

**COURSE DATA****DATA SUBJECT**

Code: 33824
Name: Degree Final Project in Biologia
Cycle: Undergraduate Studies
ECTS Credits: 15
Academic year: 2025-26

STUDY (S)

| Degree | Center | Acad. year | Period |
|--------------------------|-------------------------------------|------------|-----------------------------|
| 1100 - Degree in Biology | Facultat de Ciències Biològiques | 4 | Indefinite (Individuals) |

SUBJECT-MATTER

| Degree | Subject-matter | Character |
|--------------------------|----------------------|----------------------|
| 1100 - Degree in Biology | Degree Final project | FINAL DEGREE PROJECT |

COORDINATION

REPULLES ALBELDA AIGÜES

RIUS PEREZ SERGIO

CRESPO RUPEREZ CARLOS

SUMMARY

All the student's learning during the three previous years of the degree converges in the Final Project (TFG, "Trabajo de Fin de Grado"), which represents the culmination of their ability to work as student. The main objective of this final stage is to allow the student to experience for himself the difficulties of practical work, facing the real limitations of research and technical processes and results production.

The skills acquired during the career will be applied to scientific activity, choosing the most suitable areas according to their curriculum. Specific intensifications will be achieved taking into account the optional topics selected by students through their career. It is intended that students develop the team work abilities, in particular scientific environments, thus facilitating the approach to the complex world of scientific production. The College will evaluate the training acquired along the degree by assessing the scientific maturity of the students, which will revert, if necessary, in appropriate adjustments to optimize the results.

The Final Project will be held as a practicum, in the form of scientific work within the Faculty, other external



center or any affiliate organism collaborating in the External Practicum programs including this modality. UVEG will ensure sufficient opportunities to the totality of students, although they can also make the Final Project abroad, through any established form (stage, Leonardo ...). When the Final Project is carried out in a department of the Faculty, an academic supervisor of the University of Valencia will be assigned the each student, who will advice and direct him. When the Final Project is carried out in an external center, an academic supervisor of the Faculty will be assigned to the student and also a second tutor (external supervisor) from the external center, which will direct the work.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

1100 - Degree in Biology

Obligation to have previously passed the subject(s)

33039 - Mathematics I
33040 - Mathematics II
33041 - Biology
33042 - Biology, university and society
33043 - Basic tools in biology
33044 - Cellular structure
33053 - The tree of life
33068 - Chemistry
33069 - Physics
33070 - Geology

OTHER REQUIREMENTS

The student must be registered in at least 150 credits, including all the basic topics of the degree, and have to be registered in all compulsory topics of the three first years before starting the Final Project.

COMPETENCES / LEARNING OUTCOMES

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Apreciación del rigor, el trabajo metódico, y la solidez de los resultados.

Aprendizaje autónomo y en nuevas situaciones.

Capacidad de análisis, síntesis y razonamiento crítico.

Capacidad de análisis crítico de textos científicos.

Capacidad de divulgación del conocimiento científico.

Capacidad de organización, planificación y gestión de la información.

Capacidad de resolución de problemas y toma de decisiones.

Conocimiento de sistemas de gestión en tareas profesionales en biología.

Conocimientos de informática.



Habilidad para el trabajo en equipo y en contextos multidisciplinares.

Potenciación de la capacidad de liderazgo.

Potenciar la creatividad, iniciativa y espíritu emprendedor.

Redactar y ejecutar proyectos en biología.

Reflexión ética sobre la actividad profesional.

Saber analizar datos usando herramientas estadísticas apropiadas.

Saber diseñar experimentos y desarrollarlos mediante el uso de técnicas e instrumentales científicos adecuados.

Uso del inglés como vehículo de comunicación científica.

Utilización del lenguaje científico oral y escrito.

DESCRIPTION OF CONTENTS

1.

This is an individual work developed under the supervision or direction of a professor in the Faculty, which will translate the knowledge and skills acquired throughout the degree according to the subjects proposed annually by the Faculty. In any case, the contents of the Final Project will be proposed based on the intensification selected by the student.

