

## MODULE DESCRIPTION

### General

School	Geotechnical Sciences
Department	Forest and Natural Environment Sciences

### Module Information

Title	Ecosystem-based approaches to mitigate climate change impacts
Course Code	OPT. 40
Level of Studies	Bachelors
Teaching Period	9 <sup>th</sup> Semester
Attendance Type	Elective (optional)
Prerequisites	-

Orientation	Weekly Hours		Year	Semester	ECTS
	Lectures	Laboratory work			
Management, protection of natural resources and climate change	2	1	5 <sup>th</sup>	9 <sup>th</sup>	3

### Faculty Instructor

\_\_\_\_\_ George Zaimes – Assistant Professor \_\_\_\_\_

### Type of Module

- General Foundation
- Specific Foundation / Core
- Knowledge Deepening / Consolidation

### Mode of Delivery

- Face to face
- Distance learning

### Digital Module availability

- E-Study Guide
- Departments Website
- E-Learning

### Language

	Teaching	Examination
Greek	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
English	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Erasmus

- The course is offered to exchange programme students

## Learning Outcomes

The course teaches the basic ecosystem-based approaches for the proper management of ecosystems that will help mitigate the impacts of climate change.

The purpose of the course is to learn the basics of ecosystem-based approaches, their proper application and their use to mitigate the effects of climate change.

Upon successful completion of the course the student will be able to:

- Recognize basic ecosystem-based approaches
- Apply basic ecosystem-based approaches
- Develop plans with ecosystem-based approaches to mitigate the impacts of climate change
- Able to mitigate the impacts of climate change

## List of General Competences

- Apply knowledge in practice
- Work autonomously
- Work in teams
- Work in an international context
- Work in an interdisciplinary team
- Respect natural environment
- Advance free, creative and causative thinking

## Module Content (Syllabus)

Ecosystems and the services they offer, ecosystem-based approaches applied to the Mediterranean, advantages and disadvantages of ecosystem-based approaches compared to other management systems, use of ecosystem-based approaches to mitigate climate change impacts, use of climate change mitigation plans

Keywords: Ecosystem-based approaches, ecosystems, climate change, impact mitigation

## Educational Material Types

- Book
- Notes
- Slide presentations
- Video lectures
- Multimedia
- Interactive exercises
- Other:

## Use of Information and Communication Technologies

- Use of ICT in Course Teaching
- Use of ICT in Laboratory Teaching
- Use of ICT in Communication with Students
- Use of ICT in Student Assessment

### Module Organization

Please fill in the workload of each course activity

Course Activity	Workload (hours)
Lectures	25
Laboratory work	25
Field Trip/Short Individual Assignments	25
Independent Study	-
<b>Total</b>	<b>75</b>

\* 1 ECTS unit corresponds to 25 hours of workload

### Student Assessment Methods

- Written Exam with Multiple Choice Questions
- Written Exam with Short Answer Questions
- Written Exam with Extended Answer Questions
- Written Assignment
- Report
- Oral Exams
- Laboratory Assignment

### Suggested Bibliography (Eudoxus and additional bibliography)

1. Weekly notes will be provided
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