

**COURSE DATA****Data Subject**

Code	45009
Name	Trabajo fin de máster
Cycle	Master's degree
ECTS Credits	12.0
Academic year	2022 - 2023

Study (s)

Degree	Center	Acad. year	Period
2250 - M.D. in Environmental Engineering	School of Engineering	2	First term

Subject-matter

Degree	Subject-matter	Character
2250 - M.D. in Environmental Engineering	9 - Trabajo fin de máster	End Labour Studies

Coordination

Name	Department
SECO TORRECILLAS, AURORA	245 - Chemical Engineering

SUMMARY

The Final Master's Project (TFM) is a compulsory subject that the student must take to obtain the Master's degree, once the rest of the credits of the study plan have been obtained. It must consist of carrying out a comprehensive project in the field of Environmental Engineering of a technical, professional or investigative nature, which must be presented and defended individually and publicly before a university tribunal, and whose objective is for the student to synthesize the contents and competencies acquired with the rest of the subjects and/or subjects that make up the study plan. It will always be developed under the supervision of a tutor who will guide the student in its preparation.

The organization, application, preparation, guardianship, presentation, defense, evaluation, and administrative management of the TFM is regulated by the regulations of the university and the center and what is established in the PROCEDURE FOR THE APPLICATION, PREPARATION AND DEFENSE OF THE FINAL MASTER'S PROJECT (https://www.uv.es/etsedoc/Masteres/MIA/Procedimiento_TFM.pdf)



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

OUTCOMES

2250 - M.D. in Environmental Engineering

- Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.
- Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.
- Students should communicate conclusions and underlying knowledge clearly and unambiguously to both specialized and non-specialized audiences.
- Students should demonstrate self-directed learning skills for continued academic growth.
- Students should possess and understand foundational knowledge that enables original thinking and research in the field.
- Identify, formulate and solve complex environmental engineering problems by applying engineering, scientific and mathematical principles.
- Apply environmental engineering designs to produce solutions that meet specific needs addressing public health, safety and welfare taking account of global, cultural, social, environmental and economic factors.
- Recognise the ethical and professional responsibilities of environmental engineering and make informed judgements considering the impact of engineering solutions in global, economic, environmental and social contexts.
- Learn and apply new knowledge, using appropriate learning strategies.
- Prepare and draft technical reports and/or environmental engineering projects considering technical, economic, social, energy and/or environmental aspects.
- Carry out tasks in the field of environmental engineering that synthesise and integrate the knowledge and skills gained in the master's degree course.



LEARNING OUTCOMES

- 1 Identify and state environmental problems.
- 2 Know how to carry out technical or research work in environmental engineering.
- 3 Plan, design and project solutions, whether they are management models or facilities to prevent and solve environmental problems.
- 4 Formalize a facility execution project or a research project in the field of environmental engineering.
- 5 Publicly defend the decisions made and the solutions adopted in the development of technical work or research in environmental engineering

DESCRIPTION OF CONTENTS

1. Elaboration of an original work in the field of Environmental Engineering by the student with the supervision of the project director.

WORKLOAD

ACTIVITY	Hours	% To be attended
Graduation project		100
Seguimiento i tutorización del Trabajo Fin de Máster	14,00	100
Presentación y defensa del Trabajo Fin de Máster	6,00	100
*Realización del Trabajo Fin de Máster	280,00	0
TOTAL	300,00	

TEACHING METHODOLOGY

Individual and original work carried out by the student and related to the use and development of the methodologies and techniques learned and the skills acquired.

EVALUATION

Once the defense of a TFM is approved, the TFM Subcommittee will appoint an evaluation court made up of a president and two members. In the act of defense of the TFM the tutor may be present, with voice but without vote.



The dates for the defenses of TFM will be made public on the website and will be communicated via email to students, tutors and teachers, who will be attached the title, the composition of the court, the time and place of the defense. The call will be made at least 7 calendar days before the date of the defense. The defense will consist of a 20-25 minute public presentation of the work carried out, which will be followed by a question time by the court for another 20-25 minutes. In any case, the evaluation system will be governed by the provisions of the Regulation of Evaluation and Qualification of the University of Valencia for Grau i Màster degrees (<http://links.uv.es/7S40pjF>)