

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

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|----------------------|------------------------|
| Code | 43828 |
| Name | Master's final project |
| Cycle | Master's degree |
| ECTS Credits | 12.0 |
| Academic year | 2022 - 2023 |

Study (s)

| Degree | Center | Acad. year | Period |
|-----------------------------------------------------|-----------------------|-------------------|---------------|
| 2227 - Master's Degree in Environmental Engineering | School of Engineering | 2 | Annual |

Subject-matter

| Degree | Subject-matter | Character |
|-----------------------------------------------------|-----------------------------|--------------------|
| 2227 - Master's Degree in Environmental Engineering | 10 - Master's final project | End Labour Studies |

Coordination

| Name | Department |
|--------------------------------|----------------------------|
| SECO TORRECILLAS, MARIA AURORA | 245 - Chemical Engineering |

SUMMARY

The Master's Final Project (TFM) is a compulsory subject that the student must complete to obtain the Master's degree, once the rest of the credits of the syllabus are obtained. It must consist of carrying out a comprehensive project in the field of Environmental Engineering of a technical, professional or research nature, which must be presented and defend individually and publicly before a university court, whose purpose is that the student summarize the contents and competences that have been acquired with the rest of subjects and / or subjects that make up the curriculum. It will always be developed under the supervision of a tutor who will guide the student in their elaboration.

The organization, application, preparation, guardianship, presentation, defense evaluation, and administrative management of the TFM are regulated by the regulations of the university and the center and established in the PROCEDURE FOR THE APPLICATION, DEVELOPMENT AND DEFENSE OF THE FINAL MASTER 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

No restrictions.

COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

2227 - Master's Degree 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 and apply technologies, tools and techniques in the field of environmental engineering.
- Assume with responsibility and ethics the Environmental Engineer role in a professional context.
- Promote and apply the principles of sustainability.
- Adapt to changes, being able to apply the principles of Environmental Engineering to unknown cases and use new and advanced technologies and other relevant developments, with initiative and entrepreneurial spirit.
- Be able to organize their own work as well as the material and human resources necessary to achieve the objectives stated.
- Make decisions taking into account technical, economic, social, energy and environmental aspects from a global point of view.
- Elaborar y redactar informes técnicos y/o proyectos de Ingeniería Ambiental.

LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)



Specific competences of the TFM

- Make decisions considering globally technical, economic, social, energy and environmental aspects.
- Prepare and write technical reports and / or Environmental Engineering projects.

Learning outcomes

- 1 Identify and enunciate environmental problems.
- 2 Know how a technical or research work in environmental engineering is carried out.
- 3 Plan, design and project solutions, either 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 a technical or research work in environmental engineering.

DESCRIPTION OF CONTENTS

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

WORKLOAD

| ACTIVITY | Hours | % To be attended |
|------------------------------------------------------|---------------|------------------|
| Graduation project | | 100 |
| *Realización del Trabajo Fin de Máster | 275,00 | 0 |
| Seguimiento i tutorización del Trabajo Fin de Máster | 24,00 | 0 |
| Presentación y defensa del Trabajo Fin de Máster | 1,00 | 0 |
| TOTAL | 300,00 | |

TEACHING METHODOLOGY

Individual and original work done by the student and related to the employment and development of the methodologies and techniques learned and the competences acquired in the field of Environmental Engineering.

EVALUATION

After the defense of a TFM has been approved, the TFM Subcommittee will appoint an evaluation tribunal composed 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, to which the title, the composition of the court, the time and place of the defense will be attached. The call will be made at least



7 calendar days before the date of the defense. The defense will consist of a public exhibition of the work carried out for 20-25 minutes, 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 Appraisal and Qualification of the Universitat de València per a títols de Grau i Màster (<http://links.uv.es/7S40pjF>).

