



IDENTIFYING DATA

Master's Thesis

Subject	Master's Thesis			
Code	V04M141V01402			
Study programme	(*)Máster Universitario en Enxeñaría Industrial			
Descriptors	ECTS Credits	Type	Year	Quadmester
	24	Mandatory	2nd	2nd
Teaching language				
Department				
Coordinator	Pou Saracho, Juan María Fernández Silva, Celso			
Lecturers	Fernández Silva, Celso Pou Saracho, Juan María			
E-mail	jpou@uvigo.es csilva@uvigo.es			
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 *sinteticen the competitions purchased in the educations.			

Competencies

Code	CE35CTFM1. 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.
CT1	ABET-a. An ability to apply knowledge of mathematics, science, and engineering.
CT2	ABET-b. An ability to design and conduct experiments, as well as to analyze and interpret data.
CT3	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.
CT5	ABET-e. An ability to identify, formulate, and solve engineering problems.
CT7	ABET-g. An ability to communicate effectively.

Learning outcomes

Learning outcomes	Competences
Put in practice of the knowledges purchased in the development of a subject applied specific	CE35 CT1 CT5 CT7
Realisation of an integral project of Industrial Engineering of professional nature in which summarize the competences purchased in the educations.	CT2 CT3

Contents

Topic

Planning

	Class hours	Hours outside the classroom	Total hours
Tutored works	25	75	100
Troubleshooting and / or exercises	20	30	50
Projects	0	200	200
Previous studies / activities	0	125	125

Case studies / analysis of situations	0	75	75
Practical tests, real task execution and / or simulated.	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
Tutored works	Documentation on the state of the art of the subject object of the TFM
Troubleshooting and / or exercises	Approach of the problem to tackle
Projects	Composition of the memory and of the executive summary
Previous studies / activities	Development and implantation of the solution chosen
Case studies / analysis of situations	Analysis of solutions

Personalized attention	
Methodologies	Description
Tutored works	The professor will attend personally the doubts and queries of the students. They will attend doubts so much of theoretical character like practical.
Troubleshooting and / or exercises	The professor will attend personally the doubts and queries of the students.

Assessment			
	Description	Qualification	Evaluated Competences
Practical tests, real task execution and / or simulated.	The student presents the result obtained by means of the preparation of a document on the thematic of the work and a public exhibition of the same.	100	CE35 CT1 CT2 CT3 CT5 CT7

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.