

Syllabus

Subject

Subject / Group	20129 - Final Degree Project / 1
Degree	Degree in Biology - Fourth year
Credits	6
Period	2nd semester
Language of instruction	Spanish

Professors

Lecturers	Office hours for students					
	Starting time	Finishing time	Day	Start date	End date	Office / Building
David Moranta Mesquida <i>Responsible</i> david.moranta@uib.es	13:30	14:30	Wednesday	02/09/2019	31/07/2020	Despat 32 / edifici Beatriu de Pinós

Context

The Final Degree Project (TFG) is a mandatory subject in the last year of the degree and worth six ECTS credits. Every student must elaborate an individual project under the supervision of a tutor, write a report and do an oral presentation of the work before a panel. The work shall be a bibliographic work or an experimental work on a topic inherent to the degree. In any event, it shall be an original piece of work and not simply a monograph, i.e. a summary of published articles. The aim of the TFG is for students to apply, integrate and demonstrate the skills acquired throughout the degree course. Special focus shall be placed on whether students are able to transmit scientific results in writing and orally.

Details about the Final Degree Project are set out in the *Specific Regulations for Final Degree Projects in Biology, Biochemistry, Physics and Chemistry* accessible in Aula Digital.

Requirements

Essential

The first requirement to register for the Final Degree Project is to enrol on all the necessary credits to complete the degree programme. The second is to have passed, within the ordinary registration period, at least 174 ECTS credits from the first three years; and within the extraordinary registration period, have at least 174 ECTS credits from the first three years and 24 credits from the fourth year.

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All students must have passed the core training subjects when submitting, presenting and defending their project.

Skills

Specific

- * CE-2 Recognising and correctly applying theories, paradigms, concepts and principles related to biological sciences, as well as becoming familiar with nomenclature, classification and terminology in the field of biology.
- * CE-4 Obtaining and integrating suitable lines of evidence to formulate hypotheses in the area of biology, knowing and applying scientific methodology.
- * CE-6 Having the ability to analyse and interpret data in the area of organism and system biology linked to theoretical fundamentals.
- * CE-7 Having the ability to plan and take decisions in biological research.
- * CE-8 Having the ability to critically and knowingly interpret and communicate biological research information based on data, texts, scientific articles and reports.
- * CE-12 Carrying out studies and communicating results in the field of biomedicine, public health, environmental technology and scientific outreach.

Generic

- * CT-2 Developing skills in analysis, synthesis, organisation and planning, as well as problem-solving in the area of biology.
- * CT-3 Having the ability to use the right computer and statistical tools in all areas of biology studies and information management.
- * CT-4 Having the ability to understand scientific literature in biology, and acquiring oral and written communication skills, as well as knowledge of English.
- * CT-5 Developing skills aimed at self-managed, independent learning, critical reasoning and working in a multi-disciplinary team.

Basic

- * You may consult the basic competencies students will have to achieve by the end of the degree at the following address: <http://www.uib.eu/study/grau/Basic-Competences-In-Bachelors-Degree-Studies/>

Content

The TFG may be done on any of the degree subjects. Every student shall select a specific topic (as per articles 5, 9 and 10 in the Faculty of Science Regulations) and develop it in accordance with the guidelines from their tutor. The specific thematic contents shall be those defined in each of the proposed projects.

All students shall elaborate an original piece of work. The contents shall be defined within each project proposal.

Range of topics

Different for each project. Diverse

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Each student will elaborate an original project. The contents will be defined in each project proposal.

Teaching methodology

Students shall have several tutorials where the tutor shall guide them appropriately and assess their work progress and acquisition of skills. Once completed, students shall submit a work report in writing to their tutor. After this, students shall present and defend the most important results from their work before a panel. Students shall select the language for the report and presentation, which may be Catalan, Spanish or English. The total number of hours students shall dedicate to this subject is 150. In the case that a project includes an experimental fieldwork or laboratory section, this shall not exceed 80 hours.

In-class work activities (0.32 credits, 8 hours)

Modality	Name	Typ. Grp.	Description	Hours
ECTS tutorials	Tutorials	Small group (P)	Students shall have several tutorials with the tutor for each project where the tutor shall guide them appropriately and assess their work progress and acquisition of skills.	7
Assessment	Project presentation and defence	Small group (P)	Students shall present and defend the most important results from their work before a panel.	1

At the beginning of the semester a schedule of the subject will be made available to students through the UIBdigital platform. The schedule shall at least include the dates when the continuing assessment tests will be conducted and the hand-in dates for the assignments. In addition, the lecturer shall inform students as to whether the subject work plan will be carried out through the schedule or through another way included in the Aula Digital platform.

