Universidad Zaragoza

Academic Year/course: 2023/24

26837 - Undergraduate dissertation

Syllabus Information

Academic year: 2023/24
Subject: 26837 - Undergraduate dissertation
Faculty / School: 100 - Facultad de Ciencias
Degree: 297 - Degree in Optics and Optometry
ECTS: 9.0
Year: 4
Semester: Annual
Subject type: End of Grade Dissertation
Module:

1. General information

The Degree Final Project (DFP) is conceived as a final accreditation of the competencies acquired throughout the degree program.

In addition to the demonstration of specific technical skills, it is necessary to demonstrate competencies related to the communication of results, which is essential for the professional practice.

These approaches and objectives are aligned with the following Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 (https://www.un.org/sustainabledevelopment/es/), in such a way that the acquisition of the learning results of the subject provides training and competence to contribute to some extent to their achievement:

Goal 3: Health and wellness

Goal 4: Quality Education.

In order to defend the DFP, it is required to have passed all the other credits of the degree syllabus or to have a maximum of 12 ECTS credits pending.

2. Learning results

Collect and elaborate information on optics and optometry topics, preparing the necessary written materials for their transmission.

Present orally the information elaborated, with efficacy and solvency before any type of audience.

Develop autonomous work skills for well-defined purposes within the fields of optics and optometry.

Knowledge and capacity for practical application of the principles and methodologies of optics and optometry, demonstrating the acquisition of the skills and competences that are contemplated in the general definition of the degree.

Ability to adequately convey information in written, graphic or verbal form, on topics related to optics and optometry, both to a specialized and non-specialized audience.

3. Syllabus

Degree (EQF 6/MECES 2)

4. Academic activities

Final projects may be developed in any of the following modalities:

- Topic proposed by direct initiative of the student. It will be required that any teacher of the degree accepts to tutor the DFP.
- Specific topic proposed from any of the areas of knowledge taught in the degree.

In general, the work will be carried out on an individual basis.

The tutors of each project will define the specific activities to be carried out in order to meet their specific objectives.

In all cases a report of the work developed must be elaborated, with all relevant information according to the rules defined by the specific guidelines that regulate the DFP in the Degree in Optics and Optometry.

5. Assessment system

Preparation and presentation of a written report with a description of the work approach, results obtained, and conclusions, summarized in a document that, according to the specific guidelines that regulate the DFP in the Degree in Optics and Optometry, may not exceed 25 pages in length. The previous document may include the annexes deemed necessary for an adequate documentation of the work.

For the presentation of the report, the approval of the director of the work will be required, who must check that the report meets the editing standards defined in the aforementioned specific guidelines.

Defence of the work before the board of examiners in a public session.

The board will issue an evaluation report assessing:

a) The quality of the work included in the report (50% of the grade). The evaluation of the report will take into account the aspects of form included in the guidelines for the elaboration of the DFP of Optics and Optometry (https://ciencias.unizar.es/sites/ciencias.unizar.es/files/users/fmlou/pdf/Asuntos_academicos/directrices _tfgs_optica.pdf).

In addition, the following aspects will be taken into account:

-Written expression is orthographically and grammatically correct, making good use of scientific language.

-Structure and proven synthesis capacity

-Attention to ethical standards; plagiarism and citation. Use, handling and expression of sources (bibliography, citation and expression of appropriate references).

-Figures correctly referenced and explained

-Adequate, original and contextual introduction of the work carried out

-Adequate and concise definition of objectives

-Methodology well explained and/or referenced, and appropriate to the stated objectives

-Formally correct expression of the results (adequate use of units, figures, graphs, tables, statistics, etc.),

-Maturity of the discussion, mastery of the topic and originality (interpretation of results and relation with available information).

-Conclusions correctly based on the results and in accordance with the objectives of the work b) The presentation and defence of the work before the board of examiners (50% of the grade).

The oral presentation will be evaluated:

-Subject matter expertise

-Ability to synthesise

-The student expresses themselves orally in an appropriate manner

-Structure and clarity, the student makes good use of audiovisual media

-Quality of the graphic material (language, graphics, tables, units, etc...)

-Adjustment to the allotted time (20 minutes).

In the defence of the work, mastery of the topic and quality of the answers to the questions posed will be assessed.

Other aspects related to the evaluation process are set out in the specific guidelines that regulate the DFP in the Degree in Optics and Optometry.