

WATER QUALITY: LEGISLATION AND INDICATORS

Responsible professor: ROCÍO RODRÍGUEZ BARROSO

Credits: 2,5 ECTS

Brief description of the contents:

- European guidelines. Water Framework Directive
- Regulation for water supply
- Regulation for discharges to the aquatic environment
- Regulations for other water uses: bathing. Agriculture, industrial, subterranean
- Development of monitoring plans for water resources
- Indicators for assessing water mass quality

Detailed programme:

LEARNING BLOCK	TOPIC OR ACTIVITY
B1	SUBJECT PRESENTATION European legal framework for water quality.
B2	Regulation for water supply (I).
B3	Regulation for water supply (II). Case studies.
B4	Regulation for water quality. Bathing water. Regulation for water reuse.
B5	Physicochemical indicators of water quality.
B6	Regulation for discharges to the aquatic environment: urban and industrial wastewater. Search for and read the Royal Decree 509/1996 of the 15 th of March, which develops the Royal Decree-Law 11/1995 of the 28 th of December, that establishes the applicable regulations to urban wastewater.
B7	Regulation for discharges to the aquatic environment. Case study (I). Estimation of dumping tax.
B8	Regulation for discharges to the aquatic environment (II). Submarine outfalls.
B9	Monitoring plans for water resources. Case studies.
AAD	RESOLVING CASE STUDIES. Territorial Delegation of Environment in Cádiz. Water Quality Service.

Evaluation system:

SYSTEM	WEIGHT
Final exam	0 – 50
Written essays	0 – 60
Presentation of exercises, topics and projects	40 – 100
Laboratory practices and/or practice report	0