

## BASIC DETAILS:

<b>Subject:</b>	GESTIÓN DE PROYECTOS		
<b>Id.:</b>	30079		
<b>Programme:</b>	GRADUADO EN INGENIERÍA INFORMÁTICA. PLAN 2008 (BOE 15/12/2008)		
<b>Module:</b>	INGENIERIA DEL SOFTWARE		
<b>Subject type:</b>	OBLIGATORIA		
<b>Year:</b>	4	<b>Teaching period:</b>	Primer Cuatrimestre
<b>Credits:</b>	6	<b>Total hours:</b>	150
<b>Classroom activities:</b>	59	<b>Individual study:</b>	91
<b>Main teaching language:</b>	Inglés	<b>Secondary teaching language:</b>	Castellano
<b>Lecturer:</b>	E S T E R U E L A S HERNANDEZ, EVA ISABEL (T)	<b>Email:</b>	eiesteruelas@usj.es

## PRESENTATION:

A project is a temporary endeavor undertaken to create a unique product, service, or result. The frequency of the use of this mechanism, specially in the field of IT and communications, have become to the creation of a discipline called Project Management and the knowledge of this discipline is basic for future IT professionals.

Project Management brings a unique focus shaped by the goals, resources and schedule of each project, the value of that focus is proved by the rapid, worldwide growth of project Management as a recognized and strategic organizational competence, as a subject for training and education and as a career path.

For the development of the subject we will use PMBOK - Project Management Body of knowledge built by the Project Management Institute (PMI), an organization dedicated to collect documentation and learning techniques of project management.

## PROFESSIONAL COMPETENCES ACQUIRED IN THE SUBJECT:

<b>General programme competences</b>	G03	Capacity to work in multidisciplinary teams to achieve common objectives, placing group interests before personal ones.
	G06	Capacity to analyse and find a solution to complex problems or unforeseen situations which may arise while working in any type of socio-economic organisation.
	G07	Capacity to work flexibly and with versatility to adapt to the needs and requirements of the work situation.
	G08	Ability to communicate effectively about different matters in a variety of professional situations and with the different media available.
	G10	Critical and analytical capacity when assessing information, data and courses of action.
<b>Specific programme competences</b>	E05	Capacity to assess the economic and business features of engineering activities.
	E06	Capacity to apply quality assurance processes to processes and products.
	E07	Capacity to work effectively in project teams, where appropriate assuming executive responsibilities, and consider the human, technological and financial sides.
	E25	Capacity to analyse viability, design development plans, estimate resources, run and oversee the execution of software-intensive engineering projects.
<b>Learning outcomes</b>	R01	Know the basics about business organisation and the importance of processes therein.
	R02	Use TI tools efficiently.
	R03	Work in a team to achieve some set objectives.
	R04	Communicate professionally correctly.
	R05	Know the techniques which allow processes to be improved in TI development, acquisition and services situations.
	R06	Define indicators and metrics which allow for continuous improvement in negotiation and TI processes.
	R07	Identify, analyse and design an organisation's negotiation processes.
	R08	Know and apply the main process frameworks applicable to the TIs.

**PRE-REQUISITES:**

Good level of English is required

**SUBJECT PROGRAMME:**

**Subject contents:**

<b>1 - Project Management Fundamentals</b>
1.1 - Foundational Elements
1.2 - Environments in which projects operate
1.3 - The role of Project Manager
<b>2 - The Standard for Project Management of a Project</b>
2.1 - •Project Management Processes for a Project.
2.2 - •The Project Management Knowledge Areas.
<b>3 - The Project Management Process Groups.</b>
3.1 - •Initiating Process Group.
3.2 - •Planning Process Group
3.3 - •Executing Process Group
3.4 - •Monitoring and Control Process Group
3.5 - •Closing Process Group.
<b>4 - Project Management Knowledge Areas.</b>
4.1 - •Introduction
4.2 - •Project Integration Management
4.3 - •Project Scope Management
4.4 - •Project time Management.
4.5 - •Project Cost Management
4.6 - •Project quality Management
4.7 - •Project Human Resource Management
4.8 - •Project Communications Management
4.9 - •Project Risk Management
4.10 - •Project Procurement Management
4.11 - Project Stakeholder Management

Subject planning could be modified due unforeseen circumstances (group performance, availability of resources, changes to academic calendar etc.) and should not, therefore, be considered to be definitive.

**TEACHING AND LEARNING METHODOLOGIES AND ACTIVITIES:**

**Teaching and learning methodologies and activities applied:**

This course will use the following methodologies in order to give the students the best opportunity to develop their competences: lectures, practical cases, exercises and coursework presentations. Participation in class will be accounted in the final score. All readings, practices and works will be announced using the Online University Platform (pdu.usj.es).

The online classes will take place one day per week, so in total 28 hours. During the classes, there will be an explanation of concepts, and resolution of practical exercises. It will be required to identify the assistance and the participation during the discussions and exercises resolution.

**Student work load:**

Teaching mode	Teaching methods	Estimated
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		hours
<b>Classroom activities</b>	Master classes	24
	Other theory activities	4
	Practical exercises	17
	Practical work, exercises, problem-solving etc.	6
	Coursework presentations	4
	Assessment activities	4
<b>Individual study</b>	Individual study	28
	Individual coursework preparation	7
	Group coursework preparation	5
	Project work	34
	Research work	4
	Recommended reading	2
	Other individual study activities	11
	<b>Total hours:</b>	<b>150</b>

### ASSESSMENT SCHEME:

#### Calculation of final mark:

Written tests:	40 %
Individual coursework:	20 %
Group coursework:	30 %
Assistance and participation:	10 %
<b>TOTAL</b>	<b>100 %</b>

\*Las observaciones específicas sobre el sistema de evaluación serán comunicadas por escrito a los alumnos al inicio de la materia.

### BIBLIOGRAPHY AND DOCUMENTATION:

#### Basic bibliography:

"A Guide to the Project Management Body of Knowledge (PMBOK® Guide)", Sixth Edition. Project Management Institute

#### Recommended bibliography:

Agile practice guide, Author: Project Management Institute

#### Recommended websites:

Sitio web del Project Management Institute. <http://www.pmi.org>