SILABUS EDUCATIONAL COMPONENT

FEATURES OF NON-CONTAGIOUS, INVASIVE AND INFECTIOUS DISEASES OF SMALL ANIMALS

specialty	**211 - Veterinary medicine**	**compulsory nature of the discipline**	**selective**
educational program	**veterinary medicine**	**faculty**	**veterinary medicine**
educational level	**Not limited**	**department**	**Veterinary surgery and reproductive medicine**

TEACHER

Zaika Petro Oleksandrovych

- **Scientific degree: Candidate of Veterinary Sciences, specialty 16.00.04 - Veterinary Pharmacology and Toxicology**
- **Academic rank - associate professor**
- **He has 23 years of experience.**

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The following persons are involved in teaching the discipline: Candidate of Veterinary Sciences Olesia O. Tsymerman

GENERAL INFORMATION ABOUT THE EDUCATIONAL COMPONENT (DISCIPLINE)

Objective.	**mastering the basic patterns of manifestation of non-contagious, invasive and infectious pathology in dogs and cats, applying diagnostic criteria depending on the type of pathogen and mastering the basic modern principles of treatment and prevention of diseases of various etiologies. The course is related to the study of the current state of non-communicable diseases, infectious and invasive etiology in small animals, features of clinical course, pathogenesis, and methods of control for treatment and prevention; study of modern diagnostic methods and preventive technologies for this group of diseases in small animals, gaining knowledge of the structure of regulatory documents (instructions, guidelines); rules for drafting regulatory documents (act, etc.).**
Format.	**lectures, practical classes, independent work, individual assignments.**
Detailing learning outcomes and forms of their control	• **ability to comply with the rules of personal safety in the study of small animals, using knowledge of their anesthesia and fixation, to comply with the rules of personal hygiene, to use the rules of asepsis and antisepsis in the implementation of any intervention or research (SC3)/ individual practical classes.** • **the ability to conduct research at the appropriate level, apply knowledge in practical situations, use tools, special devices for special manipulations in the performance of professional tasks (GC2, GC3, GC7, GC9, SC2, SC4, SC7, SC8, PLO1, PLO2, PLO3, PLO4, PLO5) / individual practical classes.** • **ability to carry out tools and manipulations ((GC1, GC2, SC2, SC4, SC7, SC12, SC13, PLO7, PLO8/ individual practical classes.** • **understand and find out the peculiarities of conducting clinical trials in order to form conclusions about the condition of the animal and establish a diagnosis (GC2, GC3, GC9, SC1, SC2, SC4, PLO6, PLO9 / individual practical classes.** • **ability to think abstractly, analyze, synthesize, search, process information from various sources** • **(GC1, GC2, GC3, GC7 PLO7, PLO8, PLO9)/ individual practical classes.**
Scope and forms of control	**3 ECTS credits (90 hours): 12 hours of lectures, 18 hours of laboratory and practical classes; 30 hours of independent study, 2 tests; final control - differentiated credit.**
Teacher requirements	**timely completion of tasks, activity, teamwork**
Terms of enrollment	**"free enrollment"**

COMPLEMENTS THE EDUCATION STANDARD AND EDUCATIONAL PROGRAM

Competencies	GC1. Ability to think abstractly, analyze and synthesize. GC 2. Ability to apply knowledge in practical situations. GC 3. Knowledge and understanding of the subject area and profession. GC 7. Ability to conduct research at the appropriate level. GC 9. Ability to make informed decisions. SC1. Ability to identify the peculiarities of the structure and functioning of cells, tissues, organs, their systems and apparatus of the body of animals of different classes and species - mammals, birds, insects (bees), fish and other vertebrates.	**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 physicochemical and biological processes that occur in the body of animals in normal and pathological conditions. PLO 4. Collect anamnestic data during registration and examination of animals, make decisions on the choice of effective methods of diagnosis, treatment and prevention of animal diseases. PLO 5. To establish the relationship between clinical manifestations of the disease and the results of laboratory tests.

	SC 2. Ability to use tools, special devices, instruments, laboratory equipment and other technical means to carry out the necessary manipulations in the course of professional activity. SC 3. Ability to comply with the rules of labor protection, asepsis and antisepsis during professional activities. SC 4. Ability to conduct clinical research to formulate conclusions about the condition of animals or to establish a diagnosis. SC 7. Ability to organize and conduct laboratory and special diagnostic tests and analyze their results. SC 8. Ability to plan, organize and implement measures for the treatment of animals of different classes and species suffering from non-contagious, infectious and invasive diseases. SC 12. Ability to develop and implement measures aimed at protecting the population from diseases common to animals and humans. SC 13. Ability to develop strategies for the prevention of diseases of various etiologies.		PLO 6. Develop quarantine and health improvement measures, methods of therapy, prevention, diagnosis and treatment of diseases of various etiologies. PLO 7. Formulate conclusions about the effectiveness of selected methods and means of keeping, feeding and treating animals, prevention of contagious and non-contagious diseases, as well as production and technological processes at enterprises for the maintenance, breeding or operation of animals of different classes and species. PLO 8. To monitor the causes of the spread of diseases of various etiologies and biological pollution of the environment by livestock waste, as well as materials and veterinary products. PLO 9. Develop measures aimed at protecting the population from diseases common to animals and humans.

