



SZKOŁA GŁÓWNA
GOSPODARSTWA
WIEJSKIEGO

Equine geriatrics and chronic diseases

Educational subject description sheet

Basic information

Field of study Veterinary Medicine	Didactic cycle 2024/25	
Speciality -	Subject code WETFVMS_D.5400.04221.24	
Organizational unit Faculty of Veterinary Medicine	Lecture languages english	
Study level long-cycle	Mandatory Elective subjects	
Study form full-time studies	Block Major subjects	
Education profile General academic	Disciplines Veterinary medicine	
Coordinator	Małgorzata Wierzbicka	
Teacher	Małgorzata Wierzbicka	
Period Semester 11	Examination Pass with grade	Number of ECTS points 2
	Activities and hours Lecture: 10 Clinical classes: 20	

Goals

Code	Goal
C1	The program of lectures and clinical labs in field includes diagnosis and method of treatment in chronic equine diseases.

Entry requirements

Animal anatomy, Animal physiology, Biochemistry, Clinical and laboratory diagnostics, Veterinary pharmacology, Animal nutrition and feeding, Pathophysiology, Equine diseases

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
W1	the pathomechanisms and clinical course of diseases	B.W3	Essay, Assessment of activity during classes
W2	the rules for conducting interviews and physical examination of animals	B.W5	Essay, Assessment of activity during classes
W3	the rules for treating diseases	B.W3	Essay, Assessment of activity during classes
W4	the principles of differential diagnosis of diseases	B.W4	Essay, Assessment of activity during classes
W5	the principles of disease monitoring based on clinical data and the results of laboratory and additional tests	B.W6	Assessment of activity during classes
W6	the rules of conducting medical and veterinary documentation	B.W6	Assessment of activity during classes
Skills - Student can:			
U1	get history taking about animal's disease and environment	B.U2, B.U5	Assessment of activity during classes
U2	safely conduct a veterinary medical examination of the animal	B.U1, B.U3	Assessment of activity during classes
U3	based on the interview and general examination knows how to coordinate and perform the appropriate detailed examination and additional tests	B.U3, B.U4	Assessment of activity during classes
U4	carry out differential diagnostics	B.U3, B.U4	Assessment of activity during classes
U5	coordinate appropriate treatment with the patient - including pharmacotherapy, diet therapy	B.U10, B.U13, B.U9	Assessment of activity during classes
U6	conduct medical and veterinary documentation	B.U6	Assessment of activity during classes
U7	collect material for additional tests and interpret the results obtained	B.U6	Assessment of activity during classes
Social competences - Student is ready to:			
K1	take responsibility for his actions and decisions	KS.1	Assessment of activity during classes
K2	presents an attitude consistent with veterinary deontology and the Veterinary Doctor's Code of Ethics	KS.2	Assessment of activity during classes
K3	aware of the continuous development of science and is ready to expand and update knowledge	KS.4, KS.8	Assessment of activity during classes

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Lecture 10 h 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	W1, W2, W3	Lecture
2.	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.	W1, W2, W3, W4, W5, W6, U1, U2, U3, U4, U5, U6, U7, K1, K2, K3	Clinical classes

Course advanced

Activities	Methods of conducting classes
Lecture	Lecture
Clinical classes	Case study, Discussion, Teamwork, Observation, Field observations

Activities	Examination method	Percentage
Lecture	Essay	50%
Clinical classes	Assessment of activity during classes	50%

Activities	Credit conditions
Lecture	Essey
Clinical classes	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

Literature

Obligatory

1. Current therapy in equine medicine. 6th ed. N.E. Robinson, K.A. Sprayberry. Saunders Elsevier, 2009.
2. Equine Internal, D.B. Sellon, M.B. Reed, M.B. Warwick, Saunders, 2017
3. Equine internal Medicine, T.S. Mair , T.S. Divers, Apple Academic Press Inc. 2015

Optional

1. Equine Cardiology, Patterson M. Black Science, 1996
2. Manual of equine gastroenterology. T. Mair, T. Divers, N. Ducharme. Saunders, 2002
3. Equine dermatology. D.W. Scott, W.H. Miller. Saunders, 2003
4. Equine neurology. M. Furr, Reed S. John Wiley and Sons, Inc, 2015
5. Large Animal Internal Medicine. Smith B.P. Elsevier Ltd. 2019

Calculation of ECTS points

Activity form	Activity hours*
Lecture	10
Clinical classes	20
Self-study on the content covered in class	30
Student workload	Hours 60
Number of ECTS points	ECTS 2

* hour means 45 minutes

Effects

Code	Content
KS.1	Absolwent jest gotów do wykazywania odpowiedzialności za podejmowane decyzje wobec ludzi, zwierząt i środowiska przyrodniczego
KS.2	Absolwent jest gotów do prezentowania postawy zgodnej z zasadami etycznymi i podejmowania działań w oparciu o kodeks etyki w praktyce zawodowej oraz do wykazywania tolerancji dla postaw i zachowań wynikających z odmiennych uwarunkowań społecznych i kulturowych
KS.4	Absolwent jest gotów do korzystania z obiektywnych źródeł informacji
KS.8	Absolwent jest gotów do pogłębiania wiedzy i doskonalenia umiejętności
B.U1	Absolwent potrafi bezpiecznie i humanitarnie postępować ze zwierzętami oraz instruować innych w tym zakresie
B.U2	Absolwent potrafi przeprowadzić wywiad lekarsko-weterynaryjny w celu uzyskania dokładnej informacji o pojedynczym zwierzęciu lub grupie zwierząt oraz jego lub ich środowisku bytowania
B.U3	Absolwent potrafi przeprowadzać pełne badanie kliniczne zwierzęcia
B.U4	Absolwent potrafi udzielać pierwszej pomocy zwierzętom w przypadku krwotoku, ran, zaburzeń oddechowych, urazów oka i ucha, utraty przytomności, wyniszczenia, oparzenia, uszkodzenia tkanek, obrażeń wewnętrznych i zatrzymania pracy serca
B.U5	Absolwent potrafi oceniać stan odżywienia zwierzęcia oraz udzielać porad w tym zakresie
B.U6	Absolwent potrafi pobierać i zabezpieczać próbki do badań oraz wykonywać standardowe testy laboratoryjne, a także prawidłowo analizować i interpretować wyniki badań laboratoryjnych
B.U9	Absolwent potrafi pozyskiwać i wykorzystywać informacje o weterynaryjnych produktach leczniczych dopuszczonych do obrotu
B.U10	Absolwent potrafi przepisywać i stosować weterynaryjne produkty lecznicze oraz materiały medyczne, z uwzględnieniem ich bezpiecznego przechowywania i utylizacji
B.U13	Absolwent potrafi dobierać i stosować właściwe leczenie
B.W3	Absolwent zna i rozumie przyczyny i objawy zmian anatomopatologicznych, zasady leczenia i zapobiegania w poszczególnych jednostkach chorobowych
B.W4	Absolwent zna i rozumie zasady postępowania diagnostycznego, z uwzględnieniem diagnostyki różnicowej, oraz postępowania terapeutycznego
B.W5	Absolwent zna i rozumie zasady przeprowadzania badania klinicznego i monitorowania stanu zdrowia zwierząt
B.W6	Absolwent zna i rozumie sposób postępowania z danymi klinicznymi i wynikami badań laboratoryjnych i dodatkowych