

COURSE OUTLINE

1. GENERAL

SCHOOL	School of Technology		
DEPARTMENT	Department of Forestry, Wood Sciences and Design (Karditsa)		
LEVEL	<i>Undergraduate</i>		
CODE	ΔΠΥ811	STUDENT SEMESTER	7th
COURSE TITLE	Forest phytosociology		
ACTIVITIES		WEEKLY HRS	ECTS
Lectures		2	6
Exercises		1	
<i>Total</i>		3	6
TYPE OF COURSE	Generic knowledge and Skills Development		
PREREQUISITES:	none		
LANGUAGE TEACHING AND EXAMINATION:	Greek		
THE COURSE OFFERED TO STUDENTS ERASMUS	No		
WEBPAGES COURSE (URL)			

2. LEARNING OUTCOMES

Learning Outcomes	
<p>The course aims to provide the students with the necessary cognitive background that will enable them to understand in depth the general phytosociological principles, the methods of analyzing plant stands, the definition of phytosociological units, as well as to acquire the ability to classify the forest vegetation in Greece and to be able to apply the techniques of phytosociology in forestry practice.</p> <p>Upon successful completion of the course, the student should be able to:</p> <ul style="list-style-type: none"> • understand the basic principles and concepts of Forest Phytosociology and the study of plant communities (structure and floristic composition), through a hierarchical system of classification. • identify forest vegetation zones and their subdivisions in the field. • know the possibilities of succession and evolution of vegetation, as well as the methods of approach with scientific criteria. • apply phytosociological techniques in forest and rangeland management. • make use of the knowledge and skills acquired through the course, into other relevant fields provided by the Department's curriculum. 	
General Skills	
<ul style="list-style-type: none"> • Adaptation to new situations. • Generation of new research ideas. • Autonomous work • Respect for the natural environment. • Decision making. • Promotion of free, creative and inductive thinking. 	

3. COURSE CONTENT

Lectures (2 hours/week)

- Evolution and knowledge field of Phytosociology.
- Study of plant stands. Division of vegetation and its units, with physiognomic criteria.
- Vegetation formations, natural habitat types, vegetation classification - Forest vegetation zones in Greece.
- Relevés, cover-abundance of species.
- Study of structure and floristic composition of plant communities.
- Interpretation of vegetation units with floristic criteria, the Braun-Blanquet method
- Synchronology. Applications of Phytosociology to forest and rangeland management.

Exercises (1 hour/week):

- Field methods and techniques, with the realization of at least 2 field trips.
- Study of scientific articles related to the subject of Forest Phytosociology.
- Applications of Phytosociology in Forestry and Grassland. Field work.

Attendance of the exercises by the students is mandatory, at least 50%.

4. TEACHING AND LEARNING METHODS - EVALUATION

DELIVERY METHOD	<ul style="list-style-type: none"> • Lectures • Teamwork • Exercises • Excursions 														
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES	<ul style="list-style-type: none"> • Use of a course website on the e-class platform for posting (a) notes, (b) internet links, (c) announcements, search tools and social networks 														
MANAGEMENT OF TEACHING	<table border="1"> <thead> <tr> <th style="background-color: #d9ead3;"><i>Activity</i></th> <th style="background-color: #d9ead3;"><i>Semester Workload</i></th> </tr> </thead> <tbody> <tr> <td>Lectures</td> <td>26</td> </tr> <tr> <td>Exercises</td> <td>13</td> </tr> <tr> <td>Short individual exercises</td> <td>21</td> </tr> <tr> <td>Short individual works</td> <td>30</td> </tr> <tr> <td>Individual study</td> <td>60</td> </tr> <tr> <td><i>Course Total</i></td> <td>150</td> </tr> </tbody> </table>	<i>Activity</i>	<i>Semester Workload</i>	Lectures	26	Exercises	13	Short individual exercises	21	Short individual works	30	Individual study	60	<i>Course Total</i>	150
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STUDENT EVALUATION	<p>I. Final written exams (70%) that include</p> <ul style="list-style-type: none"> • Multiple choice questions from all the material of the book and the presentations of the course • Questions based on the laboratory sessions <p>II. Presentation of work (30%)</p>														

5. RECOMMENDED-BIBLIOGRAPHY

- Αθανασιάδης Ν. 1985. **Δασική Φυτοκοινωνιολογία**. Διαθέτης (Εκδότης): Σ. Γιαχούδης & ΣΙΑ Ο.Ε. ISBN 9786185092535
- Δημόπουλος Π. & Πανίτσα Μ. 2009. **Οικολογία φυτών**. Εκδόσεις Καταγράμμα. ISBN 9789609407014