, IPMA Competence Baseline. International Project Management Association, 2016.
- National Aeronautics and Space Administration (NASA) "NASA Work Breakdown Structure (WBS) Handbook", 2010
- Open project management methodology "Project charter template". European Commission Open PM2.

Detailed bibliography

- International Project Management Association, IPMA Competence Baseline. International Project Management Association, 2016.

Journals

International Journal of Project Management.
Project Management Journal.

Web sites of interest

- www.pmi.org (2021)
- www.ipma.ch (2021)