

Course guide

310517 - TFM-GEDIF - Master's Thesis

Last modified: 15/05/2023

Unit in charge: Barcelona School of Building Construction
Teaching unit: 732 - OE - Department of Management.

Degree: MASTER'S DEGREE IN BUILDING CONSTRUCTION MANAGEMENT (Syllabus 2015). (Project subject).

Academic year: 2023 **ECTS Credits:** 15.0 **Languages:** Catalan, Spanish, English

LECTURER

Coordinating lecturer: Laia Haurie Ibarra

Others: Profesorado del máster

REQUIREMENTS

The TFM is carried out when all the subjects of the degree have been passed.

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

1. FB-1 Aptitude to use the applied knowledges related with the numerical and infinitesimal calculus, linear algebra, analytic and differential geometry, and the probabilistic and statistical analysis techniques and methods.

Transversal:

2. SELF-DIRECTED LEARNING. Detecting gaps in one's knowledge and overcoming them through critical self-appraisal. Choosing the best path for broadening one's knowledge.
3. THIRD LANGUAGE. Learning a third language, preferably English, to a degree of oral and written fluency that fits in with the future needs of the graduates of each course.

TEACHING METHODOLOGY

The TFM is, usually an individual work, on a topic related to the contents of the master's degree. The work will be directed by at least one lecturer from the EPSEB and may be co-supervised by other UPC or external teaching staff (upon prior request to the center). The student must previously make a work proposal which briefly describes the methodology to be followed and the objectives to be achieved.

At the beginning of the work, the supervisor and the student will prepare a work plan, and during its development they will have regular meetings where the student will show the progress made and will ask any doubts that may arise so that the supervisor can guide the student. The TFM concludes with the presentation of a written document that will be defended in a public exhibition in front of a jury that will evaluate it.

LEARNING OBJECTIVES OF THE SUBJECT

The main goal of the TFM is to apply the knowledge acquired during the master's degree to develop an original work in one of the fields of specialisation of the master's degree. The performance of the TFM involves the drafting of a technical report and the public presentation of the results obtained.



STUDY LOAD

Type	Hours	Percentage
Guided activities	45,0	10.00
Self study	360,0	80.00
Hours small group	45,0	10.00

Total learning time: 450 h

CONTENTS

Area of management of the construction sector in which the TFM proposal is focused

Description:

Develop, present and defend an original work in front of a jury, in which the skills acquired in the master are synthesised, adopting the advances and novelties related to the subject of the proposal.

Full-or-part-time: 450h

Guided activities: 50h

Self study : 400h

GRADING SYSTEM

The TFM is evaluated by a panel of three UPC professors appointed for this purpose, which decides the final grade of the work. The presentation of the TFM by the student consists of an oral presentation of 20 minutes followed by some time to answer the questions of the panel.