

G795 – Wastewater Treatment

Technical data:

Couse type: Optative
Semester: Eightieth (4^º course, second semester)
Language: English
Teachers: Dr. Raquel Ibáñez; Dr Marcos Fallanza; Dr. Henar Samaniego

Why is important to be enrolled in this course?

- **Spanish companies** are world leaders in Water Treatment business.
- There is an **important job market** for chemical engineers in this area.
- Some of the most relevant chemical processes and technologies find a **useful application** in this field.
- This course provides the basic knowledge on wastewater treatment necessary to be able to attend successfully **postgraduates courses** related to wastewater treatment, new water sources, desalination, sustainable management of water resources, etc.
- This course provides **practical training in wastewater characterization** (3.0 ECTS)
- Additionally, this **course is recognized for the accreditation of the UC English linguistic training**.



Course objective

At the end of the semester the student should be able to:

- **Conceptualize** Conventional and advanced wastewater treatment processes.
- **Design** of different WWTP stages: primary, secondary tertiary treatment.
- **Perform and inform** analytical procedures for water and wastewater characterization
- **Discriminate alternatives** for water treatment and desalination using technical, economical and sustainability criteria.

Related courses:

G1630. Integración de Procesos Químicos.
G1629. Tecnologías Avanzadas de Separación
G787. Advanced Separation Processes
G1636. European Project Semester

Ask for more information: Dr. Raquel Ibáñez (ibanezr@unican.es)