



IDENTIFYING DATA

Master's Degree Thesis

Subject	Master's Degree Thesis			
Code	V04M141V01402			
Study programme	(*)Máster Universitario en Enxeñaría Industrial			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	24	Mandatory	2nd	2nd
Teaching language				
Department	Systems Engineering and Automatismos Business Organisation and Marketing			
Coordinator	Pardo Froján, Juan Enrique			
Lecturers	Fernández Silva, Celso Pardo Froján, Juan Enrique			
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Web				
General description	Realisation, presentation and defence, once obtained all the credits of the plan of studies, of an original exercise realised individually in front of a university court, consistent in an integral project of Industrial Engineering of professional nature in which *sintetice the competitions purchased in the educations.			

Competencies

Code	
C35	CTFM1. Execution, presentation and defense, once obtained all the credits of the curriculum, from an original exercise done individually before a university tribunal, consisting of a comprehensive project of Industrial Engineering of professional nature in which the skills acquired in the lessons are synthesized.
D1	ABET-a. An ability to apply knowledge of mathematics, science, and engineering.
D2	ABET-b. An ability to design and conduct experiments, as well as to analyze and interpret data.
D3	ABET-c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
D5	ABET-e. An ability to identify, formulate, and solve engineering problems.
D7	ABET-g. An ability to communicate effectively.

Learning outcomes

Expected results from this subject	Training and Learning Results	
Put in practice of the knowledges purchased in the development of a subject applied specific	C35	D1 D2 D3 D5 D7
Realisation of an integral project of Industrial Engineering of professional nature in which summarize the competences purchased in the educations.	C35	D1 D2 D3 D5 D7

Contents

Topic

- (*)· Objetivos del trabajo
- Antecedentes y bases de partida
- Desarrollo
- Conclusiones
- Pliego de condiciones
- Presupuesto
- Plano

Planning

	Class hours	Hours outside the classroom	Total hours
Supervised work	25	75	100
Problem solving	20	30	50
Project based learning	0	200	200
Previous studies	0	125	125
Case studies	0	75	75
Laboratory practice	0	50	50

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

Methodologies

	Description
Supervised work	Documentation on the state of the art of the subject object of the TFM
Problem solving	Approach of the problem to tackle
Project based learning	Composition of the memory and of the executive summary
Previous studies	Development and implantation of the solution chosen
Case studies	Analysis of solutions

Personalized attention

Methodologies Description

Supervised work	The professor will attend personally the doubts and queries of the students. They will attend doubts so much of theoretical character like practical.
Problem solving	The professor will attend personally the doubts and queries of the students.

Assessment

Description	Qualification	Training and Learning Results
Supervised work(*)El alumno deberá realizar una memoria del trabajo y una exposición pública del mismo.	100	C35 D1 D2 D3 D5 D7

Other comments on the Evaluation

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

Other comments

Development, presentation and defence, once obtained all the credits of the plan of studies, of an original exercise realised individually in front of a university court, consist in an integral project of Industrial Engineering of professional nature in which summarise the competences purchased in the educations.