



| 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 Enxeñaría Industrial de natureza profesional no que se sintetizan as competencias adquiridas nos ensinos. | | | |

| Study programme competences / results | |
|---------------------------------------|--|
| Code | Study programme competences / results |
| 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 / results | |
| 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 sintetizen as competencias adquiridas nos ensinos. | AJ24 | BJ1 CJ1 BJ2 CJ3 BJ3 CJ6 BJ4 CJ7 BJ5 CJ8 BJ6 CJ9 BJ13 CJ11 BJ14 BJ15 BJ16 BJ17 |

| 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 sintetizen as competencias adquiridas nos ensinos. |

| Planning | | | | |
|------------------------|--|--------------------------------------|-------------------------------|-------------|
| Methodologies / tests | Competencies / Results | Teaching hours (in-person & virtual) | 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 sintetizen 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 / Results | 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 sintetizen 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.