SUBJECT TEACHING GUIDE

891 - Management of Information and Communication Technology Projects

Master's Degree in Business and Information Technologies

Academic year 2023-2024

1. IDENTIFYING DATA				
Degree	Master's Degree in Business and Information Technologies		Type and Year	Compulsory. Year 1
Faculty	Faculty of Economics and Business Studies			
Discipline	Obligatory Subjects			
Course unit title and code	891 - Management of Information and Communication Technology Projects			
Number of ECTS credits allocated	4	Term	Semester based (2)	
Web	http://moodle.unican.es/moodle2/course/view.php?id=316			
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. ADMINISTRACION DE EMPRESAS
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Other lecturers	

3.1 LEARNING OUTCOMES
- Know how to plan and track projects, define the scope, set the task structure and the estimation of effort, resources, time and cost on projects.
- Know how to manage quality on ICT projects.
- Be able to identify and manage risks associated with the development of ICT projects.
- Know the main methodologies of project management and how to use software tools for managing ICT projects.

4. OBJECTIVES
Know the basic principles of project management.
Plan and track projects, define the scope, set the task structure and the estimation of the effort, resources, time and costs of project.
Manage quality in ICT projects.
Make an appropriate management of risks associated with the development of ICT projects.
Know the methodologies and tools for managing ICT projects.

6. COURSE ORGANIZATION	
CONTENTS	
1	Unit 1. Principles of project management: 1.1 Basic concepts. 1.2 Scope, time and costs. 1.3 Types of project. 1.4 Management organisation (Project Management Office (PMO), programs and portfolios). 1.5 Partcipants in the project and stakeholders. 1.6 Life cycle of projects. 1.7 Project documentation (UNE 157001:2002). 1.8 Planning, control and monitoring of projects. 1.9 Project planning tools (MS Project and other applications).
2	Unit 2. Management Areas: 2.1 Risk management of the project. 2.2 Quality management. 2.2.1 Configuration management. 2.2.2 Management of changes and incidents. 2.3 Human resources management in project management. 2.4 Communication management. 2.5 Supplies management. 2.6 Tools for quality management of projects (JIRA and other applications).
3	Unit 3. Methodologies and tools for project management: 3.1 PMBOOK of PMI guide. 3.2 Agile development software methodologies (SCRUM). 3.3 Stardards of project management (UNE 166001:2006).
4	Group work: management of a business or ICT project.
5	Tutoring.
6	Exam.

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Exam	Written exam	Yes	Yes	60,00
Work	Work	No	Yes	40,00
TOTAL				100,00

Observations
Participation in classroom activities and virtual classes will be valued.

Observations for part-time students
Part-time students will make an exam and a work that may be individual under the circumstances.

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC
MATERIALES DOCENTES A DISPOSICIÓN DE LOS ESTUDIANTES EN EL AULA VIRTUAL DE LA ASIGNATURA.
PMBOK (2013). A guide to the Project Management Body of Knowledge (PMBOOK Guide), Fifth edition. Project Management Institute.
ÁLVAREZ, A.; DE LAS HERAS, R. y LASA, C. (2012). Métodos Ágiles y Scrum. Anaya Multimedia. Madrid.
PRINCE2 (2009). PRojects IN Controlled Environments. Office of Government Commerce (OGC). United Kingdom.
DOMINGO, A. (2005). Dirección y Gestión de Proyectos: un Enfoque Práctico. 2ª ed. Ra-Ma, D.L. Madrid.
LOCK, D. (2003). Fundamentos de la Gestión de Proyectos. AENOR, Madrid.