

MODULE DESCRIPTION

General

School	Geotechnical Sciences
Department	Forest and Natural Environment Sciences

Module Information

Title	Indicators to detect climate change
Course Code	Opt.41
Level of Studies	BACHELORS
Teaching Period	9 th Semester
Attendance Type	Elective (optional)
Prerequisites	Meteorology – Climatology – Climate Change

Orientation	Weekly Hours		Year	Semester	ECTS
	Lectures	Laboratory work			
Management, protection of natural resources and climate change	2	1	5 th	9 th	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 ways of recognizing the impacts of climate change on various natural ecosystems in Greece.

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

- Understand the potential impacts of climate change on various natural ecosystems
- identify the first features (Indicators) that occur in different ecosystems due to climate change
- Propose the best indicators to recognize the impacts of climate change on different natural ecosystems
- Propose ways to address the impacts of climate change on various natural 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)

What environmental indicators are, what is their importance, what are their advantages and disadvantages in managing the effects of climate change, important indicators for various natural ecosystems in Greece, proper use of indicators, recommendations for dealing with the effects of climate change in various natural ecosystems using indicators

Keywords: Climate Change, Indicators, Effects of Climate Change, Mitigation Methods

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	
Total	75

* 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
