

ZOOPSYCHOLOGY WITH THE BASICS OF ETHOLOGY

SYLLABUS OF EDUCATIONAL COMPONENT



specialty	211 veterinary medicine	mandatory discipline	selective
educational program	Veterinary medicine	faculty	veterinary medicine
educational level	Master's degree	chair	physiology and biochemistry of animals

TEACHER

Larisa Vodopianova - <http://btu.kharkov.ua/wp-content/uploads/2022/12/VodopianovaLA.pdf>



Higher education - veterinary specialty

Scientific degree - candidate of biological sciences 03.00.19 - cryobiology

Academic title - associate professor

Work experience - more than 17 years

Indicators of professional activity in the subject of the course:

- Author of more than 20 methodological instructions for practical and independent work on the subject of the course;
- Advanced qualification for international internship at the National Research Center "Institute of Experimental and Clinical Veterinary Medicine" on the topic: Modern laboratory methods of diagnosis used in physiological research. NNC "Institute of Experimental and Clinical Veterinary Medicine", 180/6 ECTS credits, 2024.
- Internship at the "Odesa International Academy" on the topic: "Neurophysiology with the basics of zoopsychology", 120/4 ECTS credits, 2023.
- International certificate Certificate of international advanced training (webinar) - EUROPEAN ACADEMY OF SCIENCES & RESEARCH (EASR), Hamburg, Germany; " Introduction to systematic review and meta-analyses course", 09/22/2022, 0.46 ECTS credits (14 hours);
- International certificate Civil organization "International Foundation of Scientists and Educators" (IESF), Kyiv, Ukraine and Instytut Badawczo-Rozwojowy Lubelskiego Parku Naukowa Technologicznego Sp., Lublin, Poland. Certificate of international advanced training (webinare) "Non-formal education in the preparation of bachelors in the countries of the European Union and Ukraine", 20.02.2023, 1.5 ECTS credits (45 hours);
- Co-author / author of more than 130 thematic publications;
- Participant of scientific and methodical conferences on the subject of the course.

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GENERAL INFORMATION ABOUT THE EDUCATIONAL COMPONENT

Goal	providing students with theoretical and practical knowledge of the course of physiological processes in the body of animals of various species and teaching them methods of managing physiological functions to increase productivity and improve the quality of animal husbandry products.
Format	lectures, practical classes, independent work, individual tasks, laboratory work, team work
Detailing of learning results and forms of their control	• Ability to think abstractly, analyze and synthesize, conduct research at the appropriate level, learn and master modern knowledge, develop strategies for safe, sanitary animal keeping, know the terminology of ethology and zoopsychology, be able to use it correctly in your work (GC1, GC2, GC7, GC10, SC1, PLO1) / individual tasks, training

	- Ability to apply knowledge in practical situations, make informed decisions, communicate with representatives of other professional groups of various levels, formulate conclusions regarding the effectiveness of selected methods and means of keeping, feeding and treating animals, prevention of contagious and non-communicable diseases, as well as production and technological processes at enterprises on keeping, breeding or exploitation of animals (GC 9, GC 10, SC1, SC7)/ individual tasks - The ability to use tools, special devices, devices, laboratory equipment and other technical means to carry out the necessary manipulations during professional activity, to develop quarantine and health measures, methods of therapy, prevention, diagnosis and treatment of diseases of various etiologies, to carry out educational activities among industry workers and population (GC2, GC7, GC8, SC1, SC6, PLO2) / individual tasks, essay - Implementation of environmental protection mechanisms, application of knowledge of biosafety, bioethics and animal welfare in professional activity, knowledge of rules and requirements of biosafety, bioethics and animal welfare in the process of professional (GC12, GC3, GC7, SC6, SC 17, SC19, PLO3, PLO7) / training, individual tasks
Scope and forms of control	3 ECTS credits (90 hours): 12 hours of lectures, 18 hours of laboratory and practical work, 60 hours of independent work, current control (2 chapters); final control - credit
Requirements of the teacher	timely completion of practicals, activity, teamwork
Enrollment conditions	credit / exam

COMPLEMENTS THE STANDARD OF EDUCATION AND THE EDUCATIONAL PROGRAM

Competences	GC 1. Ability to abstract thinking, analysis and synthesis. GC 2. Ability to apply knowledge in practical situations. GC 7. Ability to conduct research at the appropriate level. GC 8. Ability to learn and master modern knowledge. GC 9. Ability to make informed decisions. GC 10. Ability to communicate with representatives of others professional groups of different levels (with experts from other fields of knowledge/types of economic activity). SC1. To know and correctly use the terminology of veterinary medicine. SC6. Develop quarantine and health measures, methods of therapy, prevention, diagnosis and treatment of diseases of various etiologies. SC7. Formulate conclusions regarding the effectiveness of selected methods and means of keeping, feeding and treating animals, prevention of infectious and non-infectious diseases, as well as production and technological processes at enterprises for keeping or exploiting animals of various classes and species. SC17. Know the rules and requirements of biosafety, bioethics and animal welfare. SC19. Carry out educational activities among industry workers and the population.	Program learning outcomes	PLO1. Know and correctly use the terminology of veterinary medicine PLO 2. Use information from domestic and foreign sources to develop diagnostic, treatment and business strategies. PLO 3. Determine the essence of physico-chemical and biological processes that occur in the body of animals in normal and pathological conditions. PLO 7. Formulate conclusions regarding the effectiveness of selected methods and means of keeping, feeding and treating animals, prevention of contagious and non-communicable diseases, as well as production and technological processes at enterprises for keeping, breeding or exploiting animals of various classes and species.
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STRUCTURE OF THE EDUCATIONAL COMPONENT

