



Teaching Guide				
Identifying Data				2018/19
Subject (*)	Final Dissertation		Code	610G02046
Study programme	Grao en Bioloxía			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	2nd four-month period	Fourth	Obligatory	6
Language	SpanishGalicianEnglish			
Teaching method	Face-to-face			
Prerequisites				
Department	BioloxíaFísica e Ciencias da Terra			
Coordinador		E-mail		



Lecturers	Barreiro Lozano, Rodolfo Becerra Fernandez, Manuel Bernal Pita da Veiga, angeles Cabeza Gras, Oscar Castro Castro, Antonio Manuel Cerdan Villanueva, Maria Esperanza Cid Blanco, Angeles Couceiro López, Lucía Díaz Prado, María Luz Diaz Varela, Jose Domínguez Pérez, Montserrat Fagúndez Díaz, Jaime Fernandez Rodriguez, Luis Jose Fidalgo Paredes, Pablo Folgueira Otero, Mónica Galan Regalado, Pedro Manuel Gonzalez Tizon, Ana Maria Herrero Lopez, Maria Concepcion Lamas Criado, Iban Lamas Maceiras, Mónica Martínez Abraín, Alejandro Martinez Lage, Andres Mendez Felpeto, Josefina Naveira Fachal, Horacio Parapar Vegas, Julio Paz Gonzalez, Antonio Pimentel Pereira, Manuel Pomar Barbeito, Federico Rioboo Blanco, Carmen Rodriguez Belmonte, Esther Rodríguez Roiloa, Sergio Sahuquillo Balbuena, Elvira Sanjurjo Sanchez, Jorge Servia García, María José Silvar Pereiro, Cristina Torres Vaamonde, Jose Enrique Vidal Romani, Juan Ramon Vila Taboada, Marta Yañez Sanchez, Julian	E-mail	rodolfo.barreiro@udc.es manuel.becerra@udc.es angeles.bernal@udc.es oscar.cabeza@udc.es antonio.castro@udc.es esper.cerdan@udc.es angeles.cid@udc.es lucia.couceiro@udc.es luz.diaz@udc.es jose.diaz.varela@udc.es montserrat.dominguez.perez@udc.es jaime.fagundez@udc.es luis.fernandezr@udc.es pablo.fidalgo@udc.es m.folgueira@udc.es pedro.galan@udc.es ana.gonzalez.tizon@udc.es concepcion.herrero@udc.es iban.lamas@udc.es monica.lamas@udc.es a.abrain@udc.es andres.martinez@udc.es josefina.mendez@udc.es horacio.naveira.fachal@udc.es julio.parapar@udc.es antonio.paz.gonzalez@udc.es m.pimentel@udc.es federico.pomar@udc.es carmen.rioboo@udc.es esther.belmonte@udc.es sergio.roiloa@udc.es elvira.sahuquillob@udc.es jorge.sanjurjo.sanchez@udc.es maria.servia@udc.es c.silvar@udc.es enrique.torres@udc.es juan.vidal.romani@udc.es marta.vila.taboada@udc.es julian.yanez@udc.es
Web	http://ciencias.udc.es/estudos/grao-en-biología/organización-docente		
General description	For the Final Dissertation of the Degree in Biology, each student must individually carry out a project under the supervision of one or two teachers/professionals (at least one of the supervisors must be a teacher of the Degree in Biology). The topic of the project should be related to the contents of the Degree. This Final Dissertation is compulsory and a fundamental part of the scientific development of the student, and she/he should be involved in all the stages of the project.		

Study programme competences	
Code	Study programme competences
B1	Aprender a aprender.
B2	Resolver problemas de forma efectiva.
B3	Aplicar un pensamento crítico, lóxico e creativo.



B4	Traballar de forma autónoma con iniciativa.
B5	Traballar en colaboración.
B6	Organizar e planificar o traballo.
B7	Comunicarse de maneira efectiva nunha contorna de traballo.
B8	Sintetizar a información.
B9	Formarse unha opinión propia.
B10	Exercer a crítica científica.
B11	Debater en público.
B12	Adaptarse a novas situacións.
B13	Comportarse con ética e responsabilidade social como cidadán e como profesional.
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.
C3	Utilizar as ferramentas básicas das tecnoloxías da información e as comunicacións (TIC) necesarias para o exercicio da súa profesión e para a aprendizaxe ao longo da súa vida.
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.
C5	Entender a importancia da cultura emprendedora e coñecer os medios ao alcance das persoas emprendedoras.
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	
By completing his/her final dissertation, the student will acquire all the basic and general competencies of the degree (type B), as well as some specific competencies (type A), depending on the characteristics of the project. Institutional (or transversal, type C) competencies are also considered in this final dissertation, although the nature of the project will determine which ones and to what degree.	B1	C1
	B2	C2
	B3	C3
	B4	C4
	B5	C5
	B6	C6
	B7	C7
	B8	C8
	B9	
	B10	
	B11	
	B12	
	B13	

Contents	
Topic	Sub-topic
Final dissertation (project) topic	A list of the available projects for the course will be produced by the end of the second semester of the previous course. The number of projects will depend on the number of enrolled students and available teachers. The topics of the projects will be in line with the learning outcomes of the degree in Biology, as well as with its competences and skills.

