

## MODULE DESCRIPTION

### General

School	Geotechnical Sciences
Department	Forest and Natural Environment Sciences

### Module Information

Title	Landscape Architecture
Course Code	B.Y.6
Level of Studies	Undergraduate
Teaching Period	Spring Term
Attendance Type	Compulsory
Prerequisites	None

Orientation	Weekly Hours		Year	Semester	ECTS
	Lectures	Laboratory work			
LANDSCAPE ARCHITECTURE AND RESTORATION	2	3	1	2	5

### Faculty Instructor

IOANNIS TAKOS

### 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

Landscape Architecture is essentially a scientific discipline with strong interdisciplinary characteristics. Within the framework of landscape architecture, the sciences of urban, forest and meadow ecology, architecture, botany etc. are met. This course aims to be an introduction to the most specialized courses that follow and complement the discipline of Landscape Architecture, such as Urban Forestry, Landscape Restoration, Landscape Analysis and Composition, Wood and Urban Green, Ornamental Plants. Upon completion of the course the student will know: the historical evolution of Landscape Architecture from antiquity until today. What are the most important trends in Europe and abroad in small-scale landscape design (Gardening). The differences but also similarities between natural and man-made landscapes and the principles that govern them. Concepts such as form, texture, color, structure, function, proportion, scale and place. Analysis, evaluation, central design idea, organization, location, design. Outdoor residential and urban space design approaches.

## 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)

- Landscape architecture in the ancient world, in the Middle Ages, in the Renaissance, 19th and 20th century
- Definitions of landscape, landscape architecture and aesthetic forests.
- Natural optical resources.
- Natural and man-made landscapes.
- Adaptation of technical works and constructions to the natural landscape.
- Visual vulnerability (sensitivity) of the landscape.
- Visual analysis and composition of natural landscapes.
- Improvement and Management of natural landscapes.
- Visual improvement of aesthetics and other degraded forests and forest ecosystems.
- Transient vegetation.
- Aesthetic reforestation design.
- Ecological factors that must be taken into account in the design (landscape, climate, soil, water, vegetation, terrain).
- Land design. View, traffic and access. Structures and houses. Community-level design. Preliminary plans

### 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	39
Field Trip/Short Individual Assignments	20
Independent Study	40
<b>Total</b>	125

\* 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. Τσαλικίδης Ι. (2008) Αρχιτεκτονική τοπίου. Εκδόσεις Επίκεντρο Α.Ε.
2. Holden, R., Liversedge, J. (2014) Landscape Architecture, An Introduction. Laurence King Publishing
3. Dramstad, W., Olson, J. D., Forman, R. T. T. (1996) Landscape Ecology Principles in Landscape Architecture and Land Use Planning. Island Press.