

SYLLABUS OF THE EDUCATIONAL COMPONENT

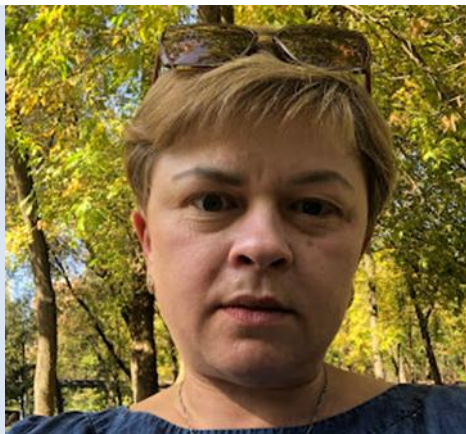


«VETERINARY ENDOCRINOLOGY»

speciality	211 Veterinary medicine	mandatory or optional	Optional
educational program	Veterinary medicine	faculty	Veterinary medicine
educational degree	magistr	department	Internal diseases and clinical diagnosis of animals

Teather

Sobakar Yuliia Viktorivna



Higher education - veterinary medicine specialty
Scientific degree - candidate of veterinary sciences 16. 00. 01 - diagnosis and therapy of animals
Academic title - Associate Professor of the Department of Internal Diseases and Clinical Diagnosis of Animals
Work experience - 12 years
Indicators of professional activity on the subject of the course:

- author of 10 methodological developments;
- experience of scientific work of 12 years;
- participant of scientific and methodical conferences.

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support

Moodle

GENERAL INFORMATION ABOUT THE EDUCATIONAL COMPONENT (DISCIPLINE)

Aim	providing students with theoretical knowledge and practical skills in the methodology of data analysis of clinical and laboratory research, differential diagnosis, treatment and prevention of diseases of endocrine organs in animals.
Format	lectures, practical classes, independent work, individual tasks, laboratory work, team work
Form of control	3 ECTS credits (90 hours): 16 hours of lectures, 28 hours of laboratory hours, 46 hours of independent work; modular control (2 modules); final control - differentiated assessment.
Requirements	timely completion of laboratory and practical tasks, activity, teamwork
Enrollment conditions	according to the curriculum

COMPLIANCE WITH THE STANDARD OF EDUCATION AND THE EDUCATIONAL PROGRAM

Competenciai	GC1 Ability to abstract thinking, analysis and synthesis GC2 Ability to apply knowledge in practical situations GC7 Ability to conduct research at the appropriate level GC8 Ability to learn and master modern knowledge ZC9 Ability to make informed decisions GC10 Ability to communicate with representatives of other professional groups of different levels (with experts of other fields of knowledge/types of economic activity) GC11 Ability to evaluate and ensure the quality of performed works SC1 The ability to establish the features of the structure and functioning of cells, tissues, organs, their systems and body apparatuses of animals of various classes and species - mammals, birds, insects (bees), fish and other vertebrates SK2 The ability to use tools, special devices, devices, laboratory equipment and other technical means for carrying out the necessary manipulations during professional activity SC 4 The ability to conduct clinical research in order to formulate conclusions about the condition of animals or	Program result of education	PRS1 Know and correctly use the terminology of veterinary medicine PRS2 Use information from domestic and foreign sources to develop diagnostic, treatment and business strategies PRS3 Determine the essence of physico-chemical and biological processes that occur in the body of animals in normal and pathological conditions PRS5 Establish a connection between the clinical manifestations of the disease and the results of laboratory studies PRS6 Develop quarantine and health measures, methods of therapy, prevention, diagnosis and treatment of diseases of various etiologies PRS7 Formulate conclusions regarding 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 keeping, breeding or exploiting animals of various classes and species
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establish a diagnosis
 SC6 Ability to select, pack, fix and send samples of biological material for laboratory research
 SC7 Ability to organize and conduct laboratory and special diagnostic studies and analyze their results
 SC 8 Ability to plan, organize and implement measures for the treatment of animals of various classes

STRUCTURE OF THE EDUCATIONAL COMPONENT (DISCIPLINES)

Module 1 General pathogenetic mechanisms of development

diseases of endocrine organs. Diseases of the endocrine part of the pancreas.

Lecture 1	General pathogenetic mechanisms of the development of diseases of endocrine organs.	LPL1	The purpose and tasks of the discipline, its importance in the formation of special knowledge and skills of specialists. Methods of determining hormones in biological substrates for the purpose of diagnosis. Preparation of samples for research.	Self work	The role of the hypothalamus in regulating the functions of endocrine organs. Etiology, pathogenesis, symptoms, diagnosis and treatment of diabetes insipidus The role of the pituitary gland in the etiology and pathogenesis of the disease. Violation of the function of the pineal gland. The importance of hormones of the mucous membrane of the alimentary canal in the processes of digestion and metabolism
		LPL-2	Laboratory diagnosis of diabetes. Determination of glucose and insulin in the blood of animals..		
Lecture2	Diseases of the endocrine part of pancreas.	LPL 3	Informativeness of clinical and special research methods for the purpose of diagnosing diabetes.		
		LPL 4	Treatment of sick animals with diabetes mellitus and control of its effectiveness.		
		LPL 5	Solving situational tasks. Diabetes mellitus.		
		LPL 6	Module I. General pathogenetic mechanisms of development diseases of endocrine organs. Diseases of the endocrine part of the pancreas.		

