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

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/>