MODULE DESCRIPTION

General

School	Geotechnical Sciences
Department	Forest and Natural Environment Sciences

Module Information

Title	Protecting Sensitive Ecosystems from Climate Change
Course Code	OPT.31
Level of Studies	Bachelors
Teaching Period	8th Semester
Attendance Type	Elective (optional)
Prerequisites	-

Orientation	Weekly Hours		Year	Semester	ECTS
	Lectures	Laboratory work			
Biodiversity ecology and conservation	2	1	4th	8th	3

Faculty Instructor

_____ George Zaimes – Assistant Professor / Dimitrios Emmanouloudis – 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	☑	☑
English	☑	☑

Erasmus

☐ The course is offered to exchange programme students

Learning Outcomes

The course teaches the main ecosystems that are most sensitive to the impacts of climate change and their protection methods.
Upon successful completion of the course the student is:

- Aware of the potential impacts of climate change on a natural ecosystem
- Which ecosystems are most susceptible to changes due to climate change
- Propose ways to protect these sensitive ecosystems

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)

Overall, about climate change, possible impacts of climate change on natural ecosystems, which natural ecosystems are most vulnerable to climate change, analysis of the characteristics of sensitive ecosystems, what are the most sensitive and how we will identify the possible impacts and how-to protect these sensitive ecosystems from the effects of climate change

Keywords: Climate change, Sensitive ecosystems, Characteristics of sensitive ecosystems, Ways of protection

Educational Material Types

☐ Book

☑ Notes

☑ Slide presentations

☐ Video lectures

☑ Multimedia

☑ Interactive exercises

☐ Other:

Use of Information and Communication Technologies

- [x] Use of ICT in Course Teaching
- [x] Use of ICT in Laboratory Teaching
- [x] Use of ICT in Communication with Students
- [x] 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	-
Total	**75**

* 1 ECTS unit corresponds to 25 hours of workload

Student Assessment Methods

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

Suggested Bibliography (Eudoxus and additional bibliography)

1. Weekly notes will be provided