

MODULE DESCRIPTION

General

School	Geotechnical Sciences
Department	Forest and Natural Environment Sciences

Module Information

Title	Geobotany
Course Code	Opt.37
Level of Studies	Undergraduate
Teaching Period	Winter Term
Attendance Type	Elective Compulsory
Prerequisites	Systematic Botany – Forest Botany

Orientation	Weekly Hours		Year	Semester	ECTS
	Lectures	Laboratory work			
ECOLOGY AND BIODIVERSITY CONSERVATION	2		5	9	3

Faculty Instructor

TSIFTSIS SPYRIDON

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 type="checkbox"/>	<input type="checkbox"/>

Erasmus

- The course is offered to exchange programme students

Learning Outcomes

Upon successful completion of the course, students will learn about the following:

- Evolution of plant organisms in the various geological eras.
- Plant adaptations to the differentiated environment.
- Glacial periods and extinction of plant species.
- Movements of plant species over the geological periods.
- Endemism.
- Floristic Kingdoms – Vegetation Formations.

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)

Historical Geobotany. Plates tectonic. Geological centuries and their connection with the main evolutionary adaptations of plants to environmental conditions. Glacier period and post-glacial distribution and expansion of the main forest tree species. Methods of researching the post-glacial spread of species. Floristic Geobotany. Endemism. Floristic kingdoms. Floristic areas of the European continent. Vegetation formations

Keywords

Geobotany, Evolution, Geological Centuries, Glaciers, Geology, Floristic Kingdoms, Vegetation formations

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	26
Field Trip	6
Independent Study	40
Examination	3
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)

- Tsiftsis, S. 2020. Lessons in Geobotany. Teaching Notes (In Greek)
- Scientific papers and books available through the library of the Department