

26931 - Undergraduate Dissertation

Syllabus Information

Academic year: 2023/24

Subject: 26931 - Undergraduate Dissertation

Faculty / School: 100 - Facultad de Ciencias

Degree: 447 - Degree in Physics

ECTS: 8.0

Year: 4

Semester: Annual

Subject type: End of Grade Dissertation

Module:

1. General information

The degree final project (DFP) is considered as a final accreditation of the competences acquired throughout the degree: it should serve to show that the student has acquired and mastered the main competences of the graduate in Physics.

In addition to the demonstration of specific skills, the ability to communicate results, essential for professional practice, must be demonstrated.

The acquisition of these competencies is aligned with the Sustainable Development Goals of the UN Agenda 2030, specifically in Goals 4 (Quality education), 8 (Decent work and economic growth) and 9 (Industry, innovation and infrastructure).

In general, the defence of the DFP requires having passed all the other credits of the syllabus of the degree. In particular cases and always with the favourable report of the director of the final degree project, according to general regulations, the defence of the DFP will be allowed with a maximum of 12 ECTS pending to be passed.

The Quality Assurance Committee of the Degree in Physics approved its own guidelines for the Degree Final Project https://ciencias.unizar.es/sites/ciencias/files/users/fmlou/pdf/Asuntos_academicos/directrices_tfg_fisica_2019.pdf

that complete the agreement of the Faculty Board of December 15, 2014, which approves the modification of the "Regulations for the elaboration and management of the degree and master final project in the Faculty of Sciences".

2. Learning results

The student, in order to pass this subject, must demonstrate the following results...

- Achievement of partial objectives set by the director for each specific work.
- Preparation of a report, which in no case shall exceed 25 pages excluding annexes, including at least: introduction, objectives, methodology, results, conclusions and bibliography corresponding to the work developed. The format of the report will be governed by the general guidelines set forth in the regulations of the Faculty of Sciences: size minimum of 11 points, spacing 1.15, with margins of at least 2.5 cm. The table of contents should appear just before the beginning of the report.
- Public defence of the project before a board of examiners: presentation and debate.

3. Syllabus

The program is specific for each Degree Final Project and is included in its proposal.

4. Academic activities

The work proposal includes a breakdown of the activities that the student will undertake during the completion of the corresponding DFP. In addition, the director of the DFP will support the student with those tools whose knowledge is necessary for the realization of the work, with the most appropriate bibliography for the same and will collaborate in the resolution of doubts or incidents that may arise during the development of the work.

All students enrolled in the DFP subject have access to the Course of Informational Competences for the DFP in the moodle2 platform, whose virtual classroom is dynamic and tutored by UZ librarians.

5. Assessment system

The board of examiners will assess the indicators listed below. The quantitative grade will be obtained from the numerical evaluations of each of the blocks, with the respective weights indicated.

BLOCK 1: STRUCTURE AND FORM OF WRITTEN REPORT (35% of the grade):

- The report includes introduction to the subject of the work and presentation of objectives, context of the problem, development of the work, conclusions and bibliography.
- Uses varied, valid and reliable sources of information and makes appropriate reference to the sources of information used.
- The written discourse is adequately structured, making good use of scientific language and the written expression is correct in spelling and grammar.
- Correctly uses appropriate resources to facilitate the understanding of the text, such as graphs and tables.

BLOCK 2: CONTENT OF THE WORK (30% of the grade):

- Adequately states the objectives of the work and the methodology to be followed, justifying it.
- It sufficiently deepens in the proposed topic and exposes the limitations in its development.
- Adequately discusses the results obtained and draws conclusions and possible ways of improvement to overcome the limitations found.

BLOCK 3: STRUCTURE, FORM AND CONTENT OF THE DEFENSE (35% of the grade):

- Shows a high degree of understanding of the topic developed, in particular adequately responds to the questions of the board in relation to the topic of the work.
- Express themselves orally in a correct manner.
- Synthesizes in an adequate way the work done and makes good use of audiovisual media.