Universidad del País Vasco — Euskal Herriko Unibertsitatea

**COURSE GUIDE** 2025/26

**Faculty** 345 - Faculty of Engineering - Bilbao **Cycle** .

**Degree** DIPRO13a - Master in Project Management **Year** .

## COURSE

504908 - Research in Project Management **Credits, ECTS:** 3

## COURSE DESCRIPTION

The objective of this course is to provide students with the concepts and methodologies used in research in the field of Project Management.
In this way, the student will know the most common foundations and methodologies of research so that, if it were of interest, he or she could develop a doctoral thesis in the future.
It is necessary to introduce this subject into the curriculum of the master's degree since students have technical studies (usually engineering) and professional experience in the sector, but do not have knowledge related to scientific and research activity.

## COMPETENCIES/LEARNING RESULTS FOR THE SUBJECT

### COMPETENCIAS DE LA ASIGNATURA

To apply and develop the methodologies, technologies and tools used in research in the discipline of project management.

### RESULTADOS DE APRENDIZAJE DE LA ASIGNATURA

The student who successfully completes this subject should be able to:
- Identify, analyze, evaluate, design and elaborate research works in Project Management field.
- Publish research papers in Project Management field.

## Theoretical and Practical Contents

Definition of research and its objectives. The research career and the research framework Financing.
Idiosyncrasy of the discipline. Main lines of research.
Description of the research methodologies used.
Research results: scientific articles, patents, etc. Databases and impact indices.

## METODOLOGIA (ACTIVIDADES FORMATIVAS)

| Actividad Formativa | Hours | Porcentaje presencialidad |
|---|---|---|
| Groupwork | 20 | 10 % |
| Exercises | 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 | | 20 | | 15 | | | | |

**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 | 0 % | 30 % |
| Written examination (theory) | 0 % | 25 % |
| Presentations | 0 % | 35 % |
| Practical tasks | 30 % | 100 % |

## ORDINARY EXAMINATION PERIOD: GUIDELINES AND OPTING OUT

The following factors are taken into account in the grading of the course:
Attendance (15%): 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 works (85%): Students must hand in an original research paper at the end 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 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).
If the individual work has not passed the established cut-off mark, the final mark for the course will be No Show.
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

The final mark for the course will be that corresponding to the individual work mark.

## 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

Kerzner, H.; Project Management: A systems approach to planning, scheduling and controlling. Ed. John Wiley, 2006.
M. Saunders, P. Lewis, A. Thornhill, Research methods for business students 7th edition, Edit. Pearson, ISBN: 978-1292016627, 2016

### Detailed bibliography

J. Rodney Turner, Frank Anbari, Christophe Bredillet, ¿Perspectives on research in project management: the nine schools¿, International Network on Business Management, 2013

Mark Winter, et. Al, ¿Directions of future research in project management: the main findings of a UK government-funded research network¿, International Journal of Project Management, vol. 24, pp. 638-649, 2006

Jonas Söderlund, ¿Building theories of project management: past research, questions for the future¿, International Journal of Project Management, vol. 22, pp. 183-191, 2004
P.M. Shields, N. Rangarajan, ¿A Playbook for Research Methods. Integrating Conceptual Frameworks and Project Management¿. Edit. New Forums Scholarly Writing Series, 2013

### Journals

International Journal of Project Management
Project Management Journal

### Web sites of interest

https://www.pmi.org/ (2021)
http://www.ipma.world/ (2021)