



Basic data of the subject	
<b>Academic Unit:</b>	University "Ukshin Hoti" Prizren
<b>Faculty:</b>	Faculty of Life and Environmental Sciences
<b>Program:</b>	Agribusinesses
<b>Course title:</b>	Production in Greenhouses
<b>Level:</b>	Bachelor
<b>Course status:</b>	Electives
<b>Study year:</b>	III
<b>Number of hours per week:</b>	2+2
<b>Credit value – ECTS:</b>	6
<b>Time / location:</b>	To be announced
<b>Lecturer:</b>	Prof. asoc. dr. Isuf Lushi
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<b>Course description</b>	Introduction, Introduction to the course, History and greenhouse problems in Kosovo. The choice of location for setting up greenhouses. Classification protected environments . General principles of construction of greenhouses. Interior Building. Heating, Greenhouse Cooling. Watering and feeding plants in greenhouses. The selection of quality seeds .The substrate on which the cultivate plants, etc. Prodhimi i fidaneve.Technology of production of plants in greenhouses. Seedling Production. Sollanaceae Family vegetable cultivation in protected environments. Tomatoes. Production of paper and .Eggplants in greenhouses. Vegetable Production: Production of cucumber and Melons in greenhouses. Production of melons in temporary tunnels. Production of spinach, lettuce and cabbage. Production of onion in greenhouses. Production of strawberries in greenhouses. Production of fruits and grapes in greenhouses. Consultation and preparation for the exam.
<b>Course objectives:</b>	Greenhouse Production course aims to present the production in protected environments of fruit and vegetable products, products that are managed as the choice of economic conditions, and the implementation of new technologies, etc.. The main task of this course is that students become familiar with various aspects of cultivation of vegetables in protected environments, in different agro-ecological conditions and their requirements to ecological factors. Also students will be introduced to agro-technical measures that are applied in the greenhouses vegetables production, ranging from quality seeds to harvesting, which measures are important in the context of determining the yield during the production of vegetables in greenhouses. A special part of this course will be the study of micro and macro climatic conditions in greenhouses, construction and operation of greenhouses Students become familiar with key aspects of the cultivation of vegetables in protected environments, micro-climatic conditions in greenhouses, construction conditions and use of greenhouses. Recognize the role and effect of special factors in the cultivation of vegetable plants



	in protected environments, whether in the field or protected environments, from the stage of planting to harvest.		
<b>Learning outcomes:</b>	<p>Upon completion of this course, students will be able to:</p> <p>After the lectures, students will be able to:</p> <ul style="list-style-type: none"> <li>• Recognize the best conditions necessary for the establishment of greenhouses</li> <li>• Recognize the requirements of microclimatic conditions of plants in greenhouses</li> <li>• Recognize specific agro-technical measures applied during the cultivation of vegetables in protected environments</li> <li>• Recognize the harvesting and storage of vegetables</li> <li>• Other knowledge how to achieve high yields which ultimate aim of cultivation in protected environments</li> <li>• Opportunities link with other agriculture branches</li> <li>• Explain qualitative and quantitative components of vegetable production in greenhouses;</li> <li>• Describe how diet, the production of products, the environment, equality, population and other inter-related resources with each other;</li> <li>• Describe the economic aspects of farm management to greenhouse production environments (marketing, promotion, nutrition, competition, etc.); Acquire necessary skills for management in at the public and private institutions.</li> </ul>		
<b>Contribution on student load (must correspond with learning outcomes)</b>			
<b>Activity</b>	<b>Hours</b>	<b>Days/week</b>	<b>Total</b>
Lectures	2	15	30
Exercise theoretical/laboratory	2	15	30
Practice work	5	3	15
Contact with lecturer/consultations	1	5	5
Field exercises	1	5	5
Mid-terms, seminars	2	2	4
Homework	1	5	5
Individual time spent studying (at the library or home)	1	15	15
Final preparation for the exam	3	10	30
Time spent in evaluation (tests, quiz, final exam)	8	1	8
Projects, presentations, etc.	1	3	3
<b>Total</b>			<b>150 (6 ECTS)</b>
<b>Teaching methods:</b>	Lectures, Seminars, Mid-term exam and Final exam.		



