



| Teaching Guide   |                                                                                                                                                                                                  |        |            |           |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|-----------|
| Identifying Data |                                                                                                                                                                                                  |        | 2023/24    |           |
| Subject (*)      | Final Project. Mention in Computer Science                                                                                                                                                       |        | Code       | 614G01106 |
| Study programme  | Grao en Enxeñaría Informática                                                                                                                                                                    |        |            |           |
| Descriptors      |                                                                                                                                                                                                  |        |            |           |
| Cycle            | Period                                                                                                                                                                                           | Year   | Type       | Credits   |
| Graduate         | 2nd four-month period                                                                                                                                                                            | Fourth | Obligatory | 12        |
| Language         | SpanishGalicianEnglish                                                                                                                                                                           |        |            |           |
| Teaching method  | Face-to-face                                                                                                                                                                                     |        |            |           |
| Prerequisites    |                                                                                                                                                                                                  |        |            |           |
| Department       | BioloxíaCiencias da Computación e Tecnoloxías da InformaciónComputaciónEmpresaEnxeñaría de ComputadoresEnxeñaría Naval e IndustrialMatemáticasProxectos Arquitectónicos, Urbanismo e Composición |        |            |           |
| Coordinador      |                                                                                                                                                                                                  | E-mail |            |           |



|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lecturers | Alonso Betanzos, Maria Amparo<br>Alonso Pardo, Miguel angel<br>Alonso Ríos, David<br>Amor Lopez, Margarita<br>Barreira Rodriguez, Noelia<br>Barreiro Garcia, Álvaro<br>Becerra Permuy, Jose Antonio<br>Bellas Bouza, Francisco Javier<br>Bolón Canedo, Verónica<br>Cabalar Fernandez, Jose Pedro<br>Cabrero Souto, David<br>Cacheda Seijo, Fidel<br>Calvo Garrido, María Del Carmen<br>Cancela Barizo, Brais<br>Carballal Mato, Adrián<br>Castro Souto, Laura Milagros<br>Cedrón Santaefemia, Francisco Abel<br>Dafonte Vazquez, Jose Carlos<br>De Moura Ramos, Jose Joaquim<br>Dorado de la Calle, Julian<br>Eiras Franco, Carlos<br>Fernández Blanco, Enrique<br>Fernández Caramés, Tiago Manuel<br>Fernández Lozano, Carlos<br>Fontenla Romero, Oscar<br>Garabato Míguez, Daniel<br>García Naya, José Antonio<br>Gestal Pose, Marcos<br>Gomez Garcia, Angel<br>Gómez Rodríguez, Carlos<br>González Domínguez, Jorge<br>Gonzalez Lopez, Miguel<br>Gonzalez Penedo, Manuel<br>Guijarro Berdiñas, Berta M.<br>Hernandez Pereira, Elena Maria<br>Lamas Seco, Jose Juan<br>Lombardía Cortiña, María José<br>López Salas, Estefanía<br>Losada Perez, Jose<br>Martín Rodilla, Patricia<br>Montoto Castelao, Paula<br>Morán Fernández, Laura<br>Moret Bonillo, Vicente<br>Mosqueira Rey, Eduardo<br>Novo Bujan, Jorge<br>Nóvoa Manuel, Francisco Javier<br>Ortega Hortas, Marcos<br>Oviedo de la Fuente, Manuel<br>Padron Gonzalez, Emilio Jose<br>Parapar López, Javier |
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Rivero Cebrián, Daniel  
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Saavedra Places, María de los Angeles  
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Santos Reyes, Jose  
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| <b>Web</b>                 | campusvirtual.udc.es                                                                                                                                                                                                                                                                                                                                            |
| <b>General description</b> | O Traballo Fin de Grao é un exercicio orixinal a realizar individualmente e que para a súa superación será presentado e defendido ante un tribunal universitario, consistente nun proxecto no ámbito das tecnoloxías específicas da Enxeñaría en Informática de natureza profesional no que se sinteticen e integren as competencias adquiridas nas ensinanzas. |

