

Module Layout

XMΠ612: The Climate Adaptation Nexus – Ethics

Faculty	Code	Faculty of Pure and Applied Sciences	
Programme of Study	XMΠ	Sustainable Environmental Engineering	
Module	XMΠ612	Climate Adaptation Nexus – Ethics	
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

Considering the ethical dimensions of climate change the course aims to analyze the nexus of climate adaptation and the application of engineering approaches and sustainable solutions to be adopted by the industry that is responsible for a large part of climate change, the construction sector, buildings, in agricultural production, etc. At the same time, measures will be proposed for adaptation from all sectors of the economy such as the primary sector, the secondary sector (with an emphasis on the manufacturing sector), the tertiary sector (such as transport, retail trade, etc.). Measures such as infrastructure projects aimed at combating desertification, erosion, protection against sea level rise, soil metabolism, transformation of food and crop production, changes in people's behavior, reckless waste of resources, etc. will form the core of the course.

The aim of the course is to prepare individuals and the economy to adapt the current and future effects of climate change. At the same time, the ethical dimension of how humans and the economy should adapt to climate change will be examined.

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.