

[GIK202] PROJECT MANAGEMENT

GENERAL INFORMATION

Studies	DEGREE IN COMPUTER ENGINEERING		Subject	GENERAL PRINCIPLES
Semester	1	Course	3	Mention / Field of specialisation
Character	COMPULSORY		Language	ENGLISH
Plan	2017	Modality	Adapted Face-to-face	Total hours
Credits	4,5	Hours/week	3.75	67.5 class hours + 45 non-class hours = 112.5 total hours

PROFESSORS

DE LA TORRE PARDOS, JUAN

REQUIRED PREVIOUS KNOWLEDGE

Subjects	Knowledge
(No specific previous subjects required)	(No previous knowledge required)

SKILLS

VERIFICA SKILLS

SPECIFIC

GICE03 - To be able to plan, conceive, develop and manage computer systems, services and projects in all contexts, directing their implementation and continuous improvement and assessing their social and economic impact.

GENERAL

GIGC02 - To be able to manage activities, subject of the projects in the field of computer technologies

GIGC07 - To have the knowledge, understanding and ability to apply the laws pertaining to Computer Technology Engineering and manage specifications, standards and regulations of mandatory compliance.

GIGC10 - To know how to perform measurements, calculations, valuations, estimates, inspections, studies, reports, task planning schemes and other analogous related activities

GIGC12 - To understand and apply the fundamentals of economics and human resource management, project planning and organisation, legal and regulatory frameworks and standardisation in computer technology projects

BASIC

G_CB3 - To be capable of gathering and interpreting relevant data (normally within their field of study) in order to make judgements, reflecting on relevant matters of a social, scientific or ethical nature

G_CB5 - To have developed learning abilities required to embark on subsequent studies with a high level of autonomy.

LEARNING RESULTS

RG301 Assumes responsibilities in the work team, organizing and planning the tasks to be developed, facing the contingencies and encouraging the participation of its members.

LEARNING ACTIVITIES

	CH	NCH	TH
Development, writing and presentation of memorandums, reports, audiovisual material, etc. Relating to projects/POPBLs carried out individually or in teams	2 h.	2 h.	4 h.

EVALUATION SYSTEM

	W
Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence	100%

Comments: Continuous assessment.

MAKE-UP MECHANISMS

(No mechanisms)

CH - Class hours: 2 h.

NCH - Non-class hours: 2 h.

TH - Total hours: 4 h.

RG302 Analyze the intervening variables in the problem and propose actions for a stable situation.

LEARNING ACTIVITIES

	CH	NCH	TH
Development, writing and presentation of memorandums, reports, audiovisual material, etc. Relating to projects/POPBLs carried out individually or in teams	2 h.	1 h.	3 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence

100%

(No mechanisms)

Comments: Continuous assessment.

CH - Class hours: 2 h.

NCH - Non-class hours: 1 h.

TH - Total hours: 3 h.

RG194 [!] *Análisis de los impactos de los ODS en el proyecto realizado*

LEARNING ACTIVITIES

CH

NCH

TH

Development, writing and presentation of memorandums, reports, audiovisual material, etc. Relating to projects/POPBLs carried out individually or in teams

2 h.

1 h.

3 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence

100%

(No mechanisms)

Comments: Continuous assessment.

CH - Class hours: 2 h.

NCH - Non-class hours: 1 h.

TH - Total hours: 3 h.

RG304 Define the problem, develop the solution and present the conclusions in a efficient manner, arguing and justifying each one of them in writing.

LEARNING ACTIVITIES

CH

NCH

TH

Development, writing and presentation of memorandums, reports, audiovisual material, etc. Relating to projects/POPBLs carried out individually or in teams

3 h.

1 h.

4 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence

100%

(No mechanisms)

Comments: Continuous assessment. It may be asked to redo the document.

CH - Class hours: 3 h.

NCH - Non-class hours: 1 h.

TH - Total hours: 4 h.

RG305 Define the problem, develop the solution and present the conclusions in a efficient manner, arguing and justifying each one of them in spoken form.

LEARNING ACTIVITIES

CH

NCH

TH

Development, writing and presentation of memorandums, reports, audiovisual material, etc. Relating to projects/POPBLs carried out individually or in teams

2 h.

2 h.

4 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence

100%

(No mechanisms)

Comments: Continuous assessment.

CH - Class hours: 2 h.

NCH - Non-class hours: 2 h.

TH - Total hours: 4 h.

