

COURSE OUTLINE

1. GENERAL

INSTITUTION	University of Thessaly		
SCHOOL	Technology		
DEPARTMENT	Forestry, Science of Wood and Design		
LEVEL	<i>Undergraduate</i>		
CODE	ΔΠΕ771	STUDENT SEMESTER	7 ^ο
COURSE TITLE	URBAN- SUBURBAN GREEN		
ACTIVITIES		WEEKLY HRS	ECTS
	THEORETICAL PART	3	
	TOTAL	3	6
TYPE OF COURSE	Elective-Major		
PREREQUISITES:	NO		
LANGUAGE TEACHING AND EXAMINATION:	Greek		
THE COURSE OFFERED TO STUDENTS ERASMUS	NO		
WEBPAGES COURSE (URL)	It is expected, according to the structural instructions provided by the University of Thessaly.		

2. LEARNING OUTCOMES

Learning Outcomes
<p>Knowledge: To provide to the graduate of the Department with the necessary educational background regarding the need, the planning and completion of projects related to urban and suburban green by taking into account the needs of the city dwellers and the environmental sustainability.</p> <p>Skills: To provide to the student the basis for a more complete understanding of the issues related to the installation, development and management of forestry species in and around the cities, in order to improve the ecological conditions and improve the life quality of life of its citizens.</p> <p>Abilities: In this way the student will be able to report and decode the differentiated ecological conditions of the cities and around them, to describe and understand the effects of the urban and suburban green in the city, to select the appropriate species for the implementation of phytotechnical actions in and around cities, to assess the existing vegetation in and around a city and to propose measures for its management.</p>
General Skills
<ul style="list-style-type: none"> • Search, analysis and synthesis of data and information, through the use the necessary technologies • Decision making • Promoting free, creative and inductive thinking • Adaptation to new situations • Production of new research ideas • Respect for the natural environment • Design and management of projects

3. COURSE CONTENT

Introduction and basic definitions. Ecological peculiarities of a city. Impact of trees and urban greenery in general at the city. Selection of suitable species in the cities depending on the

applied purpose. Measures to improve the growth conditions of trees in the cities. Maintenance of the city tree. Management, handling and care of street trees. Management of urban parks - groves. Architecture of urban parks and groves. Automatic watering systems - watering parks and groves.

4. TEACHING AND LEARNING METHODS - EVALUATION

DELIVERY METHOD	Application of combined, educational methods and techniques aiming to enhance the active participation of students and that give the greatest possible effectiveness to "in person" teaching: Enriched presentation, questions - answers, discussion, working groups.	
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES	Use, with flexibility and alternatively, ICT monitoring tools: PC (multimedia PC), video data projector, video presentation stand, internet, asynchronous platform distance learning (e-class).	
MANAGEMENT OF TEACHING	Activity	Semester Workload
	Lectures	60
	Independent Study	90
	Course Total (25 hours of workload per credit unit)	150
STUDENT EVALUATION	The evaluation of the course is done at the end of the semester with written exams. The process of the final exams is the standard that is followed by all the courses of the Department. In agreement with the students, the evaluation of the course can be done with progress exams that will be conducted upon an agreed date within the semester, according to the program of the Department.	

5. RECOMMENDED-BIBLIOGRAPHY

Συγγράμματα εκτός Ευδόξου

- Ντάφης Σ. 2001. Δασοκομία Πόλεων. Θεσσαλονίκη: ΧΑΡΙΣ ΕΠΕ.
- Konijnendijk C.C., K. Nilsson, T.B. Randrup and J. Schipperijn. 2005. Urban Forests and Trees: A Reference Book. Springer, Berlin.
- Miller R.W. 1997. Urban Forestry: Planning and Managing Urban Greenspaces. Prentice Hall, New York, 502 p.
- Blum J. 2016. Urban Forests: Ecosystem Services and management. Apple Academic Press, 316 p. Combined notes and texts from various sources.