

## PROCESSES AND INSTALLATIONS FOR WATER RESOURCES

**Responsible professor: ROSARIO SOLERA DEL RÍO**

**Credits: 5,0 ECTS**

Brief description of the contents:

- General outline of a drinking water treatment plant (DWTP) and a wastewater treatment plant (WWTP).
- Physical unit operations
- Chemical physical operations
- Biological (biochemical) unit processes. Aerobic and anaerobic biological processes
- Extensive or low cost technologies for small communities
- Membrane technologies
- Nutrient removal
- Industrial wastewater treatment
- Treatment, recovery and management of sewage sludge

Evaluation system:

SYSTEM	WEIGHT
Final exam	40 – 60
Written essays	40 – 60
Presentation of exercises, topics and projects	0 – 30
Laboratory practices and/or practice report	0 – 30