



Basic data of the subject	
Academic Unit:	Faculty of Life and Environmental Sciences
Department	Faculty of Life and Environmental Sciences
Program:	Forest and Environmental Sciences
Course title:	Plant production
Level:	Bachelor
Course status:	Selective (S)
Study year:	I
Number of hours per week:	2+1
Credit value – ECTS:	3
Time / location:	To be announced
Lecturer:	Prof. asoc. dr. Isuf Lushi
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Course description	
Course description	<p>Students will profit knowledge about the main principles of plant science (plant production), they will be familiar with the influence of environmental factors, for fruit and forest plants, they will profit knowledge about agro - technical management measures such as: knowledge of soil, food elements minerals, climatic factors, organic matter, physiological bases of plants, types of cultivars, their production technology, quality seedlings, use of fertilizers, diseases, pests, plant circulation, importance of rotation, harvest and yield.</p> <p>During this course, students can be informed in a detailed and intensive manner about plant production, climate change, global warming, agro - technical measures for the growth and development of plants in rural and forest areas.</p>
Course objectives:	<p>The main objective of this course is to provide students with the knowledge of the different methods offered by plant science and their possibilities in practical terms.</p> <p>An important role will also be given to the possibility of identifying and knowing plants, especially those plants that are very important for the environment and the existential life of mankind.</p>
Learning outcomes:	<ul style="list-style-type: none"> • From this course the students will know the field of plant production. • They will profit theoretical and practical knowledge for the identification and selection of problems in the plant production sector. • They will profit knowledge about environmental factors (climate). • Profit knowledge and skills necessary for employment in the labor market or continuing studies at the master's level.



	<ul style="list-style-type: none"> • They will be able to create business start-ups in hilly-mountainous areas. • They will apply new methods in the products creation in the field of plant production. • They will analyze the possibilities of creating business in rural, urban and forest areas. • They will analyze different problems in the field of plant production. • They will create projects for plant business management. 		
Contribution on student load (must correspond with learning outcomes)			
Activity	Hours	Days/week	Total
Lectures	2	15	30
Exercise theoretical/laboratory	1	15	15
Practice work	2	2	4
Contact with lecturer/consultations	1	2	2
Field exercises	2	1	2
Mid-terms, seminars	1	1	1
Homework	1	2	2
Individual time spent studying (at the library or home)	2	4	8
Final preparation for the exam	1	5	5
Time spent in evaluation (tests, quiz, final exam)	5	1	5
Projects, presentations, etc.	1	1	1
Total			75 (3 ECTS)
Teaching methods:	Lectures, Seminars, Mid-term exam and Final exam.		
Metodat e vlerësimit:	<ul style="list-style-type: none"> • Midterm exam 20% • Seminar project: 10%, • Attendance: 10% • Final exam: 60%, • Total examination result: 100% 		
Basic Literature:	<ul style="list-style-type: none"> • Harizaj, P. (2009) Agronomia e Përgjithshme. Tiranë. 		

	<ul style="list-style-type: none"> • Kristo I. Sallaku. F.(2010). Bazat e Prodhimit Bimor. Tiranë. • CHATTOPADHYAY S B.(2018) Principles and procedures of plant protection 	
Additional Literature:	<ul style="list-style-type: none"> • MAST-DANIDA. Bazat e Prodhimitarise Bimore (2013) Prishtinë. • Rroço E. Kristo I. (2006). Bazat e Prodhimit Bimor. Tiranë. • Coltivazioni erbacee da pieno campo, Bonciarelli F. 1992 • Bonciarelli F. (1992). Agronomia Generale, Italia. • Arbind K.Rai, Ram Kumar, et al. (2019) Plant Protection : Modern Techniques • Kashta,F. Bardhi,N.&Rroco E.(2010) Bimët e Arave,Tiranë 	
Designed study plan		
Week	Lectures	Exercise
<i>First week:</i>	Plant production - Introduction	Plant production - Introduction
<i>Second week:</i>	Land and pedogenic factors	Exercises and practical demonstration of the first week.
<i>Third week:</i>	Soils, their morphological construction and soils classification.	Exercises and practical demonstration of the second week.
<i>Fourth week:</i>	Soil organic matter, sources of organic matter, water and air in the soil.	Exercises and practical demonstration of the third week.
<i>Fifth week:</i>	Soil and plant mineral nutrition elements.	Exercises and practical demonstration of the fourth week.
<i>Sixth week:</i>	Plant, physiological bases of plant production, factors of plant production.	Exercises and practical demonstration of the fifth week.
<i>Seventh week:</i>	Plant growth and development.	Exercises and practical demonstration of the sixth week.
<i>Eighth week:</i>	Colloquium.	Exercises and practical demonstration of the seventh week.
<i>Ninth week:</i>	Climate, solar radiation, climatic factors of plant growth and production: Temperature, atmosphere, light, humidity. global warming etc.	Announcing the results of the colloquium.
<i>Tenth week:</i>	The technology of cultivation of plants, seedlings. Garbage and Fertilization.	Exercises and practical demonstration of the ninth week.
<i>Eleventh week:</i>	Tillage, seeds, agro - technical measures. Classification of plants	Exercises and practical demonstration of the tenth week.



	in plant production.	
<i>Twelfth week:</i>	Care in plant production, Protection of plants from diseases and pests.	Exercises and practical demonstration of the eleventh week.
<i>Thirteenth week:</i>	Agricultural circulation, harvest of plant products.	Exercises and practical demonstration of the twelfth week.
<i>Fourteenth week:</i>	Study visit to plant production farms	Study visit to plant production farms.
<i>Fifteenth week:</i>	Consultations and exam preparation	Consultations and exam preparation.
Academic policies and rules of conduct:		
<ul style="list-style-type: none">▪ 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.		