



IDENTIFYING DATA

Master's final dissertation

Subject	Master's final dissertation			
Code	P52M182V01307			
Study programme	Master Universitario en Dirección TIC para la defensa			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Mandatory	2nd	1st
Teaching language	Spanish			
Department				
Coordinator	Fernández Gavilanes, Milagros			
Lecturers	Fernández Gavilanes, Milagros			
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Web	http://campus.defensa.gob.es https://moovi.uvigo.gal			
General description	Preparation and defence of an individual, original work of sufficient level and complexity, in which the student applies the knowledge acquired during the course of the master's degree. The subject of the work may be proposed by the student or defined by his/her academic tutor and, in any case, it must be related to the contents of the master's degree, either with the common module or with the specialised module selected by the student.			
	<p>Its definition and contents are explained more extensively in the regulations for the Master's Final Dissertation (TFM) approved by the Master's Academic Committee (CAM) and ratified by the Centre Board, the content of which can be consulted on the website of the Defense University Center, in the section dedicated to the DIRETIC Master's Degree.</p>			

Skills

Code	
A6	CB6 - Possess and understand knowledge that provides a basis or opportunity to be original in the development and / or application of ideas, often in a research context.
A7	CB7 - That students know how to apply the acquired knowledge and their ability to solve problems in new or poorly understood environments within broader (or multidisciplinary) contexts related to their area of study.
A8	CB8 - That students are able to integrate knowledge and face the complexity of formulating judgments based on information that, being incomplete or limited, includes reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments.
A9	CB9 - That students know how to communicate their conclusions and the knowledge and ultimate reasons that support them to a specialized and unspecialized public in a clear and unambiguous way.
A10	CB10 - That students possess the learning skills that allow them to continue studying in a way that will be largely self-directed or autonomous.
B1	CG1 - Possess advanced and highly specialized knowledge and demonstrate a detailed and well-founded understanding of the theoretical and practical aspects dealt with in the different areas of study.
B2	CG2 - Integrate and apply the knowledge acquired, and possess the ability to solve problems in new or imprecisely defined environments, including multidisciplinary contexts related to their field of study.
B4	CG4 - Being a professional committed to quality, deadlines and the adequacy of solutions, not only in the exercise of the profession but also in the social field, including a commitment to economic, ethical and environmental sustainability.
B6	CG6 - Be able to make decisions in environments characterized by complexity and uncertainty, evaluating the different existing alternatives in order to select the one with the most favorable expected result, appropriately managing the risk associated with the decision.
C11	CE11 - Prepare, present and publicly defend before a committee an individual and original work in which the competences acquired in the master are synthesized.
D1	CT1 - Ability to understand the meaning and application of the gender perspective in the different fields of knowledge and in professional practice with the aim of achieving a fairer and more egalitarian society.

D4 CT4 - Oral and written communication skills.

D5 CT5 - Autonomous learning and work.

D6 CT6 - Properly manage information resources.

Learning outcomes

Expected results from this subject	Training and Learning Results
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LO1. Be able to produce an individual and original work in which the competences acquired in the master's degree are synthesised.

A6
A7
A8
A9
A10
B1
B2
B4
B6
C11
D1
D4
D5
D6

New

LO2. Present and publicly defend the work carried out before a university examining board.

A6
A7
A8
A9
A10
B1
B2
B4
B6
C11
D1
D4
D5
D6

LO3. Demonstrate the degree of knowledge, understanding and handling of the basic tools of professional practice in the field of ICT management and information security.

A6
A7
A8
A9
A10
B1
B2
B6
C11

Contents

Topic

Preparation and defence of a project in which the student integrates and applies the knowledge acquired during the course of the master's degree. The subject of the work must be related to the contents previously covered in one or more subjects of the programme, either from the common module or from the intensification that the student has taken. Thus, the work may correspond to one of the following thematic profiles:

1) Management and direction: Technical, organisational and/or economic studies relating to equipment, systems, services, etc., dealing with any of the aspects of design, planning, management and/or operation of ICT systems, including aspects of security management.

