Equine emergency and field practice
Educational subject description sheet

Basic information

Field of study Veterinary Medicine	**Didactic cycle** 2024/25
Speciality -	**Subject code** WETFVMS_D.5200K.04219.24
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	Olga Witkowska-Piłaszewicz
Teacher	Olga Witkowska-Piłaszewicz

Period Semester 10	Examination Pass with grade Activities and hours Lecture: 15 Clinical classes: 15	Number of ECTS points 2

Goals

Code	Goal
C1	The main goal of the course is to provide Students theoretical and practical skills based on clinical cases form field equine practise. The course involves lectures which are based on clinical case scenarios. It allows Students to go through history, investigations, diagnosis, and management of the patients.

Entry requirements

Parasitology and invasiology, Veterinary pharmacology, Clinical and laboratory diagnostics, Pathophysiology, Patomorphology

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	- the major pathologies associated with equine filed practise - the diagnostic algorithms used in equine field practice - basic treatment protocols used in equine field practice - how to handle clinical data and the results of laboratory and additional tests	B.W3, B.W4, B.W5, B.W6	Presentation, Assessment of activity during classes
Skills – Student can:			
U1	- use basic diagnostic algorithms in equine filed practice - conduct a full clinical examination in equides - perform basic procedures used in equine filed practice - gather the patient's history - interpret the basic diagnostic tests, propose the differential diagnosis and treatment protocol	B.U13, B.U2, B.U3, B.U7	Presentation, Assessment of activity during classes
Social competences – Student is ready to:			
K1	- demonstrating responsibility for decisions made towards people, animals and the natural environment - use objective sources of information - formulate conclusions from their own measurements or observations - deepen knowledge and improve skills - operate in conditions of uncertainty and stress	KS.1, KS.10, KS.4, KS.5, KS.8	Presentation, Assessment of activity during classes

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	During the labs basic procedures performed in field equine practise will be implemented as well as how the communication skills with the client will be practiced. At the end of the course students are going to prepare and present their own cases to the rest of the group to confirm that they have gained the diagnostic and management skills. LECTURE TOPICS [15 hours]: ·　Colic management ·　Diarrhea in the adult horse and foals ·　Fluid therapy and blood products ·　Heart murmurs ·　Dermatological cases ·　Basic USG examination ·　Lameness - cases LABS TOPICS [15 hours]: ·　Ophthalmology (nerves blocks, eye injections, superficial keratectomy, eyelids wounds management, USG) ·　Haematology (blood smears, laboratory profiles, cross matching, cytology) ·　Exercise testing ·　Wound management ·　Case studies discussion	W1, U1, K1	Lecture, Clinical classes

Course advanced

Activities	Methods of conducting classes
Lecture	Lecture, Presentation
Clinical classes	Case study, Discussion, Brainstorm, Presentation, Problem solving, Analysis of source materials, Teamwork, Individual work, Field measurements, Field observations

Activities	Examination method	Percentage
Lecture	Assessment of activity during classes	5%
Clinical classes	Presentation	95%

Activities	Credit conditions
Lecture	Discussion during the lecture.
Clinical classes	Evaluation of the clinical cases prepared by student (0-10 points). Additional points could be added to the final score (max. of 10 points) if student is active during the classes (correctly answer the questions and resolve the cases).

Literature

Obligatory

1. Equine Emergency and Critical Care Medicine, James A. Orsini, Thomas J. Divers, 2014
2. Equine Internal Medicine, Debra C. Sellon, Stephen M. Reed, Warwick M. Bayly, 2017
3. Equine Ophthalmology, Brian C. Gilger, 2022

Optional

1. Equine Hematology, Cytology, and Clinical Chemistry Raquel M. Walton, Rick L. Cowell, Amy C. Valenciano, 2021
2. Equine Wound Management, Christine L. Theoret, Jim Schumacher, 2016
3. Schalm's Veterinary Hematology, Douglas J. Weiss, K. Jane Wardrop, 2010
4. Equine Sports Medicine and Surgery. Kenneth W. Hinchcliff, Andris J. Kaneps and Raymond J. Geor. 2014
5. Witkowska-Piłaszewicz OD, Żmigrodzka M, Winnicka A, Miśkiewicz A, Strzelec K, Cywińska A. Serum amyloid A in equine health and disease. Equine Vet J. 2019 May;51(3):293-298. doi: 10.1111/evj.13062.

Calculation of ECTS points

Activity form	Activity hours*
Lecture	15
Clinical classes	15
Preparation of a multimedia presentation	30
Student workload	**Hours** 60
Number of ECTS points	**ECTS** 2

* hour means 45 minutes

Effects

Code	Content
KS.1	label.effect.prefix.competenceAbsolwent jest gotów do wykazywania odpowiedzialności za podejmowane decyzje wobec ludzi, zwierząt i środowiska przyrodniczego
KS.4	label.effect.prefix.competenceAbsolwent jest gotów do korzystania z obiektywnych źródeł informacji
KS.5	label.effect.prefix.competenceAbsolwent jest gotów do formułowania wniosków z własnych pomiarów lub obserwacji
KS.8	label.effect.prefix.competenceAbsolwent jest gotów do pogłębiania wiedzy i doskonalenia umiejętności
KS.10	label.effect.prefix.competenceAbsolwent jest gotów do działania w warunkach niepewności i stresu
B.U2	label.effect.prefix.skillAbsolwent potrafi przeprowadzić wywiad lekarsko-weterynaryjny w celu uzyskania dokładnej informacji o pojedynczym zwierzęciu lub grupie zwierząt oraz jego lub ich środowisku bytowania
B.U3	label.effect.prefix.skillAbsolwent potrafi przeprowadzać pełne badanie kliniczne zwierzęcia
B.U7	label.effect.prefix.skillAbsolwent potrafi stosować aparaturę diagnostyczną, w tym radiologiczną, ultrasonograficzną i endoskopową, zgodnie z jej przeznaczeniem i zasadami bezpieczeństwa dla zwierząt i ludzi oraz interpretować wyniki badań uzyskane po jej zastosowaniu
B.U13	label.effect.prefix.skillAbsolwent potrafi dobierać i stosować właściwe leczenie
B.W3	label.effect.prefix.knowledgeAbsolwent zna i rozumie przyczyny i objawy zmian anatomopatologicznych, zasady leczenia i zapobiegania w poszczególnych jednostkach chorobowych
B.W4	label.effect.prefix.knowledgeAbsolwent zna i rozumie zasady postępowania diagnostycznego, z uwzględnieniem diagnostyki różnicowej, oraz postępowania terapeutycznego
B.W5	label.effect.prefix.knowledgeAbsolwent zna i rozumie zasady przeprowadzania badania klinicznego i monitorowania stanu zdrowia zwierząt
B.W6	label.effect.prefix.knowledgeAbsolwent zna i rozumie sposób postępowania z danymi klinicznymi i wynikami badań laboratoryjnych i dodatkowych