WORKLOAD

PRESENCIAL ACTIVITIES

| Activity | Hours |
|---|-------------|
| Attendance at supplementary activities | 0,00 |
| Monitoring and tutoring of the bachelor's thesis | 0,00 |
| Presentation and defence of the bachelor's thesis | 0,00 |
| Total hours | 0,00 |

NON PRESENCIAL ACTIVITIES

| Activity | Hours |
|--|-------------|
| Independent preparation of the bachelor's thesis | 0,00 |
| Preparation of the bachelor's thesis project | 0,00 |
| Total hours | 0,00 |



TEACHING METHODOLOGY

The student have to develop all the stages of the final project, independently of the work place and the selected modality, and he will have to establish, by way of guidance:

- 1) Introduction: state of the art, importance and objectives.
- 2) Methodology and/or work plan.
- 3) Results
- 4) Discussion and conclusions
- 5) Bibliographic references.
- 6) Resources and expenses: ethical and environmental aspects, permissions, security and confidentiality, when needed.

In some cases the students can include additional supplementary material (apendixes, computer files, etc.). In any case, the content and pertinence of such supplementary material must be accepted by the tribunal o of the Final Project.

The tutor will advise the student during the course of the project. The tutor will have a meeting with the student before the project starts, establishing the aims, deadlines, available and needed resources. As well as the ethics, environmental aspects, ect. The posterior periodical follow-up meetings will be scheduled. The tutor will finally have to accept the presentation of the project, and to write a confidential report on the student work. If the final project is supervised by an external supervisor, the academic supervisor will only have to watch that the student accomplish the administrative and academic requirements.

Ethics and responsibility

The student and the laboratory hosting the Final Project are responsible for the ethical, environmental, legal and security issues affecting the project design. All the work on the Final Project will be conducted in strict compliance of the bioethics and biosafety rules applying to the particular project.

Also compliance in the management of wildlife and the work on protected areas has to be ensured. Those Final Projects performed within projects with confidentiality clauses must have the prior approval of the entity imposing the clause.

EVALUATION



The TFG will be evaluated by a committee of three professors who have been assigned for its evaluation after the oral and public defense of the work by the student, in compliance with the provisions of RD 822/2021, of September 28, which replaces RD 393/ 2007, of October 29 (modified in RD 861/2010).

One of the three professors who make up the committee will act as its President. The President will be in charge of publicly calling the student for the oral defense of the TFG with a minimum notice of 3 days, indicating the place, date and time at which the defense will take place.

The student will present and defend his TFG in front of the committee for a maximum of 20 minutes. Next, the members of the committee may ask the student any questions or suggestions they consider appropriate for a maximum of 30 minutes. The defense of the TFG can be carried out in any of the official languages of the UV or in English.

For the qualification, the committee will take into account the quality of the work done and the report presented, the presentation and public defense carried out by the student, their debate skills and the tutor's report, using the established evaluation rubrics. Each member of the tribunal will issue an evaluation report. If there is a coincidence in the qualification made by the three members of the tribunal, a joint report may be issued if it is considered appropriate.

The grade awarded by the work tutor will account for 10% of the final grade of the TFG.

Any type of TFG will be eligible for the highest grade and the honours degree. The student may request a review of the evaluation process of his TFG with the three members of the committee if he deems it appropriate.

Once all the defenses of all the calls for the course have been completed, the honours degrees will be assigned to the TFGs with the highest qualification (according to the grade awarded by the committee with 2 decimal places), taking into account the maximum number of honours degrees that can be granted according to the UV qualification regulations.

In the event of a coincidence of grades assigned by the committee, the honours degree will be awarded to the student with the best academic record.

Students may appeal the final grade of the TFG by the procedure provided for in the evaluation and grading regulations of the University of Valencia for bachelor's and master's degrees.

REFERENCES

- No procede - No procedeix - Does not apply