

Module title:	Equine geriatrics and chronic diseases	ECTS	2
Polish translation:	Geriatra i choroby przewlekłe koni		
Course:	Veterinary Medicine		

Module language:	English	Stage: JM-FVM	
Form of studies: ☒ intramural ☐ extramural	Type of module: ☐ basic ☐ mandatory ☒ directional ☒ elective	Semester: 11	☒ winter semester ☐ summer semester
Academic year:		2021-2022	Catalogue number: FVM-V-JMSS-11W-ED37_23

Module coordinator:	Małgorzata Wierzbicka, PhD, DVM		
Teachers responsible for the module:	Academic teachers of the Institute of Veterinary Medicine; Department of Large Animal Diseases with Clinic; PhD students in accordance to the internal legal acts; visiting professors; other specialists in the field of study		
Unit responsible for the module:	The Institute of Veterinary Medicine; Department of Large Animal Diseases with Clinic		
Faculty in charge:	Faculty of Veterinary Medicine		
Objectives of the module:	The program of lectures and clinical labs in field includes diagnosis and method of treatment in chronic equine diseases. Algorithms in chronic cardiorespiratory alteration in horse: - cough - nasal discharge - poor performance - dyspnea/ tachypnea - edema Algorithms in digestive alteration in horse: - colic - diarrhea - dysphagia Algorithms in endocrine alteration in horse Practical course is realized extramurally and in the University clinic. During the practice students actively participate, under the responsible teachers advisory, in medical and veterinary practice, perform general and detailed diagnostics of equine diseases (e.g. endoscopy, ECG examination with Holter), identify pathological disorders with special inclusion of diagnostic period, analyze the causes of internal diseases, gain practical skills in disease identification, performing basic treatments and taking samples for laboratory examination.		
Teaching forms, number of hours:	a) Lectures: 10 h b) Practicals: 10 h c) Field exercises: 10 h		
Teaching methods:	Lectures: multimedia presentations by IMW employees responsible for conducting lectures. Clinical/laboratory 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:	Animal anatomy, Animal physiology, Biochemistry, Clinical and laboratory diagnostics, Veterinary pharmacology, Animal nutrition and feeding, Pathophysiology, Equine diseases		
Learning outcomes:	Knowledge: Student: 1 - knows the pathomechanisms and clinical course of diseases 2 - knows the rules for conducting interviews and physical examination of animals 3 - knows the rules for treating diseases 4 - knows the principles of differential diagnosis of diseases 5 - knows the principles of disease monitoring based on clinical data and the results of laboratory and additional tests	Skills: Student: 1- knows how to get history taking about animal's disease and environment 2- knows how to safely conduct a veterinary medical examination of the animal 3- based on the interview and general examination knows how to coordinate and perform the appropriate detailed examination and additional tests 4 - knows how to carry out differential diagnostics 5- knows how to coordinate appropriate treatment with the patient - including pharmacotherapy, diet therapy 6- knows how to conduct medical and veterinary documentation	Competences: Students: 1 - presents an attitude consistent with veterinary deontology and the Veterinary Doctor's Code of Ethics 2 - is ready to take responsibility for his actions and decisions 3 - is aware of the continuous development of science and is ready to expand and update knowledge

		7- knows how to collect material for additional tests and interpret the results obtained	
Assessment methods:	Assessment resulting from the observation of the student's activity and knowledge during classes and preparation of case study essay. No extra assessment methods are anticipated. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.		
Formal documentation of learning outcomes:	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 grade:	Students' knowledge and activity during lessons – 50% Essay – 50%		
Teaching base:	Lectures and classes in the subject will be conducted at the Clinic of the Department of Large Animal Diseases with the Clinic at Wolica. Practical course is realized in stable in field and at University clinic.		
Mandatory and supportive materials : 1. Bradfort P. Smith. Large animal internal medicine. MOSBY St. Louis London Philadelphia Sydney Toronto, 2005. 2. Steven L. Stockham, Michael A. Scott. Fundamentals of veterinary clinical pathology. Iowa State Press. 2002			
ANNOTATIONS			

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:	35 h
Total ECTS points, accumulated by students during contact learning:	1 ECTS

Learning outcomes of the module relative to the learning outcomes of the subject:

Outcome category	Learning outcomes:	Learning outcomes relative to the course outcomes	Impact on the course outcomes*)
Knowledge -1	Student knows the pathomechanisms and clinical course of diseases	B.W.3	2
Knowledge -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
Knowledge -4	Student knows the principles of differential diagnosis of diseases	B.W.4	3
Knowledge -5	Student knows the principles of disease monitoring based on clinical data and the results of laboratory and additional tests	B.W.6	3
Knowledge -6	Student knows the rules of conducting medical and veterinary documentation	B.W.6	2
Skills -1	Student knows how to get history taking about animal's disease and environment	B.U.2	3
Skills -2	Student knows how to safely conduct a veterinary medical examination of the animal	B.U.3; B.U.1	3
Skills -3	Student based on the interview and general examination knows how to coordinate and perform the appropriate detailed examination and additional tests	B.U.4	2
Skills -4	Student knows how to carry out differential diagnostics	B.U.4	3
Skills -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
Skills -6	Student knows how to conduct medical and veterinary documentation	B.U.6	2
Skills -7	Student knows how to collect material for additional tests and interpret the results obtained	B.U.6	3
Competences -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
Competences -3	Student is aware of the continuous development of science and is ready to expand and update knowledge	KS.4	1