Module title:	Equine internal diseases	ECTS	3
Polish translation:	Choroby wewnętrzne koni		
Course:	Veterinary Medicine		

	Module language:	English				Stage:	JM-FVM
	intramural		basic	mandatory	Semester: 8		□ winter semester
studies:	extramural	module:	□ directional	elective			summer semester
				Academic year:	Intake	Catalogue number:	FVM-V-JMSS-08S-
				Academic year.	2021/2022	catalogue number.	D16/1_20

Module coordinator:	Małgorzata Wierzbicka, PhD, DVM
Teachers responsible for the module:	Academic teachers of the Institute of Veterinary; Department/Laboratory of Large Animal Diseases with Clinic; PhD students in accordance to the internal legal acts; visiting professors; other specialists in the field of study
Objectives of the module:	The aim and purpose of the course is to teach students the definition, occurrence, effects of diseases, etiology, pathogenesis, recognition, clinical symptoms, additional tests, differential diagnosis, anatomo-pathological changes, complications, treatment, prognosis and prevention of internal diseases of horses. The program contains information about internal diseases of horses, encountered in veterinary practice. The student will receive basic information on how to conduct environmental and disease anamnesis, recognition, including the use of laboratory and imaging tests, treatment and prevention of diseases. Lecture topics: Horse skin diseases; on allergic, parasitic, fungal and neoplastic lesions. (1 hour) Upper respiratory tract diseases; nose, throat, larynx, guttural pouches, paranasal sinuses and trachea diseases. (1 hour) Respiratory diseases of horses; pleural disease. (1 hour) Respiratory diseases of horses; pleural disease. (1 hour) Cardiovascular diseases in horses; heart disease. (1 hour) Cardiovascular diseases: peripheral blood and lymphatic vessels. (1 hour) Cardiovascular diseases - stomach disease. (1 hour) Gastrointestinal tract diseases - diseases of the small intestine. (1 hour) Gastrointestinal tract diseases - diseases of the small intestine. (1 hour) Gastrointestinal tract diseases - diseases of the small intestine. (1 hour) Gastrointestinal tract diseases - diseases of the small intestine. (1 hour) Gastrointestinal tract diseases - diseases of the small encytoney by the diseases - diseases of the small diagnosis, treatment and prevention. (2 hours) Respiratory diseases - diagnosis, differential diagnosis, treatment and prevention. (2 hours) Respiratory diseases - diagnosis, differential diagnosis, treatment and prevention. (2 hours) Respiratory diseases - diagnosis, differential diagnosis, treatment and prevention. (2 hours) Respiratory diseases in horses - diagnosis, differential diagnosis, treatment and prevention. (2 hours) Gastric diseases in horses - diagnosis, differential d
Teaching forms, number of hours:	a) Lectures; hours 15; b) Clinical laboratories; hours 30;
Teaching methods:	Lectures: multimedia presentations by IMW employees responsible for conducting lectures. Clinical classes: conducting clinical examination of animals, treatment of clinical cases, analysis of test results Consultations for students - 1h / week. The manner of organizing consultations will be determined by the subject coordinator at the beginning of the semester Detailed schedule will be defined by the coordinator of the course at the beginning of semester. Detailed organization of consultations will be defined by the coordinator of the course at the beginning of semester.

Formal prerequisites and initial requirements:		Knowledge of anatomy, animal physiology, biochemistry, clinical and laboratory diagnostics, pl pathophysiology, Pathomorphology 3	harmacology, anii	nal nutrition,		
Learning effects		Course outcomes:		Impact on the course outcomes*		
	1	Student knows the pathomechanisms and clinical course of diseases		2		
	2	Student knows the rules for conducting interviews and physical examination of animals	B.W.5	3		
Knowledge:	3	Student knows the rules for treating diseases	B.W.3	2		
	4	Student knows the principles of differential diagnosis of diseases	B.W.4	3		
	5	Student knows the principles of disease monitoring based on clinical data and the results of laboratory and additional tests	B.W.6	3		
	1	Student knows how to get history taking about animal's disease and enviroment	B.U.2	3		
	2	Student knows how to safely conduct a veterinary medical examination of the animal	B.U.3; B.U.1	3		
	3	Student knows how to coordinate and perform the appropriate detailed examination and additional tests based on the interview and general examination	B.U.4	2		
Skills:	4	Student knows how to carry out differential diagnostics	B.U.4	3		
	5	Student knows how to coordinate appropriate treatment with the patient - including pharmacotherapy, diet therapy	B.U.9, B.U.10, B.U.13	3		
	6	Student knows how to conduct medical and veterinary documentation	B.U.6	2		
	7	Student knows how to collect material for additional tests and interpret the results obtained	B.U.6	3		
	1	Student is ready to take responsibility for his actions and decisions	KS.1	2		
Competences:	2	Student presents an attitude consistent with veterinary deontology and the Veterinary Doctor's Code of Ethics	KS.2	1		
	3	Student is aware of the continuous development of science and is ready to expand and update knowledge	KS.4	1		
Objectives of the module r to obtain learning effects:	equired	The program includes lectures and clinical labs in the field of equine internal. During the study and practical skills in the field of internal equine diseases: dermatology, cardiology, gastroenter respiratory and metabolic diseases, neonatology and health program of horses.		-		
		Students are required to complete two written tests per semester (open questions; pass 60% tests apply the entire material from the lectures, practical and seminar classes preceding the from basic and supplementary literature. At the end of the semester the student is required to pass an oral practical test completing pr	test and the rele			
		The second test date is in the same form.				
Assessment methods:		In order for the student to take the final exam, he / she must obtain positive grades from tests during classes. Written exam checking practical and theoretical knowledge. The criterion for issuing the grade for the written exam: 61-69% - (3,0) 70-76% - (3,5) 77-84% - (4.0) 85-92% - (4.5) 93-100% -(5.0)				
		In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.				
Detail description of assessment methods; No extra assessment methods are anticipated.						
Formal documentation of learning outcome:		eHMS entry. Records collected in the course portfolio i.e. individual records of student results, presence lists, database of oral and written questions, written assessments of the students.				
Elements impelling final gr	ade:	To obtain a positive final grade, it is necessary to pass written and practical tests and written final exam. The final grade in the subject is the result of exam (60%) and tests (40%) results.				
Teaching base:		The didactic part of the workshops and lectures will be conducted in classrooms of the Dep Horse Clinic in Wolica. Clinical laboratories will be conducted in Horse Clinic.	artment of Large	Animals and		

Mandatory and supportive materials :

- 1. A.M. Johnston: Equine Medical Disorders, Second Edition, Blackwell Scientific Publication, 1994
- 2. D.H. Lloyd, J.D. Littlewood, J. M. Craig and L.R. Thomsett: Practical Equine Dermatology. Blackwell Science, 2003

3. M. Furr, S. Reed: Equine Neurology. Blackwell Publishing, 2008

4. M. Patteson : Equine Cardiology, Blackwell Science, 1996

5. M. R. Paradis: Equine Neonatal Medicine. Saunders Elsevier, 2006

6. O. M. Radostits, C.C. Gay, K. W. Hinchcliff, P. D. Constable: Veterinary Medicine 10th Edition, Saunders Elsevier, 2007

Relevant scientific publications including those of the module coordinator. ANNOTATIONS

* 3 – complete and detailed, 2 – moderate, 1 – basic.

Quantitative summary of the module:

Estimated number of work hours per student (contact and self-study) essential to achieve presumed learning outcomes of the module - base for quantifying ECTS:	75 h
Total ECTS points, accumulated by students during contact learning:	2 ECTS