



Syllabus of the Course:

Academic Year: 2021 – 2022

ANIMAL PRODUCTION

Course L.	Prof. as. dr. Fehmi Xhemo	Lector 2	
email:	fxhemo@unkorce.edu.al	email:	

Credits:	4
Discipline:	A
Semester:	II

Total workload	4 x 25 = 100
Class workload:	44
Individual workload:	56

Language:	English
Course Type:	Obligatory
Code:	IAG-A-07

Class workload hours		
Type of activity	hours	credits
Lectures:	22	2
Seminars:	11	1
Exercises:		
Laboratory:	11	1
Fieldwork practice:		
Clinical practice:		
Sportive practice:		
total	44	4

Individual workload hours			
Type of activity	quantity	hour	total
Colloquiums:	1	10	10
Projects:	1	10	10
Papers:	1	6	6
Quizzes:			
Discussion:	1	10	10
Others:			
Final exam:	1	20	20
total			56

COURSE REQUIREMENTS	
Contribution of the continuous assessment:	30 points
Contribution of the final exam:	70 points

CONTRIBUTION OF THE CONTINUOUS ASSESSMENT (in point)						
Colloquiums:	Projects:	Papers:	Quizzes:	Discussion:	Participation:	Total
10	5	5			10	30
Written tests during the term						

CONTRIBUTION OF THE FINAL EXAM (in point)			
Theory:	Exercises and practice:	Others:	Total
40	30		70
End-of-term electronic exam			

PREREQUISITES OF THE COURSE
There is no preliminary conditions

CODE OF ETHICS (In reference to the "Code of Ethics" of the University "Fan S. Noli")

Article 25, point 1/i.

The student who is involved in a prohibited action or violation of the law, which results in the disruption of the lesson, can be asked by the lecturer to leave the auditorium for the remaining period of the lesson. For repeated exlusions, as a result of the disruption of the lesson, written decisions must be taken by the relevant bodies.

Article 26, point 1/h.

Any action taken or situation created, intentionally or by negligence, creating problems for the University.

These actions include but are not limited to:

- i. copying the answers from another student during the exam;
- ii. unauthorized communication with others during an exam;
- iii. allowing another student to copy the answers;
- iv. replacing another person or using another as a substitute during an exam;
- v. pre-programming of a calculator, or other electronic device that hold unauthorized answers or information for the exam;
- vi. use of unauthorized materials, pre-prepared answers, written notes, or information hidden during an exam;
- vii. allowing others to do a task or part of a task (exercise group work), including using the commercial service (purchasing them); submitting the same assignment to more than one course without prior approval of all lecturers involved;
- viii. offering or giving bribes to University staff or those holding management positions;

DESCRIPTION OF COURSE

"The Animal Production Basis" module (discipline) consists of three main subjects

1. The brief description of the anatomy and physiology of animals.
- 2 The main basis of Animal Alimentation and Nutrition.
3. The Animal Husbandry, Breeding and the main and specific of the domestic animal diseases.

Each discipline is divided into chapters and subchapters describing in detail, but more concise construction and functioning of cells, tissues, organs and systems of the main domestic and agricultural animals.

On the basis of the studies knowledge's, consistently provided on the animals' body composition and herbs, we will

LEARNING OUTCOMES OF COURSE

- To acquire at a satisfactory level the knowledge that is transmitted in the relevant disciplines of this module, knowledge which will serve in the formation not only of general but also in specific disciplines of the field according to the respective study programs.

- To obtain theoretical and practical knowledge about the construction and functioning of the animal organism, and especially of its tissues, systems and organs.

- To obtain theoretical and practical knowledge about the body structure of plants and animals, about their solubility and absorption, about the effectiveness of each food category separately and combined, how to regulate animal nutrition and its application in the practice of livestock production, rationing and balance of food base for

- Acquisition of theoretical and practical knowledge, development of business plans and training of students to design and implement plans and programs for breeding and protection of animal health.

