

SUBJECT TEACHING GUIDE

891 - Management of Information and Communication Technology Projects

Master's Degree in Business and Information Technologies

Master's Degree in Business and Information Technologies

Academic year 2025-2026

1. IDENTIFYING DATA					
Degree	Master's Degree in Business and Information Technologies Master's Degree in Business and Information Technologies			Type and Year	Compulsory. Year 1 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)		
Knowledge Field	Economic sciences, administration and business management, marketing, commerce, accountancy and tourism Economic sciences, administration and business management, marketing, commerce, accountancy and tourism				
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. ADMINISTRACION DE EMPRESAS
Name of lecturer	PEDRO SOLANA GONZALEZ
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Other lecturers	JOSE IVAN GOMEZ ALVARADO

4. OBJECTIVES

- Know the basic principles of project management.
- Learn to plan, define the scope, establish the task structure and estimate the effort, resources, time and costs of projects and monitor them.
- Understand the different areas of project management including time, team and quality management.
- To know agile methods and the SCRUM framework.
- To know methodologies and software tools used in project management.

6. SUBJECT PROGRAM

CONTENTS

1	Unit 1. Principles of project management <ul style="list-style-type: none"> 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 Participants 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. Areas of project management <ul style="list-style-type: none"> 2.1 Time management 2.2 Team management 2.3 Project risk management 2.4 Quality management 2.5 Communication management 2.6 Project quality management tools (JIRA and other applications).
3	Unit 3. Methodologies and tools for project management: <ul style="list-style-type: none"> 3.1 PMBOOK of PMI guide. 3.2 Agile project development methods and SCRUM framework. 3.3 Standards 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 (2021). A guide to the Project Management Body of Knowledge (PMBOOK Guide), Seventh 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.