RG1306 Know and list the phases according to the classic project management. Learn about associated techniques and tools and know when to use them, especially at the time, cost and specifications.

LEARNING ACTIVITIES

	<i>CH</i>	<i>NCH</i>	<i>TH</i>
Individual study and work, tests and evaluations and check points	2 h.		2 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	10 h.	2 h.	12 h.
Individual and team exercises	11 h.	2 h.	13 h.

EVALUATION SYSTEM

W

Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	70%
Written, coding/programming and individual oral tests for the evaluation of technical skills in the field	30%

Comments: Minimum grade: 5

MAKE-UP MECHANISMS

Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices
 Written, coding/programming and individual oral tests for the evaluation of technical skills in the field
Comments: Students with less than 5 in the Control point must retake the exam. Control point value will be 25% and retake 75%.

CH - Class hours: 23 h.

NCH - Non-class hours: 4 h.

TH - Total hours: 27 h.

RG1307 Identify and define the roles, meetings and indicators necessary for the efficient management of projects according to the agile scrum methodology. Design the monitoring panel so that you can clearly visualize the real situation of the project.

LEARNING ACTIVITIES

	<i>CH</i>	<i>NCH</i>	<i>TH</i>
Individual study and work, tests and evaluations and check points	2 h.	2 h.	4 h.
Personal study and flexible development of concepts and subjects using active dynamics to promote more meaningful learning	14,5 h.	5 h.	19,5 h.

EVALUATION SYSTEM

W

Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	70%
Written, coding/programming and individual oral tests for the evaluation of technical skills in the field	30%

Comments: Minimum grade: 5

MAKE-UP MECHANISMS

Written, coding/programming and individual oral tests for the evaluation of technical skills in the field
Comments: Students with less than 5 in the Control point must retake the exam. Control point value will be 25% and retake 75%.

CH - Class hours: 16,5 h.

NCH - Non-class hours: 7 h.

TH - Total hours: 23,5 h.

RG1308 Know the basic problem of new product releases and identify the appropriate modes of action for proper planning and management

LEARNING ACTIVITIES

	<i>CH</i>	<i>NCH</i>	<i>TH</i>
Individual study and work, tests and evaluations and check points	2 h.		2 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	3 h.		3 h.
Individual and team exercises	3 h.		3 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	70%	Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices
Written, coding/programming and individual oral tests for the evaluation of technical skills in the field	30%	Written, coding/programming and individual oral tests for the evaluation of technical skills in the field
Comments: Minimum grade: 5		Comments: Students with less than 5 in the Control point must retake the exam. Control point value will be 25% and retake 75%.

CH - Class hours: 8 h.
NCH - Non-class hours: 0 h.
TH - Total hours: 8 h.

RG1309 Know the problem of multi-project environments, as well as being able to provide solutions from an organizational point of view

LEARNING ACTIVITIES	CH	NCH	TH
Development, writing and presentation of memorandums, reports, audiovisual material, etc. Relating to projects/POPBLs carried out individually or in teams		8 h.	8 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence	100%	(No mechanisms)
		Comments: Project: There will not be any retake of the individual defense.

CH - Class hours: 0 h.
NCH - Non-class hours: 8 h.
TH - Total hours: 8 h.

RG1310 Apply the concepts and tools of project management to a practical environment

LEARNING ACTIVITIES	CH	NCH	TH
Development, writing and presentation of memorandums, reports, audiovisual material, etc. Relating to projects/POPBLs carried out individually or in teams	4 h.	15 h.	19 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	2 h.	2 h.	4 h.
Individual and team exercises	3 h.	2 h.	5 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	33%	(No mechanisms)
Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence	67%	Comments: Project: There will not be any retake of the individual defense.

CH - Class hours: 9 h.
NCH - Non-class hours: 19 h.
TH - Total hours: 28 h.

CONTENTS

1. Traditional Project Management - Classic Methodology
 - 1.1. ¿What is a project?
 - 1.2. Project Management importance and project phases management
 - 1.2.1. Definition

- 1.2.3. Plan
- 1.2.4. Execution
- 1.2.5. Monitoring and control
- 1.2.6. Closing
- 2. Agile Project Management
 - 2.1. SRUM Methodology
 - 2.2. KANBAN Methodology

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Subject notes	http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_Ink.pl?grupo=INFORMATICA31&ejecuta=30&
Technical articles	
Moodle Platform	
Topic related web quires	