

Module Layout

XMΠ614: Monitoring and assessment of aquatic pollution

Faculty	Code	Faculty of Pure and Applied Sciences	
Programme of Study	XMΠ	Sustainable Environmental Engineering	
Module	XMΠ614	Monitoring and assessment of aquatic pollution	
Level of Study	Undergraduate	Graduate	
		Master	Doctoral
		X	
Language of Instruction	Greek		
Mode of Delivery	Distance		
Module Type	Required		Electives
			X
Number of Group Consulting Meetings	Total	Physical Presence	Online
	13	0	13
Number of Assignments	1		
Final Grade Calculation	Assignments	Weekly Activities	Final Exam
	30 %	10 %	60 %
Number of European Credit Transfer System (ECTS)	5		

Module Description

The Course aims at providing integrated knowledge on pollution processes in aquatic ecosystems, and to offer comprehensive knowledge of the chemical quality parameters of aquatic ecosystems (surface, underground and marine waters). Pollutants will be examined in relation to: (i) their sources (natural and man-made), (ii) their transport routes from the sources to the aquatic ecosystems, (iii) the chemical transformations that the pollutants undergo during their transport and remain in the aquatic environment and (iv) their effects on the aquatic environment, ecosystems and human health. Also, since the study of pollution of aquatic ecosystems requires the implementation of monitoring programs and the use of methods for assessing the quality of aquatic ecosystems, the course presents how to design pollution monitoring programs as well as methods for assessing the environmental quality of aquatic ecosystems, taking into account the existing relevant European Directives.

Pre-requisite Modules

Not applicable

Co-requisite Modules

Not applicable

Grading Scheme

Assessment Method	Percentage on Final Grade	Workload	
		Hours	ECTS
Weekly Study 13 weeks * ~11 study hours		60-80	2.5
Weekly Interactive Activities 13 weeks * ~1 hour of work	10%	~13	0.5
Assignment	30 %	30 - 50	2.0
Final/Repeat Examination	60 %	3	--
Total	100%	100-150	5

Grading Rules and Assessment methods

- Students are evaluated with 10, if they earn 100% of the possible grade.
- Students are evaluated with 9, if they earn 90% of the possible grade, i.e. $90\% \times 10 = 9$, etc.
- Passing rate
 - 50% of the Assignment
 - 50% of the Interactive Activities
 - Students are allowed to participate in the final exam of a Module if they have overall earned the minimum grade ($\geq 50\%$) in both their Assignment and Interactive Activities
 - 50% of the Final exam

If a student earns a grade with decimal points, then it is rounded to the nearest half unit.