

COURSE GUIDE

2025/26

Faculty 345 - Faculty of Engineering - Bilbao

Degree DIPRO13a - Master in Project Management

Cycle .

Year .

COURSE

504889 - Project Management standards and trends

Credits, ECTS: 3

COURSE DESCRIPTION

The objective of this course is to transmit to the students the standards that govern the discipline of Project Management. First, the motivation and the need for the existence of international standards governing Project Management and the main standardization bodies are presented. Subsequently, students are introduced to the different standards that currently exist (ICB, OCB, PMBoK, etc.) and the main differences between them are highlighted, so that they are aware of the potential of each of them. Together with the standards, the professional certification options available to them when carrying out their professional activity as Project Managers are presented. In this way, the aim is to deepen in the competences of a Project Manager in its professional and scientific aspects. Finally, maturity in Project Management is defined and the models that govern it are presented. Likewise, the new trends in the discipline of Project Management are presented.

COMPETENCIES/LEARNING RESULTS FOR THE SUBJECT

COMPETENCIAS DE LA ASIGNATURA

Differentiate the project application environment, both at the level of regulations and standardization and at the business level.

RESULTADOS DE APRENDIZAJE DE LA ASIGNATURA

- The student who successfully completes this subject should be able to:
- List and describe the main characteristics of the main Project Management standards.
 - Interpret the differences between current standards
 - Assess an organization's Project Management maturity level

Theoretical and Practical Contents

Historical evaluation of standards. Main standardization organizations. (PMI, IPMA, ISO). Project Management Standards Certification process.

Project Management Maturity Models. Maturity assessment questionnaires.

Introduction to professional and academic Project Management trends.

METODOLOGIA (ACTIVIDADES FORMATIVAS)

Actividad Formativa	Hours	Porcentaje presencialidad
Text analysis	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 %
Presentations	0 %	50 %
Practical tasks	0 %	50 %
Writing up the teamwork	0 %	50 %



ORDINARY EXAMINATION PERIOD: GUIDELINES AND OPTING OUT

The evaluation 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. Therefore, attendance is part of the calculation of the final grade.

Individual work (30%): Students must submit a work designated at the beginning of the course. The work will be delivered 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 (35%): At the beginning of the course, students will be assigned to work teams of 3 to 6 people. Each team will have to deliver a work designated at the beginning of the course. The work will be delivered by uploading it to egela within the defined deadlines. If the schedule 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 associations of project management professionals, the exam will be in the form of a test with several answer options. In order to pass the course, the work must have obtained a grade higher than 4 out of 10.

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

If any of the work (individual or team work) has not passed the established cut-off mark, the final grade for the course will be Not Shown.

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

If the student decides to waive the Continuous Evaluation of this course, he/she must communicate it in writing before the deadline for the presentation of the individual work. This date can be found in the Student Guide handed out in class and available in the eGela platform.

In this case, in order to pass the course, the student will be evaluated through a written exam that may contain additional questions to those posed in the exam to which continuously evaluated students are submitted and that will include all the contents studied throughout the four-month period corresponding to the exam. This evaluation will be completed with an oral exam that will take place on the same day of the written exam, prior appointment to the students enrolled in that call.

In the oral exam the 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. The student, in order to pass the course, must pass both tests.

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

EXTRAORDINARY EXAMINATION PERIOD: GUIDELINES AND OPTING OUT

Those who must submit to the extraordinary call will do so in the same way in which they presented themselves in the ordinary call. That is to say, those who underwent the continuous evaluation will complete the parts (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 grade for the course will be Not Shown.

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

Those who waived the continuous evaluation, will be submitted to a written and oral exam as described in the previous section (see ordinary call: orientations and waiver).

MANDATORY MATERIALS

Kerzner, H.; Project Management: A systems approach to planning, scheduling and controlling. Ed. John Wiley, 2003. Project Management Institute A Guide to the Project Management Book of Knowledge, Project Management Institute. 2017.

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

ISO 21500:2012 Guidance on project management, ISO



BIBLIOGRAPHY

Basic bibliography

Kerzner, H.; Project Management: A systems approach to planning, scheduling and controlling. Ed. John Wiley, 2003.
Project Management Institute A Guide to the Project Management Book of Knowledge, Project Management Institute. 2017.

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

ISO 21500:2012 Guidance on project management, ISO

Detailed bibliography

AXELOS. (2015) PRINCE2 Agile ® First Edition, TSO

Journals

International Journal of Project Management
Project Management Journal

Web sites of interest

<http://www.ipma.world/>

<https://www.pmi.org/>

<http://www.aec.es/web/guest/centro%20de%20conocimiento/norma%20iso%2021500>

<https://www.prince2.com/eur>