- The result of learning, with the completion of this course, will be that, the student will concretely learn the basics of general animal zootechnics, the basics of animal nutrition in general and standardized nutrition in particular, the basics of breeding of the main species bred in our country. The student will eventually be able to understand

BASIC CONCEPTS OF COURSE

Anatomy, physiology, skeletology, myology, splanology, angiology, neurology, endocrinology, livestock, zootechnics, breeding, farm animals, type (species), breed, category, natural and artificial interbreeding, selection, natural and artificial selection, method selection, carbohydrates, fats (lipids), proteins, digestion, balance, minerals, vitamins, natural pastures

REQUIRED TEXTBOOKS

- Anatomia dhe fiziologjia e kafshëve bujqësore, (Dispensë) Xhemo F., 2019
- Ushqimet dhe të ushqyerit e normuar të kafshëve bujqësore (tekst mësimor), Baci A., Xhemo F., 2003
- Ushqimet dhe të ushqyerit e normuar të kafshëve bujqësore (Dispensë) Xhemo F., 2020
- Mbarështimi i kafshëve bujqësore dhe sëmundjet kryesore të tyre (tekst mësimor) Baci A., Xhemo F., 2004
- Mbarështimi i kafshëve bujqësore dhe sëmundjet kryesore të tyre (Dispensë) Xhemo F., 2020
- Zooteknia e përgjithshme (Dispensë) Xhemo F., 2019
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RECOMMENDED REFERENCE BOKKS

- Anatomia dhe fiziologjia e kafshëve bujqësore, 2012
- Të ushqyerit e kafshëve bujqësore (tekst mësimor), 1984
- Fiziologjia e kafshëve bujqësore (tekst mësimor), 1983
- Nevojat dhe vlerat e ushqimeve për kafshet (Vjetar teknik), 1998
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CONCLUDING REMARKS FROM THE LECTURER OF THE COURSE

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COURSE TEACHING CONTENT IN 15 WEEKS

WEEK	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	Total
Lectures:	2	2	2	2	2	2	2	2	2	2	2					22
Seminars:	1	1	1	1	1	1	1	1	1	1	1					11
Exercises:																
Laboratory:	1	1	1	1	1	1	1	1	1	1	1					11
Fieldwork pr:																
Clinical pr.:																
Sportive pr.:																
Total																44

WEEK ①		CONSTRUCTION OF ANIMAL SKELET AND MUSCLES, FUNCTIONS, TYPES
lectures	2	● - Skeleton construction and its functions, - General characteristics of skeletal areas, - Skeleton construction, division into regions. - Skeleton of the front limbs. - Skeleton of the hind limbs. -
seminars	1	
exercises		● CONSTRUCTION OF ANIMAL SKELET AND MUSCLES, FUNCTIONS, TYPES.
laborator	1	●
field. pr.		
clinic. pr.		
sport. pr.		
Literat. 1		Anatomia dhe fiziologjia e kafshëve bujqësore, (Dispensë) Xhemo F., 2019, (f. 5-35)
Literat. 2		

WEEK ②		INTERNAL BODIES, CONSTRUCTION AND THEIR FEATURES.
lectures	2	● (digestive tract, liver, lungs, kidneys) etc. - What is splanchnology, general characteristics. - What are the basic functions of the digestive
seminars	1	
exercises		● "INTERNAL BODIES ORGANS, CONSTRUCTION AND THEIR FEATURES. (digestive tract, liver, lungs, kidneys) etc. "
laborator	1	●
field. pr.		
clinic. pr.		
sport. pr.		
Literat. 1		Anatomia dhe fiziologjia e kafshëve bujqësore, (Dispensë) Xhemo F., 2019, (f. 36-38)
Literat. 2		

WEEK ③		CONSTRUCTION OF THE NERVOUS SYSTEM, SENSORY ORGANS (EYES, EARS, SKIN)
lectures	2	● - Construction and functions of the spinal cord. - Construction of the brain and its functions.
seminars	1	
exercises		● SEMINAR: Conversation about the lectures of the 1st and 2nd weeks. EXERCISES: Building the nervous system, the sense organs (eyes, ears, skin).
laborator	1	●
field. pr.		
clinic. pr.		
sport. pr.		
Literat. 1		Anatomia dhe fiziologjia e kafshëve bujqësore, (Dispensë) Xhemo F., 2019, (f. 69-92)
Literat. 2		

