



## IDENTIFYING DATA

### Final Year Dissertation

Subject	Final Year Dissertation			
Code	V05G300V01991			
Study programme	Degree in Telecommunications Technologies Engineering - In extinction			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	12	Mandatory	4th	2nd
Teaching language	Spanish Galician English			
Department				
Coordinator	Caeiro Rodríguez, Manuel			
Lecturers	Caeiro Rodríguez, Manuel			
E-mail	mcaeiro@det.uvigo.es			
Web	<a href="http://fatic.uvigo.es">http://fatic.uvigo.es</a>			
General description	<p>The Bachelor Thesis (TFG) is a constituent part, as a unit module, of the curriculum of Degree in Engineering of Technologies of Telecommunication. It is an original and personal work that each student will realise autonomously under educational supervision, and has to allow him to show in a comprehensive form the acquisition of the formative contents and the competences associated to the title.</p> <p>Its definition and contents are explained in detail in the regulation for the realisation of the Bachelor's thesis approved by the Academic Commission of Degree, whose content appears in the web of the School of Engineering of Telecommunication.</p>			

## Competencies

Code	
A1	Students have demonstrated knowledge acquisition and understanding in the field of study. This knowledge begins based on general secondary education, and it is typically at a level that, although advanced textbooks would support it, includes some aspects at the forefront of their field of study.
A2	Students can apply their knowledge to their jobs in a professional way and they have competences that are typically demonstrated through devising and sustaining arguments and solving problems within their field of study.
A4	Students can communicate information, ideas, problems and solutions to both general and specialized public.
B1	CG1: The ability to write, develop and sign projects in the field of Telecommunication Engineering, according to the knowledge acquired as considered in section 5 of this Law, the conception and development or operation of networks, services and applications of Telecommunication and Electronics.
B2	CG2: The knowledge, comprehension and ability to apply the needed legislation during the development of the Technical Telecommunication Engineer profession and aptitude to manage compulsory specifications, procedures and laws.
B4	CG4: The ability to solve problems with initiative, to make creative decisions and to communicate and transmit knowledge and skills, understanding the ethical and professional responsibility of the Technical Telecommunication Engineer activity.
B9	CG9: The ability to work in multidisciplinary groups in a Multilanguage environment and to communicate, in writing and orally, knowledge, procedures, results and ideas related with Telecommunications and Electronics.
B10	CG10 The ability for critical reading of scientific papers and docs.
B14	CG14 The ability to use software tools to search for information or bibliographical resources.
C90	(CE90/TFG)Original and individual exercise to be defended before an examining board consisting of a project in a specific technology of Telecommunication Engineering and of a professional nature, where the abilities acquired from the teachings are integrated and synthesized.
D1	CT1 Development of sufficient autonomy to carry out works within the area of Telecommunications in interdisciplinary contexts.
D2	CT2 Understanding Engineering within a framework of sustainable development.

D4 CT4 Encourage cooperative work, and skills like communication, organization, planning and acceptance of responsibility in a multilingual and multidisciplinary work environment, which promotes education for equality, peace and respect for fundamental rights.

<b>Learning outcomes</b>			
Expected results from this subject	Training and Learning Results		
Search, management and structuring of information on any topic	A2	B2 B10 B14	D1
Development and writing of a project document which are collected: history, state of the art or problematic, objectives, project phases, project development, conclusions and future lines.	A2	B1 B10	D1 D2 D4
Prototyping, programming simulation software, etc., according to specifications.	A4	B1 B2 B4 B9	C90
CG1: The ability to write, develop and sign projects in the field of Telecommunication Engineering, according to the knowledge acquired as considered in section 5 of this Law, the conception and development or operation of networks, services and applications of Telecommunication and Electronics.	A1	B1	C90 D1 D2 D4

<b>Contents</b>	
Topic	Each TFG will have different contents
The contents of each TFG will be defined in individual proposals offered by tutors and approved by the Academic Degree Commission under the rules for carrying out the Bachelor Thesis, the content of which is available on the website of the School of Telecommunication Engineering.	

<b>Planning</b>			
	Class hours	Hours outside the classroom	Total hours
Previous studies	0	20	20
Project based learning	0	20	20
Presentation	0	8	8
Mentored work	30	210	240
Essay	2	10	12

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

<b>Methodologies</b>	
	Description
Previous studies	Search, read and work documentation, troubleshooting suggestions and / or exercises to be performed in the classroom and / or laboratory ... independently by students.
Project based learning	The student presents the results obtained in the preparation of a document on the subject matter. It will be carried out individually, and both in writing (memory) and orally.
Presentation	Students must prepare and defend the work in front of a jury.
Mentored work	The student, individually, produces a paper on the subject matter, or he/she prepares seminars, research, memoirs, essays, summaries, etc.

<b>Personalized assistance</b>	
Methodologies	Description
Mentored work	Each student receives academic advice by his/her supervisor concerning the specific topic of the Bachelor's thesis. Students will meet regularly with their supervisors for tracking of their progress.
Previous studies	Each student receives academic advice by his/her supervisor concerning the specific topic of the Bachelor's thesis. Students will meet regularly with their supervisors for tracking of their progress.
Project based learning	Each student receives academic advice by his/her supervisor concerning the specific topic of the Bachelor's thesis. Students will meet regularly with their supervisors for tracking of their progress.
Presentation	Each student receives academic advice by his/her supervisor concerning the specific topic of the Bachelor's thesis. Students will meet regularly with their supervisors for tracking of their progress.

<b>Assessment</b>		
Description	Qualification	Training and Learning Results
<p>Essay A panel of three teachers for each of the mentions of the Degree shall be appointed. The evaluation was carried out according to the rules for carrying out the Final Year Work and assessment rubric approved by the Academic Degree Committee, whose contents are available on the website of the school of Telecommunication Engineering.</p>	100	

### **Other comments on the Evaluation**

Plagiarism is regarded as serious dishonest behavior. If any form of plagiarism is detected in any of the tests or exams, the final grade will be FAIL (0), and the incident will be reported to the corresponding academic authorities for prosecution.

All information related to the TFG is available on the website of the School of Telecommunication Engineering at the following link:

<http://www.teleco.uvigo.es/index.php/es/estudios/gett/planificacion-academica/tfg>

### **Sources of information**

#### **Basic Bibliography**

#### **Complementary Bibliography**

### **Recommendations**

### **Other comments**

Having passed all necessary subjects to obtain the Bachelor degree except the TFG, or enroll simultaneously in all subjects.

### **Contingency plan**

#### **Description**

=== EXCEPTIONAL PLANNING ===

Given the uncertain and unpredictable evolution of the health alert caused by COVID-19, the University of Vigo establishes an extraordinary planning that will be activated when the administrations and the institution itself determine it, considering safety, health and responsibility criteria both in distance and blended learning. These already planned measures guarantee, at the required time, the development of teaching in a more agile and effective way, as it is known in advance (or well in advance) by the students and teachers through the standardized tool.

=== ADAPTATION OF THE METHODOLOGIES ===

\* Teaching methodologies maintained

In the event that teaching must be done online, all methodologies are maintained.

\* Non-attendance mechanisms for student attention (tutoring)

In the event that teaching must be carried out online, the tutoring sessions may be carried out by telematic means (email, videoconference at the Remote Campus, FAITIC forums, ...) under the modality of prior agreement.

=== ADAPTATION OF THE TESTS ===

In the event that teaching must be done online, the evaluation scheme will be maintained.