UNIVERSIDADE DA CORUÑA

Teaching Guide				
Identifying Data				2019/20
Subject (*)	Final Year Dissertation		Code	730497219
Study programme	Mestrado Universitario en Enxeñaría Industrial (plan 2018)			
Descriptors				
Cycle	Period	Year	Type	Credits
Official Master's Degree	2nd four-month period	Second	Obligatory	15
Language	SpanishGalician			
Teaching method	Face-to-face			
Prerequisites				
Department	Enxeñaría Naval e Industrial			
Coordinador	González Castro, Manuel Jesús	E-mail	manuel.gonzalez@udc.es	
Lecturers	González Castro, Manuel Jesús	E-mail	manuel.gonzalez@udc.es	
Web	https://moodle.udc.es			
General description	Realización, presentación e defensa dun exercicio orixinal realizado individualmente ante un tribunal universitario, consistente nun proxecto integral de Enxeñería Industrial de natureza profesional no que se sinteticen as competencias adquiridas nos ensinos.			

Study programme competences	
Code	Study programme competences
A24	TFM - Realization, presentation and defense, once all the credits of the syllabus have been obtained, from an original exercise carried out individually before a university court, consisting of a comprehensive project of Industrial Engineering of a professional nature in which the competences acquired in the teachings.
B1	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.
B2	CB7 - That students know how to apply the knowledge acquired and their ability to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their area of ??study.
B3	CB8 - That students are able to integrate knowledge and face the complexity of making 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.
B4	CB9 - That the students know how to communicate their conclusions -and the knowledge and ultimate reasons that sustain them- to specialized and non-specialized audiences in a clear and unambiguous way.
B5	CB10 - That students have the learning skills that allow them to continue studying in a way that will be largely self-directed or autonomous.
B6	G1 - Have adequate knowledge of the scientific and technological aspects in Industrial Engineering.
B13	G8 - Apply the knowledge acquired and solve problems in new or unfamiliar environments within broader and multidisciplinary contexts.
B14	G9 - Be able to integrate knowledge and face the complexity of making judgments based on information that, being incomplete or limited, includes reflections on social and ethical responsibilities linked to the application of their knowledge and judgments.
B15	G10 - Knowing how to communicate the conclusions -and the knowledge and ultimate reasons that sustain them- to specialized and non-specialized publics in a clear and unambiguous way.
B16	G11 - Possess the learning skills that allow to continue studying in a self-directed or autonomous way.
B17	G12 - Knowledge, understanding and ability to apply the necessary legislation in the exercise of the profession of Industrial Engineer.
C1	ABET (a) - An ability to apply knowledge of mathematics, science, and engineering.
C3	ABET (c) - An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
C6	ABET (f) - An understanding of professional and ethical responsibility.
C7	ABET (g) - An ability to communicate effectively.
C8	ABET (h) - The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
C9	ABET (i) - A recognition of the need for, and an ability to engage in life-long learning.
C11	ABET (k) - An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Learning outcomes			
Learning outcomes	Study programme competences		
Posta en práctica dos coñecementos adquiridos no desenvolvemento dun tema aplicado específico. Realización dun proxecto integral de Enxeñería Industrial de natureza profesional no que se sinteticen as competencias adquiridas nos ensinos.	AJ24	BJ1 BJ2 BJ3 BJ4 BJ5 BJ6 BJ13 BJ14 BJ15 BJ16 BJ17	CJ1 CJ3 CJ6 CJ7 CJ8 CJ9 CJ11

Contents	
Topic	Sub-topic
Tema único	Realización, presentación e defensa dun exercicio orixinal realizado individualmente ante un tribunal universitario, consistente nun proxecto integral de Enxeñería Industrial de natureza profesional no que se sinteticen as competencias adquiridas nos ensinos.

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Supervised projects	A24 B17 B16 B15 B14 B13 B6 B5 B4 B3 B2 B1 C1 C3 C6 C7 C8 C9 C11	150	225	375
Personalized attention		0		0
(*)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	Realización, presentación e defensa dun exercicio orixinal realizado individualmente ante un tribunal universitario, consistente nun proxecto integral de Enxeñería Industrial de natureza profesional no que se sinteticen as competencias adquiridas nos ensinos.

Personalized attention	
Methodologies	Description
Supervised projects	Os titores atenderán aos alumnos no horario normal de titorías para a resolución de dúbidas e problemas xurdidos e o seguimento do traballo.

Assessment			
Methodologies	Competencies	Description	**Qualification**
Supervised projects	A24 B17 B16 B15 B14 B13 B6 B5 B4 B3 B2 B1 C1 C3 C6 C7 C8 C9 C11	Realización, presentación e defensa dun exercicio orixinal realizado individualmente ante un tribunal universitario, consistente nun proxecto integral de Enxeñería Industrial de natureza profesional no que se sinteticen as competencias adquiridas nos ensinos.	100

Assessment comments
Esta asignatura regularase polo "Regulamento para a realización do traballo de fin de grao ou mestrado da Escola Politécnica Superior" e os procedementos asociados. Non se admite a dispensa académica. A avaliación en 2ª oportunidade será igual que en 1ª oportunidade.

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
A entrega dos traballos documentais que se realicen nesta materia realizarase a través de Moodle, en formato dixital sen necesidade de imprimilos.

(*)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.