

WATER POLLUTION

Responsible professor: PABLO LARA MARTÍN

Credits: 2,5 ECTS

Brief description of the contents:

- Influence of physicochemical properties on the behaviour of contaminants in the environment
- Processes which determine the transport, distribution and destination of contaminants in the environment
- Distribution models for the assessment of contaminants in aquatic systems
- Main types and sources of water pollution
- Thermal and radioactive pollution
- Nutrient and organic matter pollution
- Heavy metal pollution
- Organic compound pollution
- Microbiological pollution

Detailed programme:

LEARNING BLOCK	TOPIC OR ACTIVITY
B1	Main sources of water pollution. Urban, industrial and agricultural wastewaters.
B2	Thermal pollution.
B3	Microbiological pollution.
B4	Litter pollution.
B5	Organic compound pollution (I).
B6	Organic compound pollution (II).
B7	Influence of physicochemical properties on the environmental behaviour of substances.
B8	Processes which determine contaminant behaviour in aquatic systems (I).
B9	Processes which determine contaminant behaviour in aquatic systems (II).
AAD	Distribution models for the assessment of the destination of chemical compounds in aquatic systems.

Evaluation system:

	SYSTEM	WEIGHT
	Final exam	40 – 60
	Written essays	40 – 60
	Presentation of exercises, topics and projects	20 – 40
	Laboratory practices and/or practice report	0