<b>Metodat e vlerësimit:</b>	Mid-term exam: 20%, Semestral project: 10%, Attendance: 10%, Final exam: 60%, Total examination result: 100%	
<b>Basic Literature:</b>	<ul style="list-style-type: none"> <li>• Balliu, A. (2012). Mjediset e mbrojtura, Tiranë.</li> <li>• Voci, F. (2000). Serrat dhe mjediset tjera te mbrojtura. Tiranë</li> <li>• Lushi, I. (2021). Mjediset e Mbrojtura, Prishtinë</li> </ul>	
<b>Additional Literature:</b>	<ul style="list-style-type: none"> <li>• Balliu, A. &amp; Kaci, S. (2003). Kultivimi i Perimeve ne Mjedise te Mbrojtura. Tiranë-Prishtinë.</li> <li>• Perimtaria në mjedise te mbrojtura ,( 2011). Projekti, Masht/Danida, Prishtinë.</li> <li>• Zajmi, A &amp; Efendija T., Kultivimi i dredhëzes. 1996. Prishtinë.</li> <li>• Thomas Sinclair, A. Weiss. (2010). Principles of plant production.</li> <li>• Sinclair T, Gradner F. 1998. Principles of ecology in plant production.</li> </ul>	
<b>Designed study plan</b>		
<b>Week</b>	<b>Lectures</b>	<b>Exercises</b>
<i>First week:</i>	Introduction, Introduction to the course, History and greenhouse problems in Kosovo..	Introduction, Introduction to the course, History and greenhouse problems in Kosovo.
<i>Second week:</i>	The choice of location for setting up greenhouses. Classification protected environments ..	The choice of location for setting up greenhouses. Classification protected environments ..
<i>Third week:</i>	General principles of construction of greenhouses. Interior Building. - Heating, Greenhouse Cooling	General principles of construction of greenhouses.
<i>Fourth week:</i>	Watering and feeding plants in greenhouses	Watering and feeding plants in greenhouses
<i>Fifth week:</i>	The selection of quality seeds The substrate on which the cultivate plants, etc..	The selection of quality seeds
<i>Sixth week:</i>	Technology of production of plants in greenhouses. - Seedling Production	The substrate on which the cultivate plants, etc..
<i>Seventh week:</i>	Sollanore vegetable cultivation in protected environments. - Tomatoes	Sollanore vegetable cultivation in protected environments. - Tomatoes
<i>Eighth week:</i>	<b><u>Mid-term exam</u></b>	<b><u>- Mid-term exam</u></b>
<i>Ninth week:</i>	Production of - paper and - Eggplants in greenhouses	Production of - paper and - Eggplants in greenhouses



<b><i>Tenth week:</i></b>	Vegetable Production: - Production of cucumber and - Melons in greenhouses.	Vegetable Production: - Production of cucumber and - Melons in greenhouses.
<b><i>Eleventh week:</i></b>	Production of melons in temporary tunnels	Production of melons in temporary tunnels
<b><i>Twelfth week:</i></b>	Production of spinach, lettuce and cabbage	Production of spinach, lettuce and cabbage
<b><i>Thirteenth week:</i></b>	Production of vegetable Apiaceae cultivation in protected in greenhouses.	Production of onion in greenhouses.
<b><i>Fourteenth week:</i></b>	Production of strawberries in greenhouses	Production of strawberries in greenhouses
<b><i>Fifteenth week:</i></b>	Consultation and preparation for the exam..	Consultation and preparation for the exam..
<b>Academic policies and rules of conduct:</b>		
<ul style="list-style-type: none"> <li>▪ Students should be aware of and respect the institution and Code of ethics.</li> <li>▪ Students should respect the schedule of lectures, and exercises and be attentive.</li> <li>▪ It is mandatory to possess and presents a student ID card in the mid-terms and exam,</li> <li>▪ During the compilation of course projects, students must adhere to the instructions given by the professor.</li> <li>▪ During the exam is forbidden the use of mobile phones.</li> </ul>		