2) Technical: theoretical/practical, computational or experimental work, related to any of the technological aspects dealt with in the master's degree programme, whether in the field of telecommunications systems, information systems or security.

The contents of each project will be defined in individual proposals formulated by students or offered by lecturer-directors, as stated in article 10 of the regulations for the Master's Thesis. Each project will have a different content.

Planning

	Class hours	Hours outside the classroom	Total hours
Presentation	1	0	1
Mentored work	9	140	149

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

Methodologies

	Description
Presentation	Presentation by the students in front of an examining board of the content of the tutored work.
Mentored work	Work tutored by one or more directors, in which the student integrates and applies the knowledge acquired during the course of the master's degree. The subject of the work must be related to the contents previously covered in one or more subjects of the programme, either from the common module or from the intensification that the student has taken.

Personalized assistance

Methodologies Description

Mentored work	The supervised work of the TFM involves tutoring meetings both in the distance and face-to-face phases, if possible, on a regular basis. These meetings will allow the correct orientation and monitoring of the work carried out by the student.
Presentation	In order to prepare for the defence of the supervised dissertation in front of an examining board, meetings will be held to prepare for the defence of the dissertation.

Assessment

	Description	Qualification	Training	Learning Results
Presentation	Presentation of the TFM by the students, individually. Knowledge, skills and attitudes can be assessed through the presentation.	30	A6 A7 A8 A9 A10	B1 B2 B4 B6 C11 D1 D4 D5 D6
Mentored work	Text or document prepared on the assigned topic of the dissertation that must be written following established rules of style and length. It allows the evaluation of the student's skills, knowledge and, to a lesser extent, attitudes.	70	A6 A7 A8 A9 A10	B1 B2 B4 B6 C11 D1 D4 D5 D6

Other comments on the Evaluation

It will be necessary to obtain at least 50% of the grade to pass the subject.

In the event that the student does not manage to pass the subject in the ordinary call, he/she will have the right to a second opportunity for assessment (extraordinary call) on the dates established for this purpose by the Master's Academic Committee. The evaluation of the extraordinary call will be carried out in distance mode, and in it the student will have the

opportunity to re-submit the report of his work and make (via videoconference) the presentation of this, being the weight of each activity in the final grade, and the minimum required to pass the subject as indicated above for the ordinary call.

In the event of awarding a failing final grade, the assessment panel will attach a report with the appropriate recommendations to the student and the directors for the improvement of the work in a subsequent assessment.

ETHICAL COMMITMENT:

As indicated in the current regulations, the TFM must be an individual and original work. For this reason, work carried out by third parties, or whose content reproduces directly, in a significant percentage, work carried out by third parties or by the student him/herself in any other subject of any degree or university, may not be presented as such. If this type of behaviour is detected, the student will be penalised with a grade of 0.0.

In the case of any difference between the Galician/Spanish/English guides related to the evaluation, the Spanish guide will always prevail.

Sources of information

Basic Bibliography

UNED, **¿Cómo presentar trabajos académicos?**,

Biblioteca universitaria de la Universidad de Málaga, **Cómo elaborar un trabajo de investigación,**

Biblioteca de la Universidad Carlos III de Madrid, **Cómo citar bibliografía: UNES-ISO 690,**

Biblioteca de la Universidad de Alcalá., **Uso ético de la información,**

Complementary Bibliography

Recommendations

Other comments

Students must have successfully passed the other subjects on the programme (including those in their chosen speciality) before proceeding to the defence of the dissertation.

The preparation and defence of the TFM may be carried out in Spanish or Galician, at the student's choice. In addition to these, the preparation and defence of the TFM in English will be allowed to those students who wish to do so and who can prove that they have a level equivalent to B2 of the Common European Framework of Reference for Languages.

The evaluation of the TFM (both the report and the presentation and defence) will be carried out by a panel appointed by the Master's Academic Committee and made up of lecturers from the programme and/or professionals from outside the programme who work in the thematic area of the Master's degree.

It is recommended to consult the Master's Thesis Regulations, which specify other aspects of interest regarding enrolment, the nature of the proposal, mechanisms for submission and assessment of the work, etc.
