SYLLABUS OF THE EDUCATIONAL COMPONENT

VETERINARY DERMATOLOGY

speciality	**211 Veterinary medicine**	**mandatory or optional**	**selective**
educational program	**Veterinary medicine**	**faculty**	**Veterinary medicine**
educational degree	**Master's degree**	**department**	**Internal diseases and clinical diagnosis of animals**

TEACHER

Matsenko Olena 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 - 31 years

- Indicators of professional activity on the subject of the course:
- The author of methodological instructions for laboratory, practical works from the course "Veterinary Dermatology"
- Scientific internship at NUBiP in Kyiv from the course "Veterinary Dermatology"
- Participant of scientific and methodical conferences.

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GENERAL INFORMATION ABOUT THE EDUCATIONAL COMPONENT

Aim	providing theoretical knowledge and practical skills in the methodology of data analysis of clinical and laboratory studies, differential diagnosis, treatment and prevention of skin diseases in animals.
Format	lectures, practical classes, independent work, individual tasks, laboratory work, team work
Form of control	3 ECTS credits (90 hours): 14 hours of lectures, 30 hours of laboratory hours, 46 hours of independent work; current control (2 chapters); final control - differentiated assessment.
Requirements	timely completion of laboratory and practical tasks, activity, teamwork
Enrollment conditions	according to the curriculum

COMPLEMENTS THE STANDARD OF EDUCATION AND THE EDUCATIONAL PROGRAM

Competencia	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 GC9 Ability to make informed decisions GC11 Ability to evaluate and ensure the quality of performed works SC2 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 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 13 The ability to develop strategies for the prevention of diseases of various etiologies	**Program learning outcomes**	PLO1 Know and correctly use the terminology of veterinary medicine PLO 3 Determine the essence of physico-chemical and biological processes that occur in the body of animals in normal and pathological conditions PLO 5 Establish a connection between the clinical manifestations of the disease and the results of laboratory studies PLO 6 Develop quarantine and health measures, methods of therapy, prevention, diagnosis and treatment of diseases of various etiologies

STRUCTURE OF THE EDUCATIONAL COMPONENT

Chapter 1. Modern diagnosis and therapy of skin diseases in animals

Lecture 1	Modern diagnosis of skin diseases in animals: The structure of animal skin and its main functions. Classification of skin diseases by etiology. Basic diagnostic algorithms for skin diseases in animals.	**LPL 1**	Procedure for examining animals for skin diseases. Special methods of diagnostic examination of the skin and their analysis	**Selfwork**	1. General principles of differential diagnosis of itching. 2. Algorithm for differential diagnosis of alopecia
		LPL-2	Bacteriological, mycological and cytological studies in		
Lecture 2	Dermatological pharmacology. Basic principles of treatment of animals with skin lesions	**LPL 3**	Features of pharmacotherapy for skin lesions. Dietary nutrition in dermatology.		
		LPL 4	Diagnostic studies of animals for pruritus and alopecia		
		LPL 5	Skin diseases in animals. Development of methods of diagnosis and treatment of animals for skin diseases in the conditions of a veterinary clinic/farm/equestrian sports school.		
		LPL 6	Modern diagnosis and therapy of animals for skin diseases in animals Solving test tasks		
Chapter 2 Dermatology of small pets and horses					
Lecture 3	Skin diseases in small domestic animals of bacterial, fungal and parasitic etiology. Pyoderma, dermatitis, dermatophytosis,	**LPL 7**	Diagnosis and treatment of animals for skin diseases of bacterial, fungal, parasitic etiology. Examination of sick animals for pyoderma, dermatophytosis	**Selfwork**	1. Psychogenic skin diseases and skin diseases caused by the environment: diagnosis of acrodermatitis, biting and licking of paws, primary contact dermatitis, photodermatosis. General typical symptoms of hormonal disorders of the skin., hypoandrogenism in males, hyposomatotropism).

