

IDENTIFICATION DETAILS

Degree:	Biomedicine			
Scope	Biology and Genetics			
Faculty/School:	Experimental Sciences			
Course:	END-OF-DEGREE PROJECT			
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Туре:	Degree Project		ECTS credits:	6
Year:	4		Code:	2168
Teaching period:	Eighth semester			
Subject:	Final Degree Project			
Module:	Final Degree Project			
Teaching type:	Classroom-based			
Language:	Spanish			
Total number of student study hours:	150			

SUBJECT DESCRIPTION

The objective of this course is for graduates of the Francisco de Vitoria University to be able, based on the knowledge acquired during the Degree and experience in the world of work in the biomedical sector, to design and manage a research or business project.

The Final Degree Project is a compulsory subject within the Biomedicine Degree and is framed within the End of Degree Work Module. The student, based on the work done during external internships (Internships in Institutions) and making use of bibliographic information, must individually make an innovative proposal for a research or professional development project in the field of Biomedicine. Likewise, the student may individually carry out a bibliographic review or a professional project in the field of Biomedicine.

The project will be supervised by a tutor, professor of the Degree, whose task will be to advise and guide the student during the process of preparing the Final Degree Project. The report will be submitted in accordance with established regulations and must be defended by the student before a Court made up of degree teachers.

GOAL

The general objective of the TFG course is for students to demonstrate the consolidation of the knowledge, skills and competencies acquired during their years of studying the Degree in Biomedicine, which will allow them to work as a professional in any institution in the area.

The specific purposes of the course are:

The specific aims of the subject are:

Know how to use the main sources of information to prepare the TFG

Know how to clearly and concisely formulate the objectives of the TFG

Know how to formulate a hypothesis correctly ||Know how to correctly present a scientific work in the field of biomedicine

Know how to evaluate and use specialized information resources in the area of TFG

Understand the importance of updating and knowing what is new in the area of interest of the TFG

Be competent in solving a practical case

Know how to cite and prepare the bibliography in the TFG

PRIOR KNOWLEDGE

To read and defend the TFG, students must have passed all the credits of the Degree with the exception of those corresponding to the TFG itself.

COURSE SYLLABUS

In the TFG subject, students must submit a written report that, focused on the project developed during external internships, integrates the knowledge acquired during the Degree and is translated into a basic research project or biobusiness application. Alternatively, the student may individually carry out a bibliographic review or a professional project in the field of Biomedicine.

EDUCATION ACTIVITIES

FACE-TO-FACE ACTIVITIES

- Tutoring: All students will have a teacher who will act as a tutor for the TFG. Once the TFG project has been assigned, in a first tutoring session, the student will make their general approach to the tutor teacher, who will provide their observations so that the process of drafting and defending it by the student is adequate in a timely manner according to the schedule set up for this purpose. Throughout the corresponding semester, the tutor will follow up on the student's work through at least 3 additional tutorials (at the Francisco de Vitoria University's own facilities or through on-line conversation tools), in order to observe their progress and provide suggestions and or redirection to the process if necessary.

- Presentation and defense of the TFG: The report will be submitted in accordance with established regulations and must be defended by the student before a Court made up of degree teachers. NON-FACE-TO-FACE ACTIVITIES

- Preparation of the report of the TFG project: The student must submit a report of their TFG project. The requirements established for the presentation format of the TFG report will be published in the virtual classroom of the subject in the first semester of the academic year.

- Preparation of the presentation and defense of the TFG: The student must defend their written memory before a Court made up of degree teachers. The requirements established for the defense of the TFG will be published in the virtual classroom of the subject in the first semester of the academic year.

DISTRIBUTION OF WORK TIME

TEACHER-LED TRAINING ACTIVITIES	INDIVIDUAL WORK
5 Horas	145 Horas

LEARNING RESULTS

Know how to organize, analyze, evaluate, describe and critically defend the results obtained from experimental work carried out previously in the laboratory.

Know the different laboratory instruments and materials (biological and non-biological) and their obtaining and handling for different purposes, observing the necessary safety principles.

SPECIFIC LEARNING RESULTS

It integrates the theoretical knowledge acquired during the Degree.

Applies processes and procedures to collect, analyze and interpret relevant data and information in a methodical manner.

It presents a report in accordance with the requirements specified in the regulations.

He rigorously defends the results and conclusions presented in his work.

He uses oral written communication properly, manages to express himself effectively and correctly, connecting with the audience in the presentation of his work, promoting active listening and facilitating the receptivity and reciprocity of dialogue with his interlocutors.

Use specialized literature effectively.

LEARNING APPRAISAL SYSTEM

The criteria for evaluating the project and its defense before the court, as well as their weighting, will be made accessible to students and tutors, through the virtual classroom of the subject, well before the presentation and defense of the TFG.

The TFG rating weighting scheme will be as follows:

RATING PROVIDED BY THE TUTOR (25%): the tutor teacher will provide a grade based on the student's compliance with the proposal and the tutoring schedule, on the structure and conceptual organization of the memory.

RATING PROVIDED BY THE COURT (75%):

- Written memory (25%): The structure and organization of memory, the quality of presentation of the contents, the analysis of the results obtained and the obtaining of conclusions will be assessed.

- Oral presentation (25%): The logical and systematic order of the presentation, the capacity for synthesis/time control, the coherence of the presentation, the brilliance of the presentation and the capacity for transmission will be evaluated.

- Memory defense (25%): Logical and well-founded reasoning, coherence in responses, transmission capacity and logical and systematic order in answers will be evaluated.

It is necessary to obtain a minimum total grade of 5 (out of 10) to pass the subject.

Plagiarism, as well as the use of illegitimate means in evaluation tests, will be sanctioned in accordance with those established in the Evaluation Regulations and the University's Coexistence Regulations.

ETHICAL AND RESPONSIBLE USE OF ARTIFICIAL INTELLIGENCE

1.- The use of any Artificial Intelligence (AI) system or service shall be determined by the lecturer, and may only be used in the manner and under the conditions indicated by them. In all cases, its use must comply with the following principles:

a) The use of AI systems or services must be accompanied by critical reflection on the part of the student regarding their impact and/or limitations in the development of the assigned task or project.

b) The selection of AI systems or services must be justified, explaining their advantages over other tools or methods of obtaining information. The chosen model and the version of AI used must be described in as much detail as possible.

c) The student must appropriately cite the use of AI systems or services, specifying the parts of the work where they were used and describing the creative process followed. The use of citation formats and usage examples may be consulted on the Library website(<u>https://www.ufv.es/gestion-de-la-informacion_biblioteca/</u>).

d) The results obtained through AI systems or services must always be verified. As the author, the student is responsible for their work and for the legitimacy of the sources used.

2.- In all cases, the use of AI systems or services must always respect the principles of responsible and ethical use upheld by the university, as outlined in the <u>Guide for the Responsible Use of Artificial Intelligence in Studies at UFV</u>. Additionally, the lecturer may request other types of individual commitments from the student when deemed necessary.

3.- Without prejudice to the above, in cases of doubt regarding the ethical and responsible use of any AI system or service, the lecturer may require an oral presentation of any assignment or partial submission. This oral evaluation shall take precedence over any other form of assessment outlined in the Teaching Guide. In this oral defense, the student must demonstrate knowledge of the subject, justify their decisions, and explain the development of their work.

BIBLIOGRAPHY AND OTHER RESOURCES

Basic

To specify according to the assigned TFG project To specify according to the assigned TFG project