

25232 - Undergraduate Dissertation

Syllabus Information

Academic year: 2023/24

Subject: 25232 - Undergraduate Dissertation

Faculty / School: 201 - Escuela Politécnica Superior

Degree: 107 - Mobility for Degree

277 - Degree in Environmental Sciences

571 - Degree in Environmental Sciences

ECTS: 12.0

Year:

Semester: Second Four-month period

Subject type: End of Grade Dissertation

Module:

1. General information

This subject has an integrating character that mobilizes the set of competencies that the student has developed throughout their formative process, combining personal interests, the studies carried out and the experiences attained. Specific competencies will be linked to it by virtue of the thematic choice and procedural choice made by the student. If there is something that defines the applied nature of this subject it is the set of general and specific competences of the degree in Environmental Sciences that students must deploy to plan, develop, prepare and defend their Degree Final Project (DFP).

This subject has a series of steps to follow according to the Regulations of Final Projects of the Polytechnic School, available at the PS website.

These approaches and objectives are aligned with the Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 (<https://www.un.org/sustainabledevelopment/es/>), specifically, the learning activities planned in this subject will contribute to the achievement of Goal 4: Quality Education.

2. Learning results

Correctly choose the topic of their DFP so that it allows the development of a research or innovation work of a scientific nature.

Define objectives and strategies and plan actions in relation to the theme of their DFP, related to the environment, with a professional, creative and innovative perspective, adequately justifying their contribution to the promotion of sustainable development in any of its aspects, within the framework of the UN Agenda 2030.

Identify and locate the most significant documentary sources related to the topic chosen for the DFP and relate them coherently with the objectives set out in the project.

Structure, reason and present the ideas that support the process of research, intervention or innovation in the professional field that will make up the DFP.

Adequately plan the work in terms of organization and process realization of the different elements of the DFP

Describe and correctly apply the procedures, techniques and other methodological strategies necessary to achieve the objectives proposed in the DFP.

Systematically and rigorously analyse and interpret the information collected and generate a set of fundamental conclusions in the theoretical and empirical approaches.

Correctly write the Final Report of the DFP, making a precise use of the specialized language of the field of environmental sciences

Present the work in a correct and structured manner, justifying and substantiating its importance and relevance, the coherence of the approach and defend it consistently in front of an expert audience.

Identify the most relevant questions asked by the members of the board and answer them in a solvent way and with coherence with the general approaches of the work

3. Syllabus

There is no specific program given the variability of possible topics for the DFP. It is the responsibility of the DFP director to establish the program.

4. Academic activities

Depending on the type of DFP and the topic chosen by the student, they will carry out different activities, which may include field and laboratory work, among others.

In any case, there will be individualized tutoring sessions whose frequency and duration will vary depending on the type of the DFP in which the director/s will provide the necessary orientation for the realization of the project and will monitor it.

In relation to informational skills, training sessions will be offered, voluntary for the student, given by the PS library staff with the aim of instructing them in the use of the informational resources for the DFP. These resources are available on the UZ Library website.

The student will elaborate the DFP proposal, will develop it by carrying out all the necessary activities and will materialize all this in a written report or project that will be accompanied, if necessary, by the material deemed appropriate. They will contain sufficient elements of personal creation and will cite adequately all the sources consulted. Finally, they will prepare the presentation and defence in front of the board of examiners designated for the evaluation of the DFP.

5. Assessment system

The student must make the presentation and defence of the DFP before the board of examiners designated for this purpose in the place, date and time set in compliance with the [Regulations for End-of-Studies Projects of the Polytechnic School of Engineering](#)

The recommended duration of the presentation is 30/35 minutes, after which the questions of the members of the board of examiners to the student will begin.

Assessment criteria

In accordance with ARTICLE 11. GRADING, of the [Regulations for End-of-Studies Projects of the School Polytechnic School](#), this teaching guide establishes the guidelines on the methodology and evaluation criteria of the DFP which are specified below.

Each member of the board will evaluate the DFP according to the following evaluation rubric:

Evaluation rubric

FORMAL ASPECTS OF THE REPORT 20%	Formal structure of contents, organization, layout (10%). Sources (currency, validity and relevance) References and citations* (completeness and standardization) (10%)
CONTENTS 50%	Definition of objectives and background and contribution of the DFP to sustainable development (15%) Scientific/technical content, complexity and difficulty of the topic (20%) Results, achievement of objectives, relevance of the conclusions (15%)
DEFENSE 30%	Oral communication (7.5%) Verbal argumentation and ability to summarise (15%) Defence support resources (7.5%)

*Plagiarism, understood as the presentation of a work or work done by another person as one's own or the copying of texts without citing their origin and giving them as their own elaboration, will entail automatically the numerical grade of zero, without prejudice to the disciplinary or legal responsibilities in which the student or students who plagiarize may incur. Art. 14.3 of the [Consolidated Text of the Regulations of the Final Degree and Master's Degree Projects at the University of Zaragoza](#),

Each member of the board of examiners will issue a numerical grade between 0 and 10 for each of the three previous sections in the grade report, which must be weighted to obtain the average grade of each member of the board. The minimum average grade required for each section will be 5.0. The final grade will be the result of the weighted average of the grades given by the members of the board.

The evaluation rubric, once completed by the board will be included in the student's record. In case of a complaint, they can request a consultation.

Formal characteristics of the DFP

The **layout** of the report shall meet the minimum criteria of homogeneous presentation according to the following structure:

1. **Cover according to PS standards**
2. **Abstract- (in Spanish) Summarize the key ideas of the paper (between 100 and 200 words)**
3. **Keywords: at least 3 keywords associated with the work.**
4. **Abstract- (in English) Translate abstract into English (between 100 and 200 words)**
5. **Keywords: minimum 3 keywords in English.**
6. **Page setup:**
 - The page specifications for the entire document are:
 - Margins:

For double-sided printing: top and bottom 2.5 cm; symmetrical margins Inside 3 cm; outside 2.5 cm; header and footer: 1.25 cm

For single-sided printing: top and bottom 2.5 cm; left 3 cm; right 2.5 cm; header and footer: 1.25 cm.

- Orientation: Vertical
- Paper size: DIN A4

7. Body of the work:

- The body of the document will follow the following specifications:

In the text it is recommended to use Arial 11 font, the paragraphs must be justified, with spacing 6-point leading and 3-point trailing spacing, with a 1.25 indentation on the first line.

Spacing: 1.5 lines.

Success rate:

2019/2020: 100%

2020/2021: 100%

2021/2022: 100%