SYLLABUS OF THE EDUCATIONAL COMPONENT



VISUAL DIAGNOSIS IN VETERINARY MEDICINE

Specialty	211 Veterinary medicine	mandatory discipline	optional
Educational program	veterinary medicine	faculty	veterinary medicine
Educational level	Master's degree	department	internal diseases and clinical diagnosis of animals
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Teacher

Kibkalo Dmytro Viktorovich



Higher education is a specialty veterinary medicine

Scientific degree - Doctor of Veterinary Sciences in the specialty 16.00.01 -diagnosis and animal therapy Scientific title is a professor

Work experience is 20 years old

Indicators of professional activity on the subject matter of the course:

- author of 3 monographs more than 30 publications;
- experience of scientific work 23 years;
- • Co-author 7 publications in Scopus and Web of Science.
- a participant of scientific conferences
- Head of Research.

phone	e-mail	diagnost_96@ukr.net	remote support	Moodle

Natalia Alexandrovna Kravchenko is involved in teaching the discipline

GENER			AL INFORMATION ABOUT THE EDUCATIONAL COMPONENT			
Aim		M	Mastering the necessary theoretical knowledge and practical skills and skills in conducting radiological and			
ul		trasound examination of animals and interpreting the results obtained in the previous diagnosis.				
Form		lectures,	practical classes, independent work, individua	ıl tasks.		
		• A st • de an Pi	the ability to abstract thinking, analysis and synthesis of information obtained by radiological, ultrasound or other visual research methods (GC1) / Individual interview. Ability to use an X -ray apparatus, ultrasound scanner, otolararinoscope to conduct the necessary animal studies during professional activity. (SC2) / Practical tasks. determine the essence of physicochemical and biological processes that occur in the body of animals in normal and by pathology based on the results of the study of the animal by visual methods of diagnosis (PLO3) / Practical tasks. • collect anamnestic data for ultrasound or radiological examination of animals, make decisions on the choice of effective methods of diagnosis, treatment and prevention of animal diseases (PLO4) / Clinical cases, practical tasks. • formulate conclusions on the effectiveness of selected methods and means of maintenance, feeding and			
Scope and forms of control 3 credit		3 credits	treatment of animals, prevention (PLO7) Clinical cases, practical tasks. dits ECTS (90 hours): 14 hours of lectures, 30 hours laboratory-practical; 46 hours of independent classes, current			
		·	2 sections); Final control - differentiated credit.			
			ning tasks and mastering the course material			
			«Free enrolment»			
			LEMENTS THE STANDARD OF EDUCATION AND EDUCATIONAL PROGRAM			
Competencies	thinking, analysis and synthesis SC2. Ability to use tools, special devices, devices, laboratory equipment and other technical means for carrying out the necessary manipulations during professional activity.		Program learning outcomes	PLO3. To determine the essence of physicochemical a biological processes that occur in the body of animals normal and in pathology. PLO4. Collect anamnestic data during the registration a examination of animals, decide on the choice of effecti methods of diagnosis, treatment and prevention of anim diseases		
STRUCTURE OF THE EDUCATIONAL COMPONENT				MPONENT		
Chapter 1. Veterinary X-ray						
	Fundamentals of radiological diagnosis	LPC 1	Arrangement of a cabinet X -ray, obtaining	X -ray properties and radiographic quality Viewing webinar interpretation of radiological		

Lecture 2	ure 2 Veterinary radiology		a X -ray image		studies Viewing Webinar interpretation of radiological examinations of the chest cavity
Lecture 3 MRI and CT diagnostics		LPC 2	X -ray projections and patient stacking		Viewing Webinar interpretation of radiological
		LPC 3	X -ray examination of the heart and blood vessels		examinations of the abdominal cavity Viewing Webinar interpretation of radiological
		LPC 4	X -ray examination of the respiratory system	Independent work	studies of bone structures MRI and CT Diagnosis of small animals
		LPC 5	X -ray examination of abdominal organs	ndent	
		LPC 6	X -ray examination of the spine, bones and joints	эдере	
		LPC 7	MRI and CT scan of small animals	=	
			Chapter 2. Veterinary ultrasound	t	
Lecture 4	The principles of	LPC 8	Arrangement of ultrasound of the cabinet,		Viewing the webinar ultrasound of the bladder
	ultrasound		technique of ultrasound of small animals		View the webinar ultrasound of the kidneys
Lecture 5	Methods of ultrasound	LPC 9	Ultrasound of the bladder	ork	Viewing webinar ultrasound of the liver and spleen
Lecture 6	ture 6 Ultrasound of tumours	LPC 10	Kidney ultrasound	Independent work	View the webinar ultrasound of the stomach and
	and artefacts	LPC 11	Ultrasound of the liver and spleen	ent	intestine
		LPC 12	Ultrasound of the stomach and intestine	pu	Viewing the webinar ultrasound of the heart and vessels
		LPC 13	Ultrasound of the heart and blood vessels	ebe	View the webinar ultrasound of the female
		LPC 14	Ultrasound of the reproductive system	<u>n</u>	reproductive system. Viewing webinar ultrasound
		LPC 15	Ultrasound of tumours		of the male reproductive system
					View Webinar ultrasound of tumours
BASIC LITERATURE AND METHODOLOGICAL MATERIALS					

BASIC LITERATURE AND METHODOLOGICAL MATERIALS

- 1. Thrall, D. E., & Robertson, I. D. (2022). Atlas of Normal Radiographic Anatomy and Anatomic Variants in the Dog and Cat-E-Book. Elsevier Health Sciences.
- 2. Muhlbauer, M. C., & Kneller, S. K. (2024). Radiography of the dog and cat: guide to making and interpreting radiographs. John Wiley & Sons.
- 3. Mattoon, J. S., & Nyland, T. G. (2020). Fundamentals of diagnostic ultrasound. Small Anim Diagnostic Ultrasound Mattoon, 3rd ed.; Mattoon, JS, Nyland, TG, Eds, 1-49.

Electronic course of Visual Diagnosis in Veterinary Medicine in Moodle

Methodical support

- 4. Mattoon, J. S., Sellon, R. K., & Berry, C. R. (2020). Small animal diagnostic ultrasound e-book. Elsevier health sciences.
- 5. Ensminger, D., & Bond, L. J. (2024). Ultrasonics: fundamentals, technologies, and applications. CRC press.

EVALUATION SYSTEM

SYSTEM			ACTIVITY TO BE 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		
	Cumulative 100-point scale	до 30	30% – answers to test questions		
Section Assessment		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 DBTU": show discipline, education, respect each other's dignity, show kindness, honesty, responsibility.