

<b>Centre</b>	<b>University College of Engineering of Vitoria-Gasteiz</b>
<b>Name of subject</b>	<b>25987 – Project Management</b>
<b>Qualification</b>	<b>Degree in Industrial Electronic Engineering and Automatics</b>
<b>Type</b>	<b>Compulsory</b>
<b>Credits</b>	<b>6 ECTS</b>
<b>Year</b>	<b>4</b>
<b>Term(s)</b>	<b>1st</b>
<b>Department</b>	<b>Graphic Expression and Projects in Engineering</b>
<b>Language</b>	<b>Spanish and Basque</b>

## Outcomes / Objectives

The subject Project Management aims to ensure that at the end of the teaching/learning process students are able to:

- Use the knowledge acquired in the different subjects, in particular those in their speciality area, for the study and development of projects. C1 C2
- Study the technical and socioeconomic viability of the submitted project. C2
- Develop and complete in an orderly sequence the various documents of an Integrated Project, in accordance with the current legislation. C4
- Assimilate and understand the philosophy. "Project Management ". C11
- Set up and start a project office (PMO). C11
- Assess the sustainability of the submitted project. C7
- Practice their occupation in the free exercise of the profession. C5
- Plan, manage and direct projects in their profession. C5,C9
- Prepare quotations and the necessary technical specifications of a project. C5
- Take into account recommendations on competencies (PMI, IPMA, ICB). C9

## Syllabus

### Methodology Block

- Unit 1: Introduction to project management
- Unit 2: Project Life Cycle and Organisation (PMBOK®)
- Unit 3: PM Processes for a Project (PMBOK®)
- Unit 4: PRIOR STUDIES. Project viability

### Organisation Block

- Unit 5: Organisational structures for project management
- Unit 6: Project information and knowledge management
- Unit 7: Project Follow-Up, Control and Closure

### Time Management Block

- Unit 8: Project Time Management Processes
- Unit 9: Project Time Planning Techniques
- Unit 10: MINIMUM COST PLANNING (MCE)

# Methodology

---

## Teaching Method

Face-to-Face Teaching Hours									
Lectures	Seminars	Classroom practice	Lab. practice	Computer sessions	Clinical practice	Workshops	Industrial workshops	Field practice	
30				30					
Student Hours of Non Face-To-Face Activities									
Lectures	Seminars	Classroom practice	Lab. practice	Computer sessions	Clinical practice	Workshops	Industrial workshops	Field practice	
68				22					

## Assessment System

---

- Written essay exam
- Multiple choice test
- Oral exam
- Practical tasks (exercises, case studies or problems)
- Individual assignments
- Group assignments
- Presentation of assignments, reading...

## Compulsory materials

---

Internal subject documentation placed in the UPV/EHU Moodle (e-learning) teaching support platform and on the subject website: <http://www.ehu.es/asignaturasKO>

## Bibliography

---

### Basic Bibliography

- Guía de los Fundamentos de la Dirección de Proyectos (PMBOK 4º edition), 2010
- Bases para la competencia en Dirección de proyectos ICB 3.0 (IPMA)
- web site: <http://www.ehu.es/asignaturasKO/PM/7bibliografia.htm>

### In-depth Bibliography

- La oficina técnica y los proyectos industriales, AEIPRO
- Curso de Gestión de Proyectos, J.L. Cano, ed. AEIPRO, 2003
- Bases para la competencia en dirección de Proyectos (NCB), AEIPRO, IPMA, 2006
- Técnicas de programación y control de proyectos. ed. piramide,(6º edición) 1997, Romero Lopez

## Magazines

- International Journal of project management (access from the UPV/EHU library)
- PM today
- PM Network
- Project (APM)
- PM world today

## Websites

- AEIPRO: <http://www.aeipro.com/>
- IPMA: <http://www.ipma.ch/>
- PMI: <http://www.pmi.org/info/default.asp>
- APM: <http://www.apm.org.uk/>