

SILABUS EDUCATIONAL COMPONENT



VETERINARY NUTRITION TAKING INTO ACCOUNT THE ANATOMICAL AND PHYSIOLOGICAL CHARACTERISTICS OF SMALL ANIMALS

specialty	211 - Veterinary medicine	compulsory	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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remote support

Moodle

The following people are involved in teaching the discipline: PhD in Veterinary Science, Zaika P.O.

GENERAL INFORMATION ABOUT THE EDUCATIONAL COMPONENT (DISCIPLINE)

Objective.	formation of students' competencies to understand the anatomical, functional and morphological features of the structure of the body, organs and organ systems of small animals, to use regulatory documents on the technique of compiling diets depending on the age, physiological condition and physical activity of animals, to choose the correct principles of small animal nutrition and participate in their development.		
Format.	lectures, practical classes, independent work, individual assignments.		
Detailing learning outcomes and forms of their control	- Ability to understand and find out the peculiarities of the anatomical and physiological structure of the body of small animals and the functioning of organs and systems in dogs and cats, (GC1, GC2, GC3, SC3) / individual practical training - Ability to conduct research to establish the basic principles of dietetics, methods of compiling diets depending on age, physiological condition in small animals (GC1, GC2, SC4) / individual practical training - ability to use evaluation criteria in the application of veterinary diets for small animals with various types of pathology (GC1, GC2, SC4, PLO7) / individual practical training - the ability to determine the effect of various dietary feeds and their components on the body of small animals, in case of various diseases, depending on breed, age and sex (GC1, GC2, SC4, PLO1, PLO 7) / individual practical training		
Scope and forms of control	3 ECTS credits (90 hours): 12 hours of lectures, 18 hours of laboratory and practical classes; 60 hours of independent study, control (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. GC2. Ability to apply knowledge in practical situations. GC3. Knowledge and understanding of the subject area and profession. SC1. Ability to understand and find out the peculiarities of the structure and functioning of cells, tissues, organs, their systems and apparatus of the animal body. SC3. Ability to comply with the rules of labor protection, asepsis and antisepsis during professional activities. SC4. Ability to conduct clinical trials in order to formulating conclusions about the condition of animals or establishing a diagnosis.	Program learning outcomes	PLO1. Know and correctly use the terminology of veterinary medicine. PLO7. Formulate conclusions about the effectiveness of selected methods and means of keeping, feeding, prevention of contagious and non-contagious diseases and treatment of animals, production and technological processes introduced in enterprises.
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STRUCTURE OF THE EDUCATIONAL COMPONENT

Chapter 1: ANATOMICAL AND PHYSIOLOGICAL FEATURES OF SMALL ANIMALS

Lecture 1.	Features of the anatomical structure of the body of dogs and cats.	Laboratory and practical	Features of the skin. Features of	Ind	Organs of the respiratory system.
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Lecture 2.	Features of the anatomical composition of the digestive, respiratory and of the genitourinary system in dogs and cats.	session 1 (LPC 1)	glandular and horny derivatives in dogs and cats.		Structure features and their role in the animal body.
Lecture 3.	Physiological mechanisms of interaction between the body and the environment environment. The body as a self-regulating system. Types of regulation of function in the body.	LPC 2	Features of the anatomical structure of the sensory organs of dogs		The urinary system. Role and function.
		LPC 3	Features of homeostasis in small animals.Blood function		The system of reproductive organs.
		LPC 4	Peculiarities of homeostasis in small animals.		The system of internal secretion organs. Blood types in small animals.
					Functions of sweat glands in maintaining homeostasis
					The importance of endocrine glands in the regulation of functions
					Methods of studying endocrine glands and hormones
Chapter 2. FEEDING SMALL ANIMALS					
Lecture 4.	Peculiarities of food digestion in dogs and cats.	LPC 5	Features of feeding kittens and puppies from birth to one year. Rules for compiling diets.	Independent work	Consequences of insufficiency of biologically active substances (vitamins and microelements) in the diet of dogs and cats.
Lecture 5.	Characteristics of food for cats and dogs	LPC 6	Features of feeding adults. Rules for formulating diets.		
Lecture 6.	Dietary and artificial feeding.	LPC 7	Features of feeding pregnant and lactating females of small animals. Rules for compiling diets.		Dietary feeding of dogs in case of diseases caused by metabolic disorders.
		LPC 8	Feeding of service and breeding small animals. Rules of rationing.		Dietary feeding of dogs with diseases of the urinary system.
		LPC 9	Feeding geriatric small animals. Rules for compiling diets.		

BASIC LITERATURE AND METHODOLOGICAL MATERIALS

Literature	1. Durst L., Wittman M. Feeding of farm animals: Textbook K.: Phoenix, 2006.– manual. Translated from German / Edited by.	Methodological support	1. 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. - 2024. - 108 p.
	2. By I.I. Ibatullin and G. Strebel. 384 c. 2. Ibatullin I.I., Melnychuk D.O., Bogdanov G.O. et al. Feeding of farm animals. Textbook - Vinnytsia: Nova Knyha, 2007. - 616 p.		2. Sarbash DV, Tsimerman OO, Norms of energy, protein, fat and carbohydrate requirements for dogs of different age groups. Methodical recommendations for 1st year and 1st year students. Kh. - DBTU. - 2024. -24p.
	3. New preservatives and feed technologies / M.F.Kulyk, V.F.Petrychenko, T.V.Zasukha et al: PE "Publishing house "Tezis", 2004. - 320 p. 16		3. Sarbash DV, Tsimerman OO Features of dog feeding. Methodical recommendations for students of the Faculty of Veterinary Medicine Kh.
	4. Draft Law of Ukraine "On Feeds" [Text] // Effective Feeds and Feeding. - 2007. - No. 5. - P. 7-15.		4. Sarbash DV, Tsimerman OO, Dietary feeding of dogs. Methodical recommendations for students of the Faculty of Veterinary Medicine. Kh. - DBTU. - 2023. -32 p.
	5. Ukraine. Cabinet. Ministers. Regulations on state registration of veterinary drugs, feed additives, premixes and finished feeds / approved by the Cabinet of Ministers of Ukraine. Resolution of the Cabinet of Ministers of Ukraine of November 21, 2007, No. 1349. 2007, No. 1349 // Official Gazette of Ukraine. - 2007. - No. 89. - P. 3273.		5. Sarbash DV, Tsimerman OO, Zaika PA Methodical instructions for independent work for students of the Faculty of Veterinary Medicine Kh.
	6. Veterinary Clinical Biochemistry / Levchenko V.I., Vlizlo V.V., Kondrakhin I.P. and others Bila Tserkva, - 2002. - 400 p.		
	7. Clinical diagnostics of animal diseases / V.I. Levchenko, V.V. Vlizlo, I.P. Kondrakhin et al.		

GRADING 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.