Chapter 1					
Lecture 1	Ethology and zoopsychology. History of development of sciences.	PL 1	Methods of investigation in physiology. Types of behavior. Inborn (innate) behavior. Acquired (learned behaviour).	Independent and practical work	1. Dominance and hierarchy in a herd of ruminants. 2. Dominance and hierarchy in a pride of lions 3. Dominance and hierarchy in a herd of horses 4. Hierarchical relations in a pack of wolves and hyenas. 5. Hierarchical relations in domestic cats and dogs
Lecture 2	Inborn (innate) and acquired (learned) animals behavior. Classification of the behavioral continuum.	PL 2	The world of mental phenomena. Mental processes. Memory. Communication. Signals and environment. The expression of emotions.		

Lecture 3	The basis of the organization of communities.	PL 3	Motivation. Hierarchy of needs.		
		PL 4	Security, Safety, Stress, Sleeplessness, Conflict.		
		PL 5	Predators and prey. Territoriality. Migration. Orientation and Navigation. Migration. Test 1		
Chapter 2					
Lecture 4	Instinct and learning.	PL 6	Social organization: Agonistic, Altruistic and Kinship behaviour. Reproductive behavior. Mating systems.	Independent practical work	6. Psyche and behavior of a domestic dog. Mental activity of the dog. The history of the relationship between a dog and a person. Age patterns of development of the dog's psyche. Characteristics of the main types of dog behavior. Formation of desired behavior in dogs. 7. Psyche and behavior of a domestic cat. Mental activity of a cat. The history of the relationship between cats and humans. Peculiarities of mental activity, age-related patterns of mental development, behavioral characteristics, characteristics of the main types of behavior, formation of desired behavior in cats. 8. Psyche and behavior of horses. The history of the relationship between man and horses.
Lecture 5	Development of individual behavior	PL 7	Parental Care and Infant Development.		
Lecture 6	Bioethical aspect of zoopsychology	PL 8	Animal training. Correction of the behavior of domestic and farm animals.		
		PL 9	Aspects of humane attitude towards animals and their intelligence. Test 2		
BASIC LITERATURE AND METHODOLOGICAL MATERIALS					

Literature	1. Антіпін С.Л., Бобрицька О.М., Югай К.Д. Етологія сільськогосподарських тварин. Для студентів вищ. навч. закладів. Х, 2010. 136с.	Methodical support	1. Зоопсихологія з основами етології. Робочий зошит для лабораторно-практичних занять / Жукова І.О., Кочевенко О.С., Водоп'янова Л.А. Харків: ДБТУ, 2024. – 65 с.
	2. Коляденко Н. В. Зоопсихологія та порівняльна психологія: підручник. К.: ДП «Вид. дім «Персонал», 2019. 508 с.		2. Zoopsychology with the basics of ethology. Workbook for laboratory-practical classes /, Kochevenko O.S., Vodopyanova L.A. Kharkiv: DBTU, 2024. – 65 p.
	3. Кряж І. В. Зоопсихологія. Учебно-методические рекомендации. Харьков, 2002. 34 с.		3. Zoopsychology with the basics of ethology: Lectures. Textbook for the self-study students/ Vodopyanova L. , Zhukova I.O., Bobritska O. M.– Kharkiv, 2024. – 300 p.
	4. Москаець В. Зоопсихологія і порівняльна психологія. Підручник затверджений МОН України, 2019.- 200 с.		
	5. Севериновська О. В., Пахомов О. Є., Рибальченко В. К. Етологія (основи поведінки тварин) : підручник для вищих навчальних закладів / О. В. Севериновська, Д. : Вид-во Дніпропетр. нац. ун-ту, 2010. – 292 с. 44-іл., 4-табл., 194-бібліогр. назв.		
	6. Закон України №3447-IV «Про захист тварин від жорстокого поводження». 21 лютого 2006 року.		
	7. Доценко В. В. Зоопсихологія : навч. посіб. МВС України, Харків. нац. ун-т внутр. справ. Х., 2019. 240 с.		
	8. An introduction to animal behaviour / Aubrey Manning, Marian Stamp Dawkins. Cambridge university press/ Published in the United States of America by Cambridge University Press, New York, 2012 – 6th ed. – 470p.		
	9. Animal behavior / edited by Barrett Adkins. Includes bibliographical references and index, Libra press, New York, 2017 – 2d ed. - 368 p.		

EVALUATION SYSTEM			
	SYSTEM	POINTS	ACTIVITY THAT IS ASSESSED
Final assessment (different credit, exam)Final evaluation	100 ECTS points (standard)	up to 100	40 % - Final testing
			60 % - student's current work during the semester
Final assessment (non-differential credit)	100 points ECTS (standard)	up to 100	100 % - average grade for sections
Rating of section	100 points total	up to 30	30 % - answers to test questions
		up to 30	30 % - the result of mastering the block of independent work
		up to 40	40 % - student activity in class (oral answers)
NORMS OF ACADEMIC ETHICS AND INTEGRITY			
All participants in the educational process (including students) must adhere to the code of academic integrity and the requirements stipulated in the regulation "On Academic Integrity of Participants in the Educational Process of SBTU": to demonstrate discipline, good manners, respect each other's dignity, show kindness, honesty, and responsibility.			