



MANAGEMENT OF TECHNOLOGY LIVESTOCK PRODUCTION

Basic data of the subject	
Academic Unit:	Faculty of Life and Environmental Sciences
Course title:	Management of technology livestock production
Study program:	Agribusiness Management
Level:	Master (MSc)
Course status:	Elective (E)
Study year:	1 year / 1 semester
Number of hours per week:	2 + 1
Credit value – ECTS:	5 ECTS
Time / location:	To be announced
Lecturer:	Prof. Asoc. Dr. Shukri Maxhuni
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Course description:	<p>The course will help prepare qualified experts in the sciences of development and evaluation of technological procedures for animal breeding, mainly: Cattle, pigs, sheep, goats, poultry and horses. In addition, this course aims to help students to gain a better knowledge of the technological systems of food production and the ever-increasing needs of food supply of animal origin, internal management and planning of breeding systems in animal husbandry, methods and techniques, methods, best modifications of breeding - animal production. Various sample projects and research work serve to illustrate and deepen students' knowledge.</p>
Course objectives:	<p>This course aims to raise students' knowledge about the development of animal production science, methods and technology used, providing a complex and challenging understanding of the issue of food production and food safety of animal origin. This course examines the connections between existing and contemporary animal production technologies, techniques, methods, animal breeding biotechnology, animal health, animal nutrition/plant production systems, animal production modifications. Case studies will be used to examine these complex relationships, as well as alternative approaches to cover both: local and global animal food production, food security, and the public importance that foods play in health.</p>
Learning outcomes:	<p>Upon the successful completion of this course students will be able to:</p> <ul style="list-style-type: none">▪ Analyze existing and innovative technologies of the process and methods of raising and breeding livestock using technological, functional criteria, as well as environmental impact.▪ Evaluate, choose and determine the procedures of livestock business administration, have the management system and strategy in relation to the legal rules, for the improvement of breeding life.▪ Apply modern methods and technologies for animal breeding and breeding.▪ Create conditions for improving their maintenance and display.▪ Critically understand reproductive systems, methods and technologies, genetic modification, biotechnology, bioinformatics of life propagation.▪ Know the economics, marketing and production qualities of it for visible appearance.



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	3	3	9
Contact with lecturer/consultations	1	15	15
Field exercises	3	3	9
Mid-terms, seminars	2	1	2
Homework	1	7	7
Individual time spent studying (at the library or home)	1	15	15
Final preparation for the exam	2	8	16
Time spent in evaluation (tests, quiz, final exam)	2	2	4
Projects, presentations, etc.	3	1	3
Total			125 hours (5 ECTS)
Teaching methods:	Lectures, discussions, laboratory activities, consultations, seminars, individual research and teaching, partial exam, final exam.		
Evaluation methods:	<ul style="list-style-type: none">▪ Regular and active attendance: 10%,▪ Midterm exam: 10%,▪ Case study: 10%,▪ Seminar: 10%,▪ Final exam: 60%.		
Literature			
Basic Literature:	Damron, W. S. (2013). Introduction to animal science. Pearson Higher Education. Potter, N. N., & Hotchkiss, J. H. (2012). Food science. Springer Science & Business Media. Conklin, A. R., & Stilwell, T. (2007). World food: production and use. John Wiley & Sons		
Additional Literature:	Dictionary of Food Science and Technology (2009) Second Edition. International Food Information Service (IFIS Publishing). John Wiley & Sons, Ltd., Publication. Rome Declaration on World Food Security (1996) World Food Summit Rome, 13 November 1996.		



	<p>Livestock impacts on the environment (2006) Livestock's long shadow. FAO, 2006.</p> <p>Lecture materials and exercises (Handouts) prepared by the professor of the subject which will be delivered to students at the end of each lecture.</p>
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Designed study plan:		
Week	Lectures	Exercises
<i>First week:</i>	Present status and future prospects of livestock and poultry development in Kosova, EU and World.	Case studies selected from the topic of the lecture week.
<i>Second week:</i>	Feeding - Forager production and conservation management.	Case studies selected from the topic of the lecture week.
<i>Third week:</i>	Breeding management	Case studies selected from the topic of the lecture week.
<i>Fourth week:</i>	Population and quantitative genetics in animal breeding.	Case studies selected from the topic of the lecture week.
<i>Fifth week:</i>	Selection methods and breeding technology system.	Distribution of topics for seminars. Case studies selected from the topic of the lecture week.
<i>Sixth week:</i>	Biometrical techniques in animal breeding.	Case studies selected from the topic of the lecture week.
<i>Seventh week:</i>	Conservation of animal genetic resource.	Case studies selected from the topic of the lecture week.
<i>Eighth week:</i>	Intermediate test I	Case studies selected from the topic of the lecture week.
<i>Ninth week:</i>	Cattle and another animals breeding.	Case studies selected from the topic of the lecture week.
<i>Tenth week:</i>	Biotechnology of animal production.	Case studies selected from the topic of the lecture week.
<i>Eleventh week:</i>	Animal mating technology system.	Case studies selected from the topic of the lecture week.
<i>Twelfth week:</i>	Modern animal breeding understanding technologies.	Case studies selected from the topic of the lecture week.
<i>Thirteenth week:</i>	Bioinformatics in animal genetics and breeding.	Case studies selected from the topic of the lecture week.



<i>Fourteenth week:</i>	Genetically modified animals, their perspective.	Case studies selected from the topic of the lecture week.
<i>Fifteenth week:</i>	Intermediate test II Economics and Marketing of Livestock and Poultry and their Products and Quality control of livestock products.	Presentation of the course projects.
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.		