Distance education tasks (5.68 credits, 142 hours)

Modality	Name	Description	Hours
Individual self-study	Production of the project	Students shall undertake the necessary activities to produce the work, following their tutor's recommendations. The project may include an experimental or bioinformatics analysis section, as well as a bibliographic section. Where the project includes an experimental section, this shall represent a maximum of 80 hours of work in the laboratory or in the field, as per the TFG Regulations at the Faculty of Science (article 8).	112
Individual self-study	Writing the report	Once completed, students shall submit a work report in writing to their tutor. The format of this report shall follow the standards set out in the Faculty of Science TFG Regulations (article 20).	30

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Specific risks and protective measures

The potential hazards of this subject depend on each of the projects. The tutor shall indicate to each student whether there are hazards or not, and which safety measures should be taken by each project.

Student learning assessment

Article 9.1 of the General Regulations for Final Degree Projects (FOU 353 - 9954. REGULATORY AGREEMENT of 23rd September 2011) set out that 'the project shall always be deemed as a 'non-recoverable' subject'. Therefore, since the ordinary assessment period is in the month of June, there will be a June deadline on the calendar to submit the report. Where students fail to submit their report within this deadline, or fail to notify the head of students beforehand—via the correct form submitted to admin services—that they wish to submit the report and defend their project within the extraordinary assessment period (September), they shall receive a 'failure to submit' mark and have to register again.

Those students who want to present and defend their TFG in English must notify the Head of Studies until May 30.

Frau en elements d'avaluació

In accordance with article 33 of Regulation of academic studies, "regardless of the disciplinary procedure that may be followed against the offending student, the demonstrably fraudulent performance of any of the evaluation elements included in the teaching guides of the subjects will lead, at the discretion of the teacher, a undervaluation in the qualification that may involve the qualification of "suspense 0" in the annual evaluation of the subject".

Project presentation and defence

Modality	Assessment
Technique	Oral tests (non-recoverable)
Description	Students shall present and defend the most important results from their work before a panel.
Assessment criteria	The project must be presented before a panel of lecturers (the project tutor may not be one of the members) in a public session. The presentation shall last 15-20 minutes and will be followed by a defence of the project where students shall answer questions from the panel for a maximum of 20 minutes. It should be noted that students must pass both assessment elements (report + oral presentation and defence) with a mark equal to or above 5 (out of 10) for each.

Final grade percentage: 40%with a minimum grade of 5

Production of the project

Modality	Individual self-study
Technique	Observation techniques (non-recoverable)
Description	Students shall undertake the necessary activities to produce the work, following their tutor's recommendations. The project may include an experimental or bioinformatics analysis section, as well as a bibliographic section. Where the project includes an experimental section, this shall represent a maximum

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of 80 hours of work in the laboratory or in the field, as per the TFG Regulations at the Faculty of Science (article 8).

Assessment criteria The tutor shall assess the skills and initiative shown by students whilst they develop the project.

Final grade percentage: 20%

Writing the report

Modality Individual self-study

Technique Papers and projects (**non-recoverable**)

Description Once completed, students shall submit a work report in writing to their tutor. The format of this report shall follow the standards set out in the Faculty of Science TFG Regulations (article 20).

Assessment criteria The tutor shall assess the report. Said report must contain the features set out in article 20 of the Faculty of Science TFG Regulations.

It should be noted that students must pass both assessment elements (report + oral presentation and defence) with a mark equal to or above 5 (out of 10) for each.

Final grade percentage: 40%with a minimum grade of 5

Resources, bibliography and additional documentation

Given the diversity of the topics, there is no general bibliography that serves all students.

Basic bibliography

The one recommended in each case by the tutor, depending on the topic of the work to be carried out.

Complementary bibliography

The one recommended in each case by the tutor, depending on the topic of the work to be carried out.

Other resources

Specific Regulations for Final Degree Projects in Biology, Biochemistry, Physics and Chemistry
The Regulations on Writing and Assessing Final Degree Projects or Master's Theses at the University of the Balearic Islands.

FOU 353 - 9954. REGULATORY AGREEMENT of 23rd September 2011

<https://seu.uib.cat/fou/acord/99/9954.html>