WEEK ④		CELL PHYSIOLOGY, SYNAPSES, S. N. PHYSIOLOGY
lectures	2	● - The constituent parts of the cell, their functions, - The microscopic structure of the cell, - Cell motor functions, biological reactions. - How different substances pass through the
seminars	1	
exercises		● CONSTRUCTION OF THE NERVOUS SYSTEM, SENSORY ORGANS (EYES, EARS, SKIN)
laborator	1	●
field. pr.		
clinic. pr.		
sport. pr.		
Literat. 1		Anatomia dhe fiziologjia e kafshëve bujqësore, (Dispensë) Xhemo F., 2019, (f. 102-134)
Literat. 2		

WEEK ⑤		CARDIOVASCULAR SYSTEM, BLOOD FUNCTIONS, COMPOSITION, ITS CIRCULUM
lectures	2	● - The structure of the heart. - Blood, its functions and composition. - What are blood groups.
seminars	1	● CELL PHYSIOLOGY, SYNAPSES, S. N. PHYSIOLOGY
exercises		
laborator	1	●
field. pr.		
clinic. pr.		●
sport. pr.		
Literat. 1	Anatomia dhe fiziologjia e kafshëve bujqësore, (Dispensë) Xhemo F., 2019, (f.136-154)	
Literat. 2		

WEEK ⑥		CHEMICAL COMPOSITION OF ANIMAL BODY AND FOOD, CARBOHYDRATES, FATS, PROTEINS
lectures	2	● - The chemical composition of the animal body. - The role of water in the organism of plants.
seminars	1	● SEMINAR: Conversation about the lectures of weeks III, IV, V. EXERCISES: Cardiovascular system, blood functions, composition, its circulation.
exercises		
laborator	1	●
field. pr.		
clinic. pr.		●
sport. pr.		
Literat. 1	Ushqimet dhe të ushqyerit e normuar të kafshëve bujqësore, (Dispensë) Xhemo F., 2020, (f. 3-25)	
Literat. 2		

WEEK ⑦		THE ROLE OF MINERALS AND VITAMINS, TYPES, SOURCES OF THEIR INSURANCE. SOLUBILITY OF FOOD IN ANIMALS, FACTORS AFFECTING IT
lectures	2	● - Macroelements. - Microelements. - Fat soluble vitamins (liposoluble). A. D. E. K. - Water
seminars	1	● CELL PHYSIOLOGY, SYNAPSES, S. N. PHYSIOLOGY
exercises		
laborator	1	●
field. pr.		
clinic. pr.		●
sport. pr.		
Literat. 1	Ushqimet dhe të ushqyerit e normuar të kafshëve bujqësore, (Dispensë) Xhemo F., 2020, (f. 26-57)	
Literat. 2		

WEEK ⑧		CLASSIFICATION OF ANIMAL FEED, NATURAL PASTURES, ARTIFICIAL, HASLES. PROCESSING OF ANIMAL FOOD, SILAGE, PREPARATION OF DRY, GRASS
lectures	2	● - Summer pastures - Autumn pastures - Winter pastures - Pasture capacity
seminars	1	● THE ROLE OF MINERALS AND VITAMINS, TYPES, SOURCES OF THEIR INSURANCE. SOLUBILITY OF FOOD IN ANIMALS, FACTORS AFFECTING IT
exercises		
laborator	1	●
field. pr.		
clinic. pr.		●
sport. pr.		
Literat. 1	Ushqimet dhe të ushqyerit e normuar të kafshëve bujqësore, (Dispensë) Xhemo F., 2020, (f. 58-110)	
Literat. 2		