	microsporosis, trichophytosis, pitirosporosis. classification, diagnosis, treatment. Skin parasitic diseases (sarcoptosis, demodicosis, cheiletielosis, lice, fleas).		microsporosis, pitirosporosis, demodicosis. Diagnosis and provision of medical care. Development of dermatological research techniques: bacteriological and mycological culture of skin lesions, deep scraping of the skin and scotch prints, and fluorescent diagnostics (using a Wood's lamp).		2. Diagnosis and treatment of immune-related diseases in dogs: medicinal rash, erythema multiforme 3. Urticaria (hives) in horses, equine papillomatosis: 4. diagnosis and treatment.
Lecture 4	Allergic skin diseases of small pets Urticaria, atopy, allergy to feed ingredients, allergic contact dermatitis	**LPL 8**	Diagnosis and treatment of allergic skin diseases. Examination of sick animals for allergic skin diseases (hives, atopy, food allergy, allergic contact dermatitis). Diagnosis and provision of medical care. Methodology of intradermal test. otoscopy Principles of dietary treatment for allergies.		
Lecture 5	Food-related skin diseases: classification, diagnosis, treatment Autoimmune skin diseases. Ordinary pemphigus. Leaf-shaped blister. Discoid lupus erythematosus.	**LPL 9**	Food-related skin diseases: Diagnosis, treatment and prevention of zinc-dependent dermatosis, lack of essential unsaturated fatty acids, "bronze" syndrome Dalmatians.		
		LPL10	Autoimmune skin diseases. Differential diagnosis and treatment of pemphigus foliaceus, discoid lupus erythematosus.		
Lecture 6	Endocrine skin diseases. Congenital and hereditary skin diseases (diagnosis, treatment).	**LPL 11**	Classification, diagnosis and treatment of pets for hypothyroidism, hyperadrenocorticism, idiopathic seborrhea, acanthosis nigricans, dermatomyositis)		
Lecture 7	Diagnosis differentials of	**LPL 12**	Diagnosis of		
	skin diseases in horses (folliculitis, atopy, photosensitization): diagnosis and treatment. Autoimmune skin diseases in horses and allergic reactions of the skin to the action of medicines		inflammatory skin lesions in horses. Differential clinical and laboratory diagnosis dermatitis of various genesis in horses		
		LPL 13	Differential diagnosis allergic skin diseases in horses (atopy, photosensitization). Providing therapeutic assistance to sick animals with allergic lesions. Practice of conducting intradermal allergy tests		

		LPL 14 **LPL 15**	Skin diseases in small pets animals and horses Dermatology of small pets and horses Development of methods of diagnosis and treatment of dogs, cats and horses for skin diseases in the conditions of a veterinary clinic/equestrian sports school Solving test tasks		

MAIN LITERATURE

Literature	1. Bellwood B., Andrasik-Catton M. Veterinary Technician's Handbook of Laboratory Procedures. – 2014. – 171 p. 2. 3. Cafarchia, C., Figueredo, LA, & Otranto, D. (2013). Fungal diseases of horses. Veterinary microbiology, , 167 (1-2), 215-234. 4. Canine and Feline Dermatology Atlas 5. Coyner, K. S. (Ed.). (2019). Clinical atlas of canine and feline dermatology. John Wiley & Sons. 6. Ettinger, S. J., Feldman, E. C., & Cote, E. (Eds.). (2024). Textbook of Veterinary Internal Medicine-Inkling E-Book: Ettinger's Textbook of Veterinary Internal Medicine-eBook. Elsevier health sciences. 7. Hnilica, K. A., & Patterson, A. P. (2016). Small Animal Dermatology-E-Book: A Color Atlas and Therapeutic Guide. Elsevier Health Sciences. 8. Kerr M.G. Veterinary Laboratory Medicine, second edition. – Blackwell Science, 2002. – 368 p. 9. Kobluk, C. N., Ames, T. R., & Geor, R. J. (Eds.). (1995). The horse: diseases and clinical management. Volume 1 (pp. xv+-735). 10. 11. Morris, D. O., & Kennis, R. A. (2013). Clinical dermatology, an issue of veterinary clinics: small animal practice (Vol. 43, No. 1). Elsevier Health Sciences. 12. Scott, D. W. (2018). Color atlas of farm animal dermatology. John Wiley & Sons. 13. Scott, D. W., & Miller, W. H. (2010). Equine dermatology-E-book. Elsevier Health Sciences. 14. Гот, GM (2020). Atlas of dermatology of dogs and cats. Grupo Asís Biomedia SL.	**Methodical support**	Workbook for laboratory classes in the discipline "Veterinary Dermatology", Module I / Matsenko O. V.– Kh., 2021. - 47 p. Workbook for laboratory classes in the discipline "Veterinary Dermatology", Module II / Matsenko O. V.– Kh., 2021.- 47 p.

EVALUATION SYSTEM

SYSTEM		SCORE	ACTIVITY THAT EVALUATED
Final assessment (differentiated credit, exam)	**100-point ECTS (standard)**	**до 100**	**40% – final testing, 60% – student's ongoing work during the semester**
Final assessment (non-graded)	**100-point ECTS (standard)**	**до 100**	**100% – averaged score for all course sections**
Section Assessment	**Cumulative 100-point scale**	**до 30**	**30% – answers to test questions**
		до 30	**30% – performance on the independent study block**
		до 40	**40% – student activity during classes (oral responses)**

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.