



Teaching Guide

Identifying Data					2023/24
Subject (*)	Master`s Dissertation		Code	730547022d	
Study programme	Máster Universitario en Eficiencia Enerxética e Sustentabilidade (a distancia)				
Descriptors					
Cycle	Period	Year	Type	Credits	
Official Master's Degree	2nd four-month period	First	Obligatory	9	
Language	SpanishGalician				
Teaching method	Non-attendance				
Prerequisites					
Department	Enxeñaría Industrial				
Coordinador	Casteleiro Roca, José Luis	E-mail	jose.luis.casteleiro@udc.es		
Lecturers	Casteleiro Roca, José Luis	E-mail	jose.luis.casteleiro@udc.es		
Web					
General description	Preparation of a project, report or research work in the field of energy efficiency and use, in which the skills acquired in the studies are synthesized and integrated.				

Study programme competences / results

Code	Study programme competences / results
A15	CE15 - Develop a project in the scope of the master
B2	CB7 - That students know how to apply the knowledge acquired and their ability to solve problems in new or little-known environments within broader (or multidisciplinary) contexts related to their area of study
B4	CB9 - That students know how to communicate their conclusions and the knowledge and ultimate reasons that support them to specialized and non-specialized audiences in a clear and unambiguous way
B6	CG1 - Search and select alternatives considering the best possible solutions
B7	CG2 - Develop analysis and synthesis skills; encourage critical discussion, defending arguments, and drawing conclusions
B8	CG3 - Incorporate their own vocabulary to express themselves accurately in effective communication, both written and oral
B9	CG4 - Extract, interpret and process information, from different sources, for use in the study and analysis
B10	CG5 - Boost creativity
B18	CG13 - Pose and solve problems, interpret a set of data and analyze the results obtained; in the field of energy efficiency and sustainability
C1	CT1 - Express themselves correctly, both orally and in writing, in the official languages of the autonomous community
C2	CT2 - Master the oral and written expression and comprehension of a foreign language
C3	CT3 - Use the basic tools of information and communication technologies (ICT) necessary for the exercise of their profession and for learning throughout their lives
C4	CT4 - Develop for the exercise of a respectful citizenship with the democratic culture, human rights and the gender perspective
C5	CT5 - Understand the importance of entrepreneurial culture and know the means available to entrepreneurs
C6	CT6 - Gain life skills and healthy habits, routines, and lifestyles
C9	CT9 - Have the ability to manage time and resources: develop plans, prioritize activities, identify criticism, set deadlines and meet them

Learning outcomes

Learning outcomes	Study programme competences / results



Ability to develop, present and defend individually an original exercise of a professional nature in the field of Energy Efficiency and Sustainability as a demonstration and synthesis of the skills acquired in the teachings. They will apply the skills acquired to carry out a task autonomously. Identifying the need for continuous learning and developing an own strategy to carry it out. They will plan and use the necessary information for a project or academic work based on a critical reflection on the information resources used. You will be able to use the techniques, skills and tools of Energy Efficiency and Sustainability necessary to practice it. You will be able to carry out cost analysis, investment planning, definition of entry routes and economic risks associated with the project based on the technical solutions adopted. Likewise, they will be able to define a plan in which financial parameters indicative of the economic status of the investment are analyzed. You will communicate clearly and efficiently in oral and written presentations on complex topics, adapting to the situation, the type of audience and the communication objectives.	AC15	BC2 BC4 BC6 BC7 BC8 BC9 BC10 BC18	CC1 CC2 CC3 CC4 CC5 CC6 CC9
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Contents	
Topic	Sub-topic
Contents described in the verification report	Original exercise to be carried out individually and presented and defended before a court, consisting of a project in the field of specific technologies of Energy Efficiency and Sustainability of a professional or research nature in which the skills acquired in the degree are synthesized and integrated.

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Supervised projects	A15 B2 B4 B6 B7 B8 B9 B10 B18 C1 C2 C3 C4 C5 C6 C9	25	191	216
Oral presentation	A15 B2 B4 B6 B7 B8 B9 B10 B18 C1 C2 C3 C4 C5 C6 C9	1	0	1
Personalized attention		8	0	8

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

Methodologies	
Methodologies	Description
Supervised projects	Methodology designed to promote autonomous learning of students under the tutelage of the teacher and in various settings (academic and professional). It refers primarily to learning "how to do things." It constitutes an option based on the assumption by students of responsibility for their own learning. This teaching system is based on two basic elements: the independent learning of the students and the monitoring of that learning by the teacher-tutor.
Oral presentation	Intervention inherent to the teaching-learning processes based on verbal presentation through which students and teachers interact in an orderly manner, proposing questions, making clarifications and presenting topics, works, concepts, facts or principles in a dynamic way.

Personalized attention	
Methodologies	Description
Supervised projects	The tutor will supervise the development of the master's thesis until its completion.

Assessment			
Methodologies	Competencies / Results	Description	Qualification



Oral presentation	A15 B2 B4 B6 B7 B8 B9 B10 B18 C1 C2 C3 C4 C5 C6 C9	The student will defend his work in court and answer the questions that are asked	100
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Assessment comments

The evaluation must take into account the final reports, memory of the TFM and the oral defense of the TFM.

Sources of information

Basic	
Complementary	

Recommendations

Subjects that it is recommended to have taken before

Subjects that are recommended to be taken simultaneously

Subjects that continue the syllabus

Other comments

(*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.