

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

<b>Code</b>	45008
<b>Name</b>	Prácticas externas
<b>Cycle</b>	Master's degree
<b>ECTS Credits</b>	6.0
<b>Academic year</b>	2023 - 2024

**Study (s)**

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

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
2250 - M.D. in Environmental Engineering	8 - Prácticas externas	External Practice

**Coordination**

<b>Name</b>	<b>Department</b>
MARTI ORTEGA, NURIA	245 - Chemical Engineering

**SUMMARY**

Academic tutor at the UPV: Joaquín Serralta Sevilla

External Internships is an optional subject in the second year of the Master's in Environmental Engineering. The External Internships aim to: 1. Get in touch with working, professional and/or research life. 2. Solve problems related to environmental engineering applying the knowledge acquired. 3. Acquire the ability to work in a team. 4. Make decisions based on the knowledge acquired.

The Academic Commission of the Master, together with the academic tutors of the UV and UPV practices, is in charge of maintaining a pool of places that are offered to students based on the chosen specialty: - WWTP Management - Environmental Management in Engineering Civil - Environmental Management in Industry. Students also have the option of proposing the place of stay to the academic tutor, who will evaluate the activity of the company/organization, as well as the tasks to be carried out, in order to establish their relationship with the field of environmental engineering.



In this subject, students will carry out a minimum of 120 hours of internships in a company, institution or research center, in addition to 30 hours of individual work to carry out a detailed report of the work carried out.

## 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.
- 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.
- Work in a team effectively and with leadership, in a collaborative and inclusive environment, setting goals, planning tasks and meeting objectives.
- Learn and apply new knowledge, using appropriate learning strategies.
- 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 Get in touch with working, professional and/or research life.
- 2 Solve problems related to environmental engineering applying the knowledge acquired.
- 3 Acquire the ability to work in a team.
- 4 Make decisions based on the knowledge acquired.

## DESCRIPTION OF CONTENTS

1. Carrying out internships in a company, institution or research center.

## WORKLOAD

ACTIVITY	Hours	% To be attended
Internship		100
Development of individual work	30,00	0
Internship	120,00	0
<b>TOTAL</b>	<b>150,00</b>	

## TEACHING METHODOLOGY

Consists in:

- External internships: During the internships, the student will apply the concepts and skills acquired during the master's degree. The work plan in the company/institution must be in accordance with the student's specialty (WWTP Management, Environmental Management in Industry or Environmental Management in Civil Engineering). Specifically, the WWTP Management specialty is required to carry out internships in a WWTP performing tasks as deputy plant manager.
- Elaboration of individual works: It will consist of the realization of a memory of practices that reflects the work carried out. This task will be carried out individually, promoting the autonomous work of the student. The student will be provided with an orientation script for carrying out the report.

The e-learning platform (Virtual Classroom of the University of Valencia and/or PoliformaT of the Polytechnic University of Valencia) will be used as support for communication with students.



## EVALUATION

The evaluation of the external internships will be carried out through a memory in which the student will present the work carried out, which represents 90% of the grade, and the assessment surveys filled out by the company tutor, which represents 10%. remaining. In any case, the assessment system will be governed by the provisions of the Assessment and Qualification Regulations of the University of Valencia for Grau and Màster degrees (<http://links.uv.es/7S40pjF>).