AGROFORESTRY

Basic data of the subject	
Academic Unit:	**Life and Environmental Sciences Faculty**
Course title:	**Agroforestry**
Program:	**Forestry and Environmental Sciences**
Level:	**Bachelor**
Course status:	**Compulsory**
Study year:	**Third year, first semester**
Number of hours per week:	**3+2**
Credit value – ECTS:	**5**
Time / location:	**To be announced**
Lecturer:	**Prof. Asoc. Dr. Faruk Bojaxhi**
Contact details:	**faruk.bojaxhi@uni-prizren.com**
Course description:	During this course will be discussed the methods of combining land use systems, where traditional crops or forage crops are cultivated on the same surface along with forest trees or other multipurpose timber. Agroforestry is an intensive land-breeding system, that aims to obtain optimal benefits from the interactions that occur when trees and shrubs combine with crops or combine with livestock. In this sense, Agroforestry is not a new concept, but a new technology.
Course objectives:	The main purpose of Agroforestry, is to recognize and advance the methods of increasing the capacity, the production of different cultures within the same land area (plots), and the possibility for greater benefits both in the environmental aspect as well even in the economic one. In recent years, there is an increasing trend in these activities, which is required to have more research and research in this area.
Learning outcomes:	Upon completing of this course, students will be able to: 1. To know the object of the science of Agroforestry as well as the methods of its study, 2. To describe the methods of combinations of woody species with forage and pasture species, 3. To calculate in more detail, regarding the impacts that Agroforestry has in terms of environment and economy, 4. To determine the level of conservation and improvement of the quality of the land. 5. To design the mechanisms and systems used in Agroforestry

Contribution on student load (must correspond with learning outcomes)			
Activity	**Hours**	**Days/week**	**Total**
Lectures	3	14	42
Exercise theoretical/laboratory	1	5	5
Practice work			
Contact with lecturer/consultations	1	5	55
Field exercises	1	10	10
Mid-terms, seminars	1	-	1
Homework	-	-	-
Individual time spent studying (at the library or home)	1	10	10
Final preparation for the exam		15	15
Time spent in evaluation (tests, quiz, final exam)	1	3	3
Projects, presentations, etc.	2	2	4
Total			**125 hours (5 ECTS)**
Teaching methods :	Lectures, discussions, consultations, technical exercises, formula solutions, independent projects, colloquia, exams.		
Evaluation methods:	Coursework 10% Colloquia 10% Final exam 80%		
Literature			
Basic Literature:	Series of lectures by different authors translated into Albanian. Fike, J. H., Buergler, A. L., Burger, J. A., and Kallenbach, R. L. 2004. Considerations for establishing and managing silvopastures. Online. Forage and Grazinglands. Garrett, H.E., (ed.) 2009. North American Agroforestry: An Integrated Science and Practice. 2nd. ed. Madison, WI. American Society of Agronomy. Gordon, A.M. and S.M. Neëman. 1997. Temperate Agroforestry Systems.		
Additional Literature:	Lessons: Definitions, Concepts and Methodology of Application of Agroforestry		

Designed study plan:

Week	Lectures	Exercises
First week:	What is Agroforestry? Advantages and Disadvantages of Agroforestry.	Notification with the subjects, practices, duties and obligations of students
Second week:	Plant nourishing cycle and organic matter on earth. Nitrogen Fixation.	Classification of Agroforestry Systems. Agricultural-forest systems. Examples, photos, videos
Third week:	Types of Agro-Technologies. Classification of Agrophysical Systems.	Pasture Forest Systems, Examples, Photos, Video.
Fourth week:	Agricultural-forest systems. Forest-grazing systems. Agro-forest-grazing systems.	River Protection Systems, Examples, Photos, Video.
Fifth week:	Concepts of using trees. Tree planting and management. Competitive Productivity. Absorption.	Windshield Systems, Forest Farms, Examples, Photos, Video.
Sixth week:	Efficiency of resource conversion. Competitive productivity mechanisms. Competing exclusion.	Concepts of Combination of Fruit and Vegetable Crops
Seventh week:	Fild visit	Field visit
Eighth week:	Diagnostics and Design Methodology (D & D). Concept and Procedure of D & D .	Designing and Planning Agroforestry Systems, Exemplary Tasks
Ninth week:	Key features of D & D. Rate of variables and D & D procedures	Designing and Planning Agroforestry Systems, Exemplary-Continuing Tasks
Tenth week:	Visits to various local companies	Field visit
Eleventh week:	Field Experiment Principles	Field Experiment Principles.
Twelfth week:	Colloquia	Marketing and Growth in the Value of Agro products
Thirteenth week:	Special considerations in agro-experimental experiments.	Selling and Economical Thoughts
Fourteenth week:	Preparation and size of test surfaces	Preparation and Size of Surface Testing
Fifteenth week:	Marketing Principles. Economic considerations	Repetition
Academic policies and rules of conduct:		

- Students should be aware of and respect the institution and Code of ethics.
- Students should respect the schedule of lectures, and exercises and be attentive.
- It is mandatory to possess and presents a student ID card in the mid-terms and exam,
- During the compilation of course projects, students must adhere to the instructions given by the professor.

During the exam is forbidden the use of mobile phones.