Module 2 Diseases of adrenal, thyroid and parathyroid glands

Lecture 3	Diseases of the adrenal glands: hormonally active tumors of the adrenal glands; chronic adrenal insufficiency; primary hyperaldosteronism.	LPL 7	Diagnosis and treatment of animals for adrenal gland diseases. Diagnosis and provision of medical care. Demonstration of slides and a video film on the pathology of the adrenal glands..	Selfwork	<p>1 Determination of the functional state of the adrenal glands and the main causes of their pathology. The role of adrenal hormones in the mechanisms of development of ketosis in cows.</p> <p>2 The main syndromes of diseases of the thyroid glands. Mechanisms of formation and functions of thyroid hormones. The role of iodine in thyroid function disorders.и.</p> <p>3.Diseases of the thyroid gland: Diffuse toxic goiter, thyroiditis, toxic adenoma and cancer of the thyroid gland.</p>
Lecture 4	Endocrine forms of obesity. Classification..	LPL 8	Diagnosis and treatment of animals for adrenal gland diseases. Diagnosis and provision of medical care. Demonstration of slides and a video film on the pathology of the adrenal glands..		
Лекція 5 Lecture	Assistance in acute adrenal insufficiency.	LPL 9	Working out in practice diagnostic measures for diseases of the adrenal glands.		
		LPL 10	Laboratory diagnosis of diseases of the adrenal glands. Methods of determining the hormones of the cortical part of the adrenal glands in the blood of animals		
Lecture 6	Diseases of the thyroid gland: hypothyroidism.	LPL 11	Laboratory diagnosis of diseases of the adrenal glands. Methods of determining the hormones of the cortical part of the adrenal glands in the blood of animals		
Lecture 7	Diseases of the thyroid gland: hyperthyroidism	LPL 12	Laboratory diagnosis of diseases of the adrenal glands. Methods of determination of hormones of the cerebral part of the adrenal glands in the blood of animals.		
Lecture 8	Assistance in thyrotoxic and hyperparathyroid crisis. Hypoparathyroid tetany.	LPL 13	Methods of diagnosing diseases of the thyroid gland. Animal studies. Hypothyroidism. Diffuse toxic goiter..		
Lecture 9	Diabetology. Diet therapy for endocrine diseases.	LPL 14	Treatment of sick animals with pathology of the thyroid gland.		
		LPL 15	Treatment of sick animals with pathology of the thyroid gland.		
		LPL 16	Film about thyroidal pathology.		

		LPL 17	Solving situational tasks. Hypothyroidism, hyperthyroidism		
		LPL 18	Module II Diseases of adrenal glands, thyroid and parathyroid glands.		

MAIN LITERATURE

Literature	<p>1. Ветеринарна клінічна біохімія: підручник /В.І. Левченко та ін.; за ред. В.І. Левченка і В.В. Влізла. 2-ге вид., перероб іта доп. Біла Церква, 2019. – 416 с.</p> <p>2. Внутрішні хвороби тварин: підручник / [Левченко В.І., Кондрахін І.П., Влізла В.В. та ін.]; за ред. В.І. Левченка. – Біла Церква, 2015. – Ч. 2. – 610 с.</p> <p>3. Edward Feldman, Richard Nelson, Claudia Reusch, J. Catharine Scott-Moncrieff. Canine and Feline Endocrinology, Elsevier. 2014.- 654 p.</p> <p>4. Клініко-лабораторні та спеціальні методи дослідження собак і котів за хвороб ендокринної системи. Методичні рекомендації для здобувачів факультету ветеринарної медицини і слухачів Інституту післядипломної освіти / Собакар Ю. В., Маценко О. В., Могільовський В. М. та ін. -X., 2024.- 81 с.</p>	Methodical support	<p>1. Робочий зошит для лабораторних занять з дисципліни «Ветеринарна ендокринологія», Модуль I /Собакар Ю. В.– X., 2022.- 47 с.</p> <p>2. Робочий зошит для лабораторних занять з дисципліни «Ветеринарна ендокринологія», Модуль II /Собакар Ю. В.– X., 2022.- 41 с.</p>
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EVALUATION SYSTEM		SCORE	SCORE THAT 50% from total score by module EVALUATED
Final score	100 score ECTS (standard)	up 50	50% від усередненої оцінки за модулі
		up 50	final score
Modul score	100 score to sum up	up 50	test
		up 20	oral answers in laboratory-practical classes
		up 30	the result of mastering the block of independent work

NORMS OF ACADEMIC ETHICS AND CHARITY

All participants in the educational process (including those seeking education) must adhere to the code of academic integrity and the requirements prescribed in the provision "On academic integrity of participants in the educational process of SBU": show discipline, education, respect each other's dignity, show kindness, honesty, responsibility.