SUBJECT TEACHING GUIDE

G669 - Management of Software Projects

Degree in Computer Systems Engineering

Academic year 2020-2021

1. IDENTIFYING DATA					
Degree	Degree in Computer Systems Engineering			Type and Year	Optional. Year 4
Faculty	Faculty of Sciences				
Discipline	Subject Area: Software Engineering Mention in Software Engineering				
Course unit title and code	G669 - Management of Software Projects				
Number of ECTS credits allocated	6	Term		Semester based (2)	
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. INGENIERÍA INFORMÁTICA Y ELECTRÓNICA
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3.1 LEARNING OUTCOMES
- Apply the main techniques and standards to plan software projects.
- Using methods and techniques for the management, control and monitoring of a software development project.
- Knowing how to estimate size, effort and cost of a software project.
- Perform proper planning, analysis and control of risks in a software development project and risks in an information system in operation.

4. OBJECTIVES

Knowing how to plan and manage software projects.
Knowing how to carry out estimations of size, effort and costs in software projects.
Knowing how to identify and manage risks in software projects.
Be capable of planning and monitoring a project through a software tool.

6. COURSE ORGANIZATION

	CONTENTS
1	PROJECT MANAGEMENT FUNDAMENTALS. - Project Management Body of Knowledge (PMBOK). - Basic concepts. Process Groups. Work areas. Interactions between processes.
2	PROJECT INTEGRATION MANAGEMENT. - Starting a project. Project charter. - Project management plan. - Direct and manage project execution. - Monitor and control project work and changes. - Close project.
3	PROJECT SCOPE MANAGEMENT. - Define scope. - Create WBS. - Verify and control scope.
4	PROJECT TIME MANAGEMENT. - Define, sequence and estimate (resources and durations) activities. - Develop schedule: PERT and CPMCD methods.
5	PROJECT COST MANAGEMENT. - Estimate costs and determine budget. - Control costs. EVM.
6	PROJECT RISK MANAGEMENT. - Plan risk management. - Identify risk, perform qualitative and quantitative analysis and plan risk responses. - Monitor and control risks.

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Continuous evaluation	Work	No	Yes	100,00
TOTAL				100,00

Observations

Observations for part-time students

Part-time students can achieve all the theoretical and practical activities by distance working. In this way, they can establish their working hours according to their profesional and personal constraints.

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
Guía PMBOK (Project Management Body of Knowledge) 6º edición. Project Management Institute (PMI), 2017