| Study programme competences |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Code                        | Study programme competences                                                                                                                                                                                                                                                                                                                                                                                                         |
| A59                         | Exercicio orixinal que se realizará individualmente e se presentará e defenderá perante un tribunal universitario, consistente nun proxecto no ámbito das tecnoloxías específicas da enxeñaría en informática de natureza profesional en que se sinteticen e integren as competencias adquiridas nas ensinanzas. Este proxecto realizarase no contexto da tecnoloxía específica elixida polo estudante de entre as cinco ofertadas. |
| B1                          | Capacidade de resolución de problemas                                                                                                                                                                                                                                                                                                                                                                                               |
| B2                          | Traballo en equipo                                                                                                                                                                                                                                                                                                                                                                                                                  |
| B3                          | Capacidade de análise e síntese                                                                                                                                                                                                                                                                                                                                                                                                     |
| B4                          | Capacidade para organizar e planificar                                                                                                                                                                                                                                                                                                                                                                                              |
| B7                          | Preocupación pola calidade                                                                                                                                                                                                                                                                                                                                                                                                          |
| B8                          | Capacidade de traballar nun equipo interdisciplinar                                                                                                                                                                                                                                                                                                                                                                                 |
| B9                          | Capacidade para xerar novas ideas (creatividade)                                                                                                                                                                                                                                                                                                                                                                                    |
| C1                          | Expresarse correctamente, tanto de forma oral coma escrita, nas linguas oficiais da comunidade autónoma.                                                                                                                                                                                                                                                                                                                            |
| C2                          | Dominar a expresión e a comprensión de forma oral e escrita dun idioma estranxeiro.                                                                                                                                                                                                                                                                                                                                                 |
| C4                          | Desenvolverse para o exercicio dunha cidadanía aberta, culta, crítica, comprometida, democrática e solidaria, capaz de analizar a realidade, diagnosticar problemas, formular e implantar solucións baseadas no coñecemento e orientadas ao ben común.                                                                                                                                                                              |
| C6                          | Valorar criticamente o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.                                                                                                                                                                                                                                                                                                   |
| C7                          | Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.                                                                                                                                                                                                                                                                                                                                                    |
| C8                          | Valorar a importancia que ten a investigación, a innovación e o desenvolvemento tecnolóxico no avance socioeconómico e cultural da sociedade.                                                                                                                                                                                                                                                                                       |

| Learning outcomes                                                                                                                                                                                                                              |  |                             |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|----|
| Learning outcomes                                                                                                                                                                                                                              |  | Study programme competences |    |
| Individual original work to be presented before a university panel, consisting in a professional IT-specific project that demonstrates the acquisition of software engineering skills. The specific context for this work is Computer Science. |  | A59                         | C1 |
|                                                                                                                                                                                                                                                |  | B1                          | C2 |
|                                                                                                                                                                                                                                                |  | B2                          | C4 |
|                                                                                                                                                                                                                                                |  | B3                          | C6 |
|                                                                                                                                                                                                                                                |  | B4                          | C7 |
|                                                                                                                                                                                                                                                |  | B7                          | C8 |
|                                                                                                                                                                                                                                                |  | B8                          |    |
|                                                                                                                                                                                                                                                |  | B9                          |    |

| Contents                  |             |
|---------------------------|-------------|
| Topic                     | Sub-topic   |
| Individual degree project | DP proposal |

| Planning              |                                                  |                      |                               |             |
|-----------------------|--------------------------------------------------|----------------------|-------------------------------|-------------|
| Methodologies / tests | Competencies                                     | Ordinary class hours | Student?s personal work hours | Total hours |
| Seminar               | B3 B4 B7 C1 C2                                   | 5                    | 20                            | 25          |
| Aprendizaxe servizo   | C4 C6 C7 C8                                      | 0                    | 0                             | 0           |
| Supervised projects   | A59 B1 B2 B3 B4 B7<br>B8 B9 C1 C2 C4 C6<br>C7 C8 | 25                   | 250                           | 275         |



|                                                                                                                                 |  |   |  |   |
|---------------------------------------------------------------------------------------------------------------------------------|--|---|--|---|
| 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                                                                                                                                                                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Seminar             | Seminars will be held to help with the elaboration and writing of the degree project.                                                                                                                                                                                                                                                      |
| Aprendizaxe servizo | Development of the degree project in the context of real local needs, with the goal of contributing to its improvement, in collaboration with an external entity, and with the aim to provide some service to the community.<br><br>This methodology is one possibility of development of the degree project, but it is not a requirement. |
| Supervised projects | There are no lectures or lab sessions, and thus the attendance to learning activities are limited to the supervising formative sessions with the student's supervisor.                                                                                                                                                                     |

## Personalized attention

| Methodologies       | Description                                                                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supervised projects | Individual supervision sessions between supervisor(s) and student will be carried out to assist in the elaboration, writing and presentation of the degree project. |

## Assessment

| Methodologies       | Competencies                                     | Description                                                                                                                                                                                                | Qualification |
|---------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Supervised projects | A59 B1 B2 B3 B4 B7<br>B8 B9 C1 C2 C4 C6<br>C7 C8 | O Traballo Fin de Grao será defendido diante dun tribunal e na súa valoración terase en conta:<br><br>- Calidade e alcance do traballo realizado<br><br>- Valoración da memoria<br><br>- Presentación oral | 100           |

## Assessment comments

The evaluation rules are stated in the "Regulamento dos Traballos Fin de Grao do título de Graduado en Enxeñaría Informática pola UDC, impartido na Facultade de Informática da Coruña (aprobado pola Xunta de Centro o 10 de xuño de 2013)".

## Sources of information

|               |                                                                                                                |
|---------------|----------------------------------------------------------------------------------------------------------------|
| Basic         | A bibliografía e fontes de información serán proporcionadas polo director/a do TFG en función do tema elixido. |
| 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

Before handing in the degree project, the student must have passed all credits but the ones corresponding to the TFG.



(\*)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.