

Centre	University College of Engineering of Vitoria-Gasteiz
Name of subject	26033 – Advanced Project Management
Qualification	Degree in Computer Management and Information Systems Engineering
Type	Elective
Credits	6 ECTS
Year	4
Term(s)	2nd
Department	Graphic Expression and Engineering Projects
Language	Spanish

Outcomes / Objectives

Direct, plan, write, manage and develop designs, projects and processes in the field of Industrial Electrical Engineering using the cooperative learning technique.

Syllabus

Projects. Integrated project management. Definition of Project. Types of projects, origin and objectives, design specifications. Project management. Types of projects: basic engineering. Development of hot water installations, lightning protection systems, parking garage ventilation systems, emergency lighting, lighting study, architectural drawings, domotics and immotics, one-line diagrams, climate control, solar photovoltaic power networks, etc. Project management areas. The project manager and areas of competence. Project integration management. Project plan. Project scope management. Scope. Project scope modifications. Project timeline management. Activity schedule. Project cost management. Resource and cost plan. Project quality management. Quality control plan. Project human resources management. Organisation planning. Team development. Project communications management. Communications planning. Implementation completion reports. Project risk management. Risk analysis and administration. Project procurement management. Procurement planning. Selection of suppliers. Contracts.

Methodology

Teaching Method

Face-to-Face Teaching Hours

Lectures	Seminars	Classroom practice	Lab. practice	Computer sessions	Clinical practice	Workshops	Industrial workshops	Field practice
15				45				

Student Hours of Non Face-To-Face Activities

Lectures	Seminars	Classroom practice	Lab. practice	Computer sessions	Clinical practice	Workshops	Industrial workshops	Field practice
22				68				

Compulsory materials

- Internal course documentation uploaded to the UPV/EHU teaching support (e-learning) platform - REBT, MITYC.ES, 2002-
Código Técnico de la Edificación (CTE), MVIV.ES, 2007

Bibliography

Basic Bibliography

- Teoría general del proyecto, de Cos Castillo, volumen I y II - Guía de los Fundamentos de la Dirección de Proyectos (PMBOK 3º edition), 2008

In-depth Bibliography

- Teoría general del proyecto, de Cos Castillo, volumen I y II - Guía de los Fundamentos de la Dirección de Proyectos (PMBOK 3º edition), 2008

Magazines

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

Websites

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