STRUCTURE OF THE EDUCATIONAL COMPONENT

Chapter 1: Invasive and infectious diseases of small animals

Lecture 1	Anthropozoonotic diseases. Rabies. Leptospirosis. Aujeszky's disease. Dermatomycoses (trichophytosis, microsporia).	**LPC 1**	Diagnosis, differential diagnosis, measures for the prevention and control of streptostaphylococcosis and other diseases of dogs and cats	**Independent work**	Plans and schemes for comprehensive immunoprophylaxis. Plans and schemes for comprehensive vaccine prevention Microscopic examination of the skin in trichophytosis of dogs and cats Toxoplasmosis and sarcocystosis. Diagnosis and differential diagnosis of heartworm disease in dogs and cats Diagnosis and differential diagnosis of trichinosis in dogs and cats Morphological differentiation of otoscopic elements secreted by pathogens of hookworm, strongyles and capillariasis.
Lecture 2	Plague of carnivores. Corona and parvovirus enteritis of carnivores. Adenovirus diseases of dogs (infectious hepatitis and infectious tracheobronchitis).				
Lecture 3	Veterinary helminthology and protozoology. Veterinary acarology.	**LPC 2**	Diagnostics and differential diagnosis of protozoa (babesiosis, eimeria, cystoisosporosis, sarcocystosis and toxoplasmosis) and nematodes of domestic carnivores		
		LPC 3	Diagnosis and differential diagnosis of carnivorous trematodes (opisthorchiasis, clonorchiasis, methorchiasis, metagonimosis, pseudo-fistulosis)		
		LPC 4	Diagnosis and differential diagnosis of carnivorous acaroses (sarcoptic mange, otodectic mange, demodectic mange) and entomoses (trichodectic mange, siphonapterosis).		

Chapter 2. Non-communicable diseases of small animals					
Lecture 4	Diagnosis and treatment of heart disease in small animals	**LPC 5**	Diagnosis and therapy of non-inflammatory diseases of the cardiovascular system.	**Independent work**	Differential diagnosis and treatment of nervous system diseases in small animals Differential diagnosis and features of therapy for diseases of the endocrine system in small animals. Differential diagnosis and treatment of diseases of the digestive system in small animals. Differential diagnosis and treatment of hypovitaminosis in small animals Differential diagnosis and treatment of urinary system diseases in small animals.
Lecture 5	Diagnosis and treatment of respiratory diseases in small animals.	**LPC 6**	Acute and chronic lesions of the gastrointestinal tract in small animals		
Lecture 6	Diseases of the gastrointestinal tract. liver and pancreas	**LPC 7**	Diseases of the urinary system		
		LPC 8	Allergic diseases of small animals		
		LPC 9	Diseases of the endocrine system		

BASIC LITERATURE AND METHODOLOGICAL MATERIALS

	1. Naumenko V.V. Physiology of agricultural animals / V.V. Naumenko K: 1994. 5. Workshop on the physiology of agricultural animals / Bityukov IP and others. Moscow: Agropromizdat. 1990. 2. Clinical diagnosis of animal diseases / Levchenko V.I., Sudakov M.O., Melnyk Y.L. and others. K.: Urozhay, - 1995 - 368 p. 3. Veterinary Clinical Biochemistry / Levchenko V.I., Vlizlo V.V., Kondrakhin I.P. and others Bila Tserkva, - 2002. - 400 p. 10. Clinical biochemistry / Levchenko V.I. and others - Bila Tserkva, 2003. - 257 p. 4. Karysheva A.F. Special epizootology / A.F. Karysheva- K.: "Higher Education" - 2002 - 132 p. 5. Parasitology and invasive diseases of animals / V.F. Galat A.V. Berezovsky M.P. Prus and others - K.: "Higher School", - 2003 - 464 p. 17. Parasitology and invasive diseases of animals / Edited by M.Sh. Abkaev - Moscow: Kolos, 2002. -743 c.	**Methodological support**	Sarbash D.V., Kantemir O.V., Slyusarenko D.V., Tsimerman O.O. Situational tasks. Methodical recommendations for students of the Faculty of Veterinary Medicine Kh. - DBTU - 2023. - 108 p. Sarbash DV, Tsimerman OO Features of dog feeding. Methodical recommendations for students of the Faculty of Veterinary Medicine Kh. Sarbash DV, Tsimerman OO Dietary feeding of dogs. Methodical recommendations for students of the Faculty of Veterinary Medicine. Kh. - DBTU - 2023. -32 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.