

Academic Year/course: 2022/23

## 63293 - Master's Dissertation (Industrial and Building Processes)

### Syllabus Information

**Academic Year:** 2022/23

**Subject:** 63293 - Master's Dissertation (Industrial and Building Processes)

**Faculty / School:** 107 - Facultad de Educación

**Degree:** 584 -

601 -

**ECTS:** 6.0

**Year:** 1

**Semester:** Annual

**Subject Type:** Master Final Project

**Module:**

## 1. General information

## 2. Learning goals

### 2.2. Learning goals

The expected learning outcomes are:

1. Prepare an academic work that contains original contributions applying the knowledge, abilities and skills acquired in the course.
2. Work autonomously and responsibly to achieve the proposed objectives.
3. Critically appraise your own work.
4. Present their work, both orally and in writing, and defend it with order, clarity, rigor and respect for the opinions of others.

## 3. Assessment (1st and 2nd call)

### 3.1. Assessment tasks (description of tasks, marking system and assessment criteria)

The TFM will be done individually and may be directed by one or co-directed by a maximum of two teachers. The management work of the TFM will involve a continuous follow-up (with periodic meetings) of the student. The written TFM will be sent at least 5 school days to all the members of the court. This shipment must be made by electronic means. The TFM will be presented at the date and time indicated by the Faculty's secretary before the court. Both the writing and the presentation and defense of the TFM will be done in Spanish.

### General evaluation criteria

General evaluation criteria

In addition to the specific criteria, specific to each modality, in general the evaluation will be based on the following criteria:

- Quality of the structure and formal presentation of the work, including from the logical structure.
- Correct and meaningful use of the fundamental educational concepts that are relevant for the project.
- Quality of the presentation and defense of the project before the court. Particularly in the oral defense.

The court will make a global evaluation of the work, its presentation and its defense, reaching a final grade.

The Secretary of the evaluating court will be responsible for collecting in ANNEX IV, the final grade. In accordance with the evaluation regulations of the University of Zaragoza, the student may appeal the grade. In the event that the grade is less than five, the court, at the request of the interested party, will re-evaluate the work. Following the evaluation rules of the University of Zaragoza, fraud or total or partial plagiarism will be considered as a failure.

## 4. Methodology, learning tasks, syllabus and resources

### 4.1. Methodological overview

The aim of the Dissertation is to enable students to apply and develop a range of skills and competences acquired throughout the Degree. Students are expected to show their competence in planning, writing and defending a piece of research on a topic. This process is mainly based on the student's autonomous work but his/her progress will be supervised by a supervisor in tutorials throughout the academic year.

There are several modalities of TFM and the student can choose any of them within the time period indicated: 1. TFM modality A. The modality A will consist of an original and integrating memory made from at least two of the activities carried out along the Master (annual programming of a subject, didactic unit, innovation or research project, implementation of activities, experience of the Practicum, etc.), a critical analysis will be carried out in which the relationship and integration of the different knowledge and practices of their training process will be reflected. It is proposed that it contain: 1. Introduction. The teaching profession based on the theoretical framework and the experience in the educational center (working conditions, professional challenges, forms of organization, etc.) 2) Justification of the selection of projects, teaching units, etc. 3) Critical reflection on existing or possible relationships between those projects selected in section 2. 4) Conclusions and future proposals. 5) Documentary references: bibliography, etc. In the modality A, it will be possible to admit previous agreement of the tutor / a and as long as it is contemplated thus in the corresponding specialty and it is published in the web, other possible works centered in the following scopes: ? Theoretical reflection (for example: state of affairs on a topic, study of a set of documents and materials, etc.) ? Design and implementation oriented to the context of the practices center of a methodology not observed during the practicum in the center. ? Fundamental design of a teaching innovation project (including: situation or process of teaching-learning that aims to improve, objective (s) of the project, theoretical argumentation, based on some research articles that support the proposal, and practice, based on some similar experience that is being carried out in a Spanish center, design and development of the project, and criteria and instruments for assessing the level of achievement of the objectives) or an intervention oriented to the context of the practice center. ? Extensive analysis of a case or of a real intervention that has taken place during the internship or of a type of intervention that is taking place in the internship center. The specialty coordinator will provide information in the initial orientation session about the types of optional modality A jobs that are incorporated in each specialty.

. TFM modality B: Research initiation work related to innovation or research lines previously developed in the center.

Students who opt for this modality must complete the application contained in the ANNEX II and submit it to the Secretary of the evaluating court.

It is proposed that it contain:

- 1) Approach of the problem and theoretical framework.
- 2) Methodological design.
- 3) Analysis of data and results.
- 4) Conclusions, consequences and implications.
- 5) Documentary references: bibliography, etc.

However, the tutors, within their proposed lines, will give the pertinent and detailed specifications.

In these research projects of mode B, the following aspects will be particularly valued:

- Experience and research design
- Rigor and quality of the presentation in the analysis of the data
- Depth of interpretation of results

### 4.2. Learning tasks

The guidelines for initial dissertation preparation are provided here:

<https://educacion.unizar.es/master-profesorado-secundaria/tfm-master-profesorado>

To prepare the Dissertation draft, the student is expected to engage in autonomous work (use of the library, reviewing the literature, writing the draft of the dissertation and revising the draft).

Additionally, the student can set up regular appointments for office hour consultation.

### **4.3. Syllabus**

There is not a specific syllabus for the dissertation.

### **4.4. Course planning and calendar**

Schedule of basic activities under the supervisor's guidance:

1. Determining your topic, scope and purpose. It is strongly advised that the choice of topic and scope for your dissertation is completed by the first two weeks of the second semester.
2. Planning individual tutorials.
3. Progress reports (draft revisions).
4. Final editing and proofreading. The final version of the Dissertation will be handed in to the supervisor at least two weeks before the deadline for official submission.

The important dates can be found in the Master's webpage:

<https://educacion.unizar.es/master-profesorado-secundaria/tfm-master-profesorado>

### **4.5. Bibliography and recommended resources**

There is not a specific bibliography for the Dissertation.