



“PLANT ECOLOGY AND GEOBOTANY” SYLLABUS

Basic data of the subject	
Academic Unit:	Faculty of Life and Environmental Sciences
Course title:	Plant ecology and geobotany
Program:	Forest and Environmental Sciences
Level:	Bachelor
Course status:	Obligatory
Study year:	Third year, first semester
Number of hours per week:	3+2
Credit value – ECTS:	6
Time / location:	To be announced
Lecturer:	Prof.asoc. dr. Bekim Gashi
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Course description:	At the beginning of the course will be discussed about Plant Ecology (Ecological Geobotany). Then we will proceed with chapters such as: Biosphere and ecosystem (biotope and biocenosis); Abiotic and biotic factors. Plant life forms. On these occasion students will gain knowledge about ecology as a science, interaction of ecological factors that interact with each other with the examples from literature and from the field research. A separate chapter will be the Geobotany, where will be discussed the floristic geobotany (Phytochorology, Aerology), Cenological Geobotany (Phytocoenology, Phytosociology, Sociological Geobotany), Historical Geobotany (Phytochronology), whereby students will know the impact of soil, its types and role on the well-being of vegetation structure. At the end of the course will be discussed about the Flora and Vegetation of Kosovo, a brief overview to identify the characteristic types of the country's ecosystems, especially the forest ones.
Course objectives:	The main objective of this course is to provide the students with the knowledge of the Plant ecology with geobotany. This will also be linked to basic knowledge of Kosovo's flora and vegetation, coordinated in particular with Kosovo forests.
Learning outcomes:	Upon successful completion of this course, students will be able to: <ol style="list-style-type: none">1. To discuss about the basic chapters of plant ecology2. To know more about geobotany3. To know the basic principles of the horizontal and vertical extent of the vegetation of Kosovo with special emphasis on the forests of Kosovo4. To analyze the importance of plant ecology and geobotany for the benefit of deepening knowledge about Kosovo's forests5. Apply the knowledge gained in theory in practice.
Contribution on student load (must correspond with learning outcomes)	



Activity	Hours	Days/week	Total
Lectures	3	15	45
Exercise theoretical/laboratory	2	5	10
Practice work	2	5	10
Contact with lecturer/consultations	1/semester	10	10
Field exercises	5/semester	4	20
Mid-terms, seminars	2/semester	2	4
Homework	1/semester	5	5
Individual time spent studying (at the library or home)	2	10	20
Final preparation for the exam	2/semester	10	20
Time spent in evaluation (tests, quiz, final exam)	2/semester	3	6
Projects, presentations, etc.			
Total			150 hours
Teaching methods :	Lectures, discussions, laboratory exercises, exercises in nature-research expeditions, consultations, independent projects, homework, Colloquia, seminars, evaluations (I&II), exams.		
Evaluation methods:	Final rating represents the sum of: 1. First evaluation: 10%, 2. Second evaluation: 10%, 3. Seminars or other activities: 10%, 4. Regular attendance: 5%, 5. Final exam: 55%. Total 100%.		
Literature			
Basic Literature:	1. Buzo, K. (2005): Gjeobotanika. SHBLU. Tiranë. 2. Hoxha, E. (1998): Ekologjia e bimëve, UP; FSHMN.		
Additional Literature:	3. Rexhepi, F. (2007): The vegetation of Kosova. UP-FNS. Prishtinë. 4. Rexhepi, F. (2000): Bimët endemike të Kosovës. UP-FSHMN. Prishtinë. 5. Hoxha, E., Mustafa, B. (2000): Fitocenologji me fitogjeografi. UP-FSHMN. Prishtinë. 6. Hoxha, E., Mustafa, B. (1996): Ekologjia e bimëve-Praktikum. UP-FSHMN. Prishtinë. 7. Rexhepi, F. (1994): Vegjetacioni i Kosovës 1. UPFSHN.Prishtinë. 8. Rexhepi, F. (2000), Botanika II, UP, FSHMN, Prishtinë.		

Designed study plan:		
Week	Lectures	Exercises
<i>First week:</i>	Plant ecology	Light (heliofite and sciophyte plants)
<i>Second week:</i>	The biosphere and ecosystem	Temperature (Ephemeral plants)
<i>Third week:</i>	Ecological factors (light and temperature)	Air humidity
<i>Fourth week:</i>	Ecological factors (humidity, air and soil)	Climate Diagrams (Climate Diagrams of Prizren)
<i>Fifth week:</i>	Orographic (Topographical) Factors, Biotic and Anthropogenic	Hydrophytes (examples, field visit)
<i>Sixth week:</i>	Geobotany	Hygrophytes(examples, field visit)
<i>Seventh week:</i>	Areal	Mesophytes (examples, field visit)
<i>Eighth week:</i>	Floristic regions / Floristic kingdoms <i>First intermediary evaluation</i>	Xerophytes (examples, field visit)
<i>Ninth week:</i>	Plant cover, phytocenosis, association	Plant Life forms
<i>Tenth week:</i>	Description of association / Geobotanical survey (releve)	Determination (definition) of areal (examples: a species or a phytocenosis, field visit)
<i>Eleventh week:</i>	Analytical and synthetic characteristics	Phytocenological relieves (example: in a phytocenosis- field visit)
<i>Twelfth week:</i>	Zonal vegetation and generations (floors) of altitudes (vertical	Analytical characteristics (examples, field visit)
<i>Thirteenth week:</i>	The appearance of plants on earth and their evolution	Synthetically characteristics (continuation from previous exercise)
<i>Fourteenth week:</i>	Flora of Kosovo	Taxonomy of phytocenosis
<i>Fifteenth week:</i>	The vegetation o Kosovo <i>Second evaluation</i>	Phytocoenological table (completion of a table from the previous examples)
Academic policies and rules of conduct:		
Regular and active participation of students in lectures, exercises (practical part) and seminar work. Keeping the peace in learning, the disconnection of mobile phones, entry hall time learning etc.		