WEEK ⑨		CHARACTERISTICS AND NUTRITIONAL VALUES OF CONCENTRATES, FOOD INDUSTRY BY-PRODUCTS. FEATURES AND NUTRITIONAL VALUES OF ANIMAL AND SYNTHETIC FOODS.
lectures	2	<ul style="list-style-type: none"> ● SEMINAR: Conversation about the lectures of weeks VI, VII, VIII. EXERCISES: Classification of animal feed, natural pastures, artificial, hashtags. processing of animal feed, silage, preparation of dry grass, straw, etc.
seminars	1	
exercises		
laborator	1	
field. pr.		
clinic. pr.		
sport. pr.		
Literat. 1	Ushqimet dhe të ushqyerit e normuar të kafshëve bujqësore, (Dispensë) Xhemo F., 2020, (f. 111-137)	
Literat. 2		

WEEK ⑩		"NORMS NUTRITION OF ANIMALS AND BIRDS"
lectures	2	<ul style="list-style-type: none"> ● - Eating capacity, - Volume of food, - Volume unit, - Food units, - Food norms, Determination of food norms
seminars	1	
exercises		
laborator	1	
field. pr.		
clinic. pr.		
sport. pr.		
Literat. 1	Ushqimet dhe të ushqyerit e normuar të kafshëve bujqësore, (Dispensë) Xhemo F., 2020, (f. 138-156)	
Literat. 2		

WEEK ⑪		METHODS OF DETERMINING THE NUTRITIONAL VALUE OF FOOD
lectures	2	<ul style="list-style-type: none"> ● - Nutritional norms for body maintenance, - Energy needs for body maintenance (EMB), - Protein needs for body maintenance. - Needs for minerals and vitamins.
seminars	1	
exercises		
laborator	1	
field. pr.		
clinic. pr.		
sport. pr.		
Literat. 1	Ushqimet dhe të ushqyerit e normuar të kafshëve bujqësore, (Dispensë) Xhemo F., 2020, (f. 157-184)	
Literat. 2		

WEEK ⑫		ECONOMIC IMPORTANCE OF CAT, FEATURES, REPRODUCTION, HANDLING, ETC.
lectures		<ul style="list-style-type: none"> ● - Types of cattle for work and - Types of cattle for meat production - Types of cattle for milk
seminars		
exercises		
laborator		
field. pr.		
clinic. pr.		
sport. pr.		
Literat. 1	SEMINAR: Conversation about the lectures of weeks IX, X, XI. EXERCISES: Methods for determining the nutritional value of foods. principles and techniques of designing feed rations for animals.	
Literat. 2		

WEEK 13	ECONOMIC IMPORTANCE OF SHEEP AND GOATS
lectures	● - Numerical situation of sheep and goats in the world and in Albania, - Origin of sheep and goats. - Changes obtained in domesticated sheep and goats. - Features of sheep and goats. main
seminars	● ECONOMIC IMPORTANCE OF CAT, FEATURES, REPRODUCTION, HANDLING, ETC.
exercises	
laborator	●
field. pr.	
clinic. pr.	
sport. pr.	●
Literat. 1	
Literat. 2	

WEEK 14	GENERAL KNOWLEDGE ABOUT HUNTING. ECONOMIC IMPORTANCE AND SPREAD OF WHOM. ECONOMIC IMPORTANCE OF BIRD BREEDING. BIOLOGICAL FEATURES.
lectures	●
seminars	
exercises	● ECONOMIC IMPORTANCE OF SHEEP AND GOATS.
laborator	●
field. pr.	
clinic. pr.	
sport. pr.	●
Literat. 1	
Literat. 2	

WEEK 15	GENERAL KNOWLEDGE ON PIGS. ECONOMIC IMPORTANCE OF PIG BREEDING, ECONOMIC IMPORTANCE OF BEES AND THEIR BIOLOGICAL FEATURE. - Products obtained from pigs. - Pig breeding in Albania. - Pig breeds for fat, meat. SEMINAR: Conversation about the lectures of the XII, XIII, XIV, XV weeks. EXERCISES: General knowledge on hoofs. economic importance and spread of whom. economic importance of poultry breeding biological features of poultry.
lectures	●
seminars	
exercises	●
laborator	●
field. pr.	
clinic. pr.	
sport. pr.	●
Literat. 1	
Literat. 2	

Course L.	Prof. as. dr. Fehmi Xhemo	Lector 2.

Head of the Agronutrition Department: Prof. as. dr. Gjergji Papa