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student's personal work hours	Total hours



Introductory activities	B6 C1 C3 C6	2	0	2
Research (Research project)	B1 B2 B3 B4 B5 B6 B8 B9 B10 B12 B13 C1 C2 C4 C5 C7	40	40	80
Critical bibliographical	B1 B3 B6 B8 B10 B13 C1 C2 C3 C6	1	15	16
Summary	B1 B2 B3 B4 B6 B7 B8 B9 B10 B12 B13 C1 C2 C8	0	40	40
Oral presentation	B3 B6 B7 B8 B10 B11 B12 B13 C1 C2 C3 C4	1	8	9
Personalized attention		3	0	3
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

Methodologies	
Methodologies	Description
Introductory activities	Initial activities of the final dissertation. The student will be introduced to the structure and topic of his/her project. They will be given specific instructions on methodology and information sources.
Research (Research project)	The student will identify and analyse the research question or problem on which the project is based. They will have to establish the right procedures to solve the questions/problems, as well as analyse the obtained results and draw the right conclusions.
Critical bibliographical	The student will obtain and critically use the most relevant bibliographic information for the topic of their final dissertation.
Summary	The student will summarize the main results and conclusions of their project in a report written following the regulations established by the University of A Coruña and the Faculty of Sciences (see step 7, assessment, in this teaching guide)
Oral presentation	The defense of the final dissertation will be open to the public. The student will present their results during a maximum period of 15 minutes (the recommended duration of the defense is 10 minutes), followed by a discussion with the members of the evaluation committee.

Personalized attention	
Methodologies	Description
Oral presentation Introductory activities Research (Research project) Critical bibliographical Summary	The supervisor or supervisors will guide the student throughout the process of conducting their final dissertation project.

Assessment			
Methodologies	Competencies	Description	Qualification
Oral presentation	B3 B6 B7 B8 B10 B11 B12 B13 C1 C2 C3 C4	In this assessment, the members of the evaluation committee will consider the quality of the written report and the oral presentation, as well as different competencies included in the final dissertation rubric.	70



Summary	B1 B2 B3 B4 B6 B7 B8 B9 B10 B12 B13 C1 C2 C8	The supervisor or supervisors will assess the quality and contents of the written report, as well as the different competencies included in the final dissertation rubric.	30
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Assessment comments

REQUIREMENTS FOR THE FINAL (WRITTEN) REPORT

It is recommended that the final report of the final dissertation is signed by the supervisor or supervisors. It is important to consider, though, that this will never be a substitute for the official authorisation of the defense signed in the "secretaría virtual" by the supervisor/s.

-The format of the report will also be evaluated, and it must conform to the following basic requirements:

1. Maximum 25 pages, not including the cover, the supervisor signature page, the summary and the index.
2. Margins not below 2 cm (top, bottom, left and right)
3. Body text: Arial (or equivalent), 12 points / Captions and headings in figures and tables: not less than 10 points
4. Single or 1,5 lines spacing
5. Annexes (graphics/tables/extra figures) may be added if necessary
6. Recommendations:
 - Double-sided pages
 - Avoid using plastic

-The supervisor or supervisors will decide whether they want to use plagiarism detection software or not, although the use of turnitin is strongly recommended. The reports not analysed using turnitin can be presented, although they will not be included in the institutional repository of the University of A Coruña (RUC)

REQUIREMENTS FOR THE ORAL PRESENTATION¹.

The student will present the aims, methodology, results and conclusions of their project in a maximum time of 15 minutes (10 minutes is recommended). The evaluation committee will inform the student of the available time at the beginning of the defence.

2. After the project is presented by the student, they will discuss their results with the evaluation committee. Members of the committee will make all the comments and questions they consider relevant, although a maximum time of 5 minutes per member is strongly recommended.

Sources of information

Basic	O director ou directores proporán os recursos bibliográficos que consideren máis axustados para cada traballo de fin de grao.El director o directores propondrán los recursos bibliográficos que consideren más adaptados a cada trabajo de fin de grado.The supervisor or supervisors will propose the adequate bibliographic resources for each student.
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 being able to defend their final dissertation, the student needs to pass courses representing 234 ECTS credits.

(*)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.