MODULE DESCRIPTION

General

School	Geotechnical Sciences
Department	Forest and Natural Environment Sciences

Module Information

Title	NURSERY ORGANIZATION AND MANAGEMENT
Course Code	OPT.24
Level of Studies	UNDERGRADUATE
Teaching Period	WINTER TERM
Attendance Type	ELECTIVE COMPULSORY
Prerequisites	NONE

Orientation	Weekly Hours		Year	Semester	ECTS
	Lectures	Laboratory work			
LANDSCAPE ARCHITECTURE AND RESTORATION	2	1	4	7	3

Faculty Instructor

Academic grand-holder

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 student will know, understand and be able to apply the practices and techniques related to the subject of nursery organization and management after the successful completion of the learning process. He is expected to acquire the following knowledge, skills and abilities.

KNOWLEDGE
The student will be able to:
• Formulates and discusses the basic principles, theories and practices of nursery organization and management.
• Identifies, compares and selects modern and innovative methods and practices for nursery organization and management.
• Collects data on nursery organization and management (e.g. seed selection, seed control, artificial dispersal stands, artificial planting stands, production and identification of high-quality propagating material, establishment of forest nurseries, irrigation, protection, fertilization, reforestation plans) in the field and in the laboratory.
• Analyzes and correlates data and draws conclusions about nursery organization and management based on the data.

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)

Purpose of reforestation. Basic principles observed during reforestation. Selection and control of seed material. Methods of artificial establishment of clusters. Artificial establishment of stands by seeding. Artificial establishment of stands by planting. Seedling production-Forest nurseries. Selection of a site for the establishment of a forest nursery. Forest nursery plan. Production of bare root seedlings. Irrigation of forest nurseries. Care and protection of seedlings. Extraction, packaging and transport of seedlings. Extraction, packaging and transport of seedlings. Preservation of plants. Production of seedlings after rooting. Production of seedlings and saplings. Fertilization of nurseries. Reforestation plan.

Key words: seed selection, seed control, artificial dispersal stands, artificial planting stands, seedling production, forest nursery establishment, irrigation, protection, fertilization, reforestation plan

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
Laboratory work	13
Field Trip/Short Individual Assignments	20
Independent Study	16
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. Reforestation - Forest Nurseries, (Book Code in Eudoxos: 8653). Dafis Sp., Hatzistathis ATH. Yahoudi Publications I.K.E.