

MODULE DESCRIPTION

General

School	Geotechnical Sciences
Department	Forest and Natural Environment Sciences

Module Information

Title	Landscape Analysis and Synthesis
Course Code	C.Y.5
Level of Studies	Undergraduate
Teaching Period	Autumn Term
Attendance Type	Compulsory
Prerequisites	

Orientation	Weekly Hours		Year	Semester	ECTS
	Lectures	Laboratory work			
LANDSCAPE ARCHITECTURE AND RESTORATION	2	3	2	3	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 Analysis constitutes the foundation of an effective design, as in this phase all the elements that make up a landscape (natural and man-made) are recorded and the role they play in the overall operation of the landscape is analyzed. At the same time, their future role after the implementation of the landscape design is analyzed. Also, in this phase are analyzed the limitations set by some of the synthetic and structural elements of the landscape but also the opportunities that they create and the possibilities that they provide in the design. Upon completion of the course the student will be able to identify and record the various synthetic elements of the landscape, their role in shaping the spatial pattern and the overall operation of the landscape. Will know basic methods and approaches of landscape analysis, will also be able to synthesize all the elements of the landscape in a complete preliminary design at master-plan level.

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)

- Spatio-temporal recording and evaluation of environmental and anthropogenic factors
- Structure, function-change and way of perceiving the landscape.
- Landscape analysis methodology.
- Landscape identity (location, character of the area correlations-zones of influence, historical-cultural elements, social-demographic elements).
- Anthropogenic factors (land uses, traffic networks, building background, urban equipment, infrastructure networks, legal restrictions).
- Environmental factors (topography, hydrology, soil, vegetation, microclimate). Perception-use of landscape (views, sense of space, noise-smells, use of space, movement-access).
- Design. Conceptual design, preliminary design, Master Plan, design implementation.

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
Total	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)

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| 1. Γοσποδίνη Α. & Μπεριάτος Η. (2006) Τα νέα αστικά τοπία, και η ελληνική πόλη. Εκδόσεις ΚΡΙΤΙΚΗ ΑΕ. |
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