



IDENTIFYING DATA

D1 Needs and Technologies of the SI

Subject	D1 Needs and Technologies of the SI			
Code	P02M009V03217			
Study programme	(*)Máster Universitario en Dirección Integrada de Proxectos. Especialidade: Sistemas de Información			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	5	Optional	1st	An
Teaching language	Spanish			
Department				
Coordinator	Sáez López, Juan			
Lecturers	Sáez López, Juan			
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Web	http://www.mdip.es			
General description	(*)Formulación da Enxeñaría de Sistemas para o desenvolvemento de proxectos e a integración dos sistemas de información industrial			

Competencies

Code	
A2	(*)Que os estudantes saiban aplicar os coñecementos adquiridos e a súa capacidade de resolución de problemas en contornos novos ou pouco coñecidos dentro de contextos máis amplos (ou multidisciplinares) relacionados coa súa área de estudo.
C2	(*)Desarrollo de la capacidad de de análisis y síntesis vinculadas a las acciones del Project Manager.
C3	(*)Capacidad de organización y planificación las diferentes fases de un proyecto.
C7	(*)Dominio del análisis crítico y reflexivo de las opciones metodológicas que se presentan en el ambito del Project Manager, que fundamenten las propias decisiones.
C8	(*)Capacidad para intercambiar conocimientos y liderar proyectos de forma cooperativa y multidisciplinar en el ámbito del Project Manager.
C13	(*)Capacidad para gestionar la obtención del resultado acorde a los criterios de calidad, y del cliente
C14	(*)Capacidad para la planificación, redacción del proyecto así como para su comunicación de forma convincente, clara, concisa y sin ambigüedades.
D2	(*)Que los estudiantes hayan demostrado la capacidad de concebir, diseñar y planificar un proyecto siguiendo la metodolodía Project Manager.
D4	(*)Que se le suponga, al estudiante, capaz de fomentar en contextos profesionales el avance tecnológico, en el ámbito del Project Manager.

Learning outcomes

Expected results from this subject	Training and Learning Results
Be able to direct and develop projects of engineering applying the knowledges of the engineering of systems	C2 C3 C8 C13 C14 D2

Be able to analyse and identify a project of engineering from all the points of seen disciplined, contemplating all the appearances of information that can take part in the system.	A2 C2 C3 C7 D4
Be Able to identify the data and technologies that need integrate in a system of industrial information so that it offer interfaces for all the appearances of information of the productive system	C8 C13 D4

Contents

Topic	
Subject 1. Introduction	1.1 current Surroundings 1.2 Definition of engineering of systems 1.3 Characteristics of the engineering of systems 1.4 Applications of the engineering of systems
Subject 2. The process of engineering of systems	2.1 Requirements of the system 2.2 functional Analyses and assignment of requirements 2.3 Analyses, synthesis, evaluation and *optimización of the design 2.4 Integration of the design 2.5 Review, evaluation and **realimentacion of the design 2.6 Proof and evaluation of the system 2.7 Production and/or building 2.8 Utilization and support of the system 2.9 Withdrawal of the system, *refugallo of the material, *rehabilitación and reuse
Subject 3. Integration of the systems of information.	3.1 Control of *producción 3.2 Assistance *al process of *mantenimiento 3.3 Assistance *al control of *calidad 3.4 *Trazabilidad 3.5 Assistance *al *puesto of *trabajo 3.6 Return of experiences integrated in him system of information

Planning

	Class hours	Hours outside the classroom	Total hours
Troubleshooting and / or exercises	1	10	11
Master Session	3	3	6
Case studies / analysis of situations	16	82	98
Short answer tests	1	9	10

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Troubleshooting and / or exercises	Along the course will propose exercises that will owe to resolved of individual form by part of student.
Master Session	Exhibition by part of the professor of the contained envelope to subject of study, theoretical bases and/or *guidelines of the work, exercise or project to develop pole student.
Case studies / analysis of situations	Along the course present situations problem that will be analyze and studied by part of the students to propose solutions to the even.

Personalized attention

Methodologies	Description
Case studies / analysis of situations	The student will receive attention individual in the time of established it such end during it present academic course. Stop the query of the his schedule of tutor and place of the same will owe to consult the web of the master: www.mdip.es

Assessment

	Description	Qualification	Training and Learning Results
Troubleshooting and / or exercises	Resolution of problems/exercise guided by him teaching	50	A2 C2 C3 C7 C8 C13 C14

Short answer tests	Short questions envelope the contents of the subject	50	A2	C2 C3 C7 C8 C13 C14	D2 D4
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Other comments on the Evaluation

Sources of information

Recommendations

Subjects that continue the syllabus

D2 The Management of an ICT Projects/P02M009V03218

Subjects that it is recommended to have taken before

A8 Project Risk Management and Acquisitions/P02M009V03208
