



## IDENTIFYING DATA

### The Final Master Degree Work

Subject	The Final Master Degree Work			
Code	V05M145V01401			
Study programme	(*)Máster Universitario en Enxeñaría de Telecomunicación			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	30	Mandatory	2nd	1st
Teaching language	Spanish English			
Department				
Coordinator	Fernández Veiga, Manuel			
Lecturers	Fernández Veiga, Manuel			
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Web	<a href="http://faticuvigo.es">http://faticuvigo.es</a>			
General description	The Master Thesis (TFM) forms part, like module, of the plan of studies of the title of Master in Engineering of Telecommunication. It is an original and personal work that each student realises of autonomous form under educational permission, 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 rule for the realisation of the TFM, whose content can consult in the web of the School of Telecommunication Engineering.			

## Competencies

Code	
A1	CB1 The knowledge and understanding needed to provide a basis or opportunity for being original in developing and/or applying ideas, often within a research context.
B1	CG1 The ability to project, calculate and design products, processes and facilities in telecommunication engineering areas.
B5	CG5 The capacity for development, strategic planning, direction, coordination and technical and financial management of projects in all fields of Telecommunication Engineering following quality and environmental criteria.
B8	CG8 The ability to apply acquired knowledge and to solve problems in new or unfamiliar environments within broader and multidiscipline contexts, being able to integrate knowledge.
B11	CG11 The ability to communicate (oral and written) conclusions, and the knowledge and reasons holding them, to specialists and non-specialists in a clear and unambiguous way.
B12	CG12 To have skills for lifelong, self-directed and autonomous learning.
C17	CE17/TFM Embodiment, presentation and defense, once all credits of the curriculum are passed, of an original exercise performed individually in front of a university jury, consisting of a comprehensive project of Telecommunication Engineering with professional nature, in which skills acquired in the teachings are synthesized.

## Learning outcomes

Expected results from this subject	Training and Learning Results
Research, *ordenación and structuring of information on some subject related with the Engineering of Telecommunication	A1 B8 B12
Preparation by heart of project in which they collect : antecedents, problematic or state of the art, aims, phases of the project, development of the project, conclusions and future lines.	B1 B8 B11 C17

Design of prototypes, computer programs, circuits, procedures, etc, according to specifications	A1 B1 B5 B8 B12
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## Contents

Topic	The contents of the *TFM define in the individual proposals offered by the professors tutors, according to the willing rule by the Academic Commission of *Máster, whose content can consult through the web of the School of Engineering of Telecommunication.	The subject of each work is specific, given the individual character of the work.
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## Planning

	Class hours	Hours outside the classroom	Total hours
Previous studies / activities	0	60	60
Case studies / analysis of situations	0	20	20
Others	10	0	10
Projects	0	630	630
Troubleshooting and / or exercises	0	30	30

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

## Methodologies

	Description
Previous studies / activities	Research, reading and work of documentation, proposals of resolution of problems and/or exercises that will realise in the classroom or the laboratory of autonomous form by the *alumnado.
Case studies / analysis of situations	It carries out a critical analysis of similar problems to the posed in the *TFM, with the end to extract ideas, *analogías, methods or partial results that help in the resolution of the problem posed in the *TFM.
Others	The student receives personalised attention of his tutor about the general approach, the definition of aims and the plan of development of his *TFM, as well as orientation more specific and explanations *sonde the particular technical problems that involves.
Projects	The student, of individual way, resolves a scientific problem-technical of interest, of original and notable form, on the thematic specific assigned, and is able to draft a memory written with the hypotheses, the solution and the conclusions reasoned of his work.
Troubleshooting and / or exercises	The student studies the possible solutions to a scientific problem-technical proposed for his *TFM, and elaborates a solution of synthesis (analytical, meteorological, experimental or combined) that allow him reach the aims that had foreseen.

## Personalized attention

### Methodologies Description

Others	Each tutor will devote a time to attend personally to each one of the students of *TFM to his charge, to orient his work and guide the process of learning, as well as to review and correct the memory and the oral presentation.
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## Assessment

Description	Qualification	Training and Learning Results
Projects The evaluation will do by means of the presentation and defence in front of a Court of the individual work realised by the student under the *tutoría of a professor of the degree, or a professor or extraneous engineer to the University, represented by a professor of the degree.  In the evaluation, the Court will be able to take into account the opinions or the report reasoned of the professor tutor, as well as appearances like the quality of the presentation, the review of the state of the art, the quality of the technical proposal, the novelty and importance of the results, the capacity of initiative of the student, etc.  System of qualifications: it will express by means of numerical final qualification of 0 to 10 according to the valid legislation.	100	A1 B1 B5 B8 B11 B12

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**Other comments on the Evaluation**

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All the information related with the \*TFM can consult in the web of the School of Engineering of Telecommunication.

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**Sources of information**

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**Recommendations**

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