

1. GENERAL

SCHOOL	PUBLIC HEALTH		
DEPARTMENT	PUBLIC HEALTH POLICY		
LEVEL OF STUDY	MASTERS		
LESSON CODE	EPY 7	SEMESTER	A'
COURSE TITLE	ENVIRONMENTAL QUALITY ASSESSMENT		
RESPONSIBLE	OLGA CAVOURA ASSOCIATE PROFESSOR		
	HOURS PER WEEK	CREDITS	
	3	6	
COURSE TYPE	GENERAL		
PREREQUISITES	NONE		
TEACHING AND EXAMS	ENGLISH		

2. TEACHING OUTCOMES

The aim of the course in Environmental Quality Assessment is to give students:

- a general understanding of the natural environment
- knowledge of the main environmental threats
- an understanding of the importance of environmental quality assessment for the protection of the environment and human health.

3. COURSE CONTENT

- Introduction to environmental systems
- The concept of biogeochemical cycling
- The effect of man on the environment
- Pollution sources, pollutants and environmental effects
- The aquatic environment. The properties of water and natural water systems
- The effect of man on the aquatic environment, water quality assessment
- The atmospheric environment. Air pollution and climate change
- The soil environment. The importance of soils and plants
- The effect of man on the soil environment, soil quality assessment
- Environmental sampling and monitoring
- Environmental assessment- Interpreting results
- Remediation strategies
- The importance of policies for environmental and human health protection

4. SUGGESTED READING

1. Environmental Science, G. Tyler Miller, Scott Spoolman, Danielle M. Andrews-Brown, 17th Edition, 2025.