



## IDENTIFYING DATA

### Bachelor Degree Thesis

Subject	Bachelor Degree Thesis			
Code	V12G360V01991			
Study programme	Degree in Industrial Technologies Engineering			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	12	Mandatory	4th	2nd
Teaching language	Spanish Galician English			
Department				
Coordinator	Rodríguez Castro, Francisco			
Lecturers	Rodríguez Castro, Francisco			
E-mail	rcastro@uvigo.es			
Web				
General description	The Bachelor Degree Thesis (TFG) is an original and personal work that each student will realise of autonomous form under educational tutorization, and has to allow him show of form integrated the acquisition of the formative contents and the competitions associated to the title. His definition and contents are explained of form more extensive in the Regulation of the Bachelor Degree Thesis approved by the Board of School of the School of Industrial Engineering on 21 July 2015.			

## Competencies

Code	
B1	CG1 Ability to design, develop, implement, manage and improve products and processes in various industrial fields, through analytical, computational and experimental appropriate techniques.
B2	CG2 Ability to lead activities related to CG1 competence.
B3	CG3 Knowledge in basic and technological subjects that will enable them to learn new methods and theories, and equip them with versatility to adapt to new situations.
B4	CG4 Ability to solve problems with initiative, decision making, creativity, critical thinking and to communicate and transmit knowledge, skills and abilities in the field of Industrial Engineering.
B10	CG10 Ability to work in a multidisciplinary and multilingual environment.
B12	CG12 Ability to integrate skills CG1 to CG11 in the work and projects related to Industrial Technologies.
D4	CT4 Oral and written proficiency in a foreign language.
D12	CT12 Research skills.

## Learning outcomes

Expected results from this subject	Training and Learning Results	
Research, organize and structuring of information on any subject.	B1 B2 B3 B4 B10 B12	D12
Preparation of a memory in which they collect , amongst other, the following appearances: antecedents, problematic or state of the art, aims, phases of the project, development of the project, conclusions and future lines.	B1 B2 B3 B4 B10 B12	D12

Design of teams, prototypes, programs of simulation, etc, according to specifications.	B1 B2 B3 B4 B10 B12	D12
In the moment to realise the application of the defence of the *TFG, the student will have to justify the acquisition of a suitable level of competition in English tongue.		D4

## Contents

Topic	
Classical projects of engineering	They can deal with, for example, on the design and even the manufacture of a prototype, the engineering of an installation of production, or the implantation of a system in any one industrial field. Generally, in them it manages always the documentary part of the memory (with his sections of calculations, specifications, studies of feasibility, security, etc. that they require in each case), planes, fold of conditions and budget and, in some cases, also contemplates the own studies of the phase of material execution of the project.
Technical studies, organisational and economic	Consistent in the realization of relative studies to teams, systems, services, etc., related with the own fields of the degree, that treat one or more relative appearances to the design, planning, production, management, exploitation and any one another typical of the field of the engineering, relating where appropriate alternative technicians with economic evaluations and discussion and assessment of the results.
Theoretical works-experimental	Of theoretical nature, computational or experimental, that constitute a contribution to the technician in the diverse fields of the engineering including, where appropriate, economic evaluation and discussion and assessment of the results.

## Planning

	Class hours	Hours outside the classroom	Total hours
Introductory activities	5	25	30
Tutored works	15	210	225
Others	5	25	30
Presentations / exhibitions	1	14	15

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

## Methodologies

	Description
Introductory activities	The student will realise, of autonomous form, a bibliographic research, reading, processing and preparation of documentation.
Tutored works	The student, of individual way, elaborates a memory according to the indications of the Regulation of the Bachelor Degree Thesis of the EEI.
Others	The student will elaborate a brief report in which it will define the problem and the current situation, an analysis of causes, the objective situation, the plan of action and the follow-up, and that will conclude with the final results.
Presentations / exhibitions	The students have to prepare and defend the work realized in front of a court of evaluation according to the indications of the Regulation of the Bachelor Degree Thesis of the EEI.

## Personalized attention

Methodologies	Description
Tutored works	Each student will have a tutor and/or a *co-tutor commissioned to guide him, and that will mark him the timely guidelines to realise the *TFG.

## Assessment

Description	Qualification	Training and Learning Results

Tutored works	The qualification of the memory of the Bachelor Degree Thesis will carry out according to the specified in the Regulation of the Bachelor Degree Thesis of the School of Industrial Engineering.	60	B1 B2 B3 B4 B10 B12	D4 D12
Others	The qualification of report of the Bachelor Degree Thesis will carry out according to the specified in the Regulation of the Bachelor Degree Thesis of the School of Industrial Engineering.	10	B1 B2 B3 B4 B10 B12	D4 D12
Presentations / exhibitions	The defence of the Bachelor Degree Thesis will carry out according to the specified in the Regulation of the Bachelor Degree Thesis of the School of Industrial Engineering.	30	B1 B2 B3 B4 B10 B12	D4 D12

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#### Other comments on the Evaluation

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#### Sources of information

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#### Recommendations

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#### Other comments

Ethical commitment: it expects that the present student a suitable ethical behaviour. In the case to detect a no ethical behaviour (copy, plagiarism or others) will consider that the global qualification in the present academic course will be of suspense (0.0).

Requirements: To enrol in the Work End of Degree is necessary to have surpassed or be enrolled of all the matters of the inferior courses to the course in which it is situated the \*TFG.

Important information: In the moment of the defence of the \*TFG, the student will have to have all the remaining matters of the title surpassed, such as it establishes the article 7.7 of the Regulation for the realisation of the Work End of Degree of the University of Vigo.

The originality of the memory will be object of study by means of a computer application of detection of plagiarisms.

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