



SZKOŁA GŁÓWNA  
GOSPODARSTWA  
WIEJSKIEGO

## Equine emergency and field practice

### Educational subject description sheet

#### Basic information

<b>Field of study</b> Veterinary Medicine	<b>Didactic cycle</b> 2024/25
<b>Speciality</b> -	<b>Subject code</b> WETFVMS_D.5200.04219.24
<b>Organizational unit</b> Faculty of Veterinary Medicine	<b>Lecture languages</b> english
<b>Study level</b> long-cycle	<b>Mandatory</b> Elective subjects
<b>Study form</b> full-time studies	<b>Block</b> Major subjects
<b>Education profile</b> General academic	<b>Disciplines</b> Veterinary medicine
<b>Coordinator</b>	Olga Witkowska-Piłaszewicz
<b>Teacher</b>	Olga Witkowska-Piłaszewicz
<b>Period</b> Semester 10	<b>Examination</b> Pass with grade
	<b>Activities and hours</b> Lecture: 15 Clinical classes: 15
	<b>Number of ECTS points</b> 2

#### Goals

Code	Goal
C1	The main goal of the course is to provide Students theoretical and practical skills based on clinical cases from 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
<b>Knowledge - Student knows and understands:</b>			
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
<b>Skills - Student can:</b>			
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
<b>Social competences - Student is ready to:</b>			
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.	<p>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.</p> <p>LECTURE TOPICS [15 hours]:</p> <ul style="list-style-type: none"> <li>· Colic management</li> <li>· Diarrhea in the adult horse and foals</li> <li>· Fluid therapy and blood products</li> <li>· Heart murmurs</li> <li>· Dermatological cases</li> <li>· Basic USG examination</li> <li>· Lameness - cases</li> </ul> <p>LABS TOPICS [15 hours]:</p> <ul style="list-style-type: none"> <li>· Ophthalmology (nerves blocks, eye injections, superficial keratectomy, eyelids wounds management, USG)</li> <li>· Haematology (blood smears, laboratory profiles, cross matching, cytology)</li> <li>· Exercise testing</li> <li>· Wound management</li> <li>· Case studies discussion</li> </ul>	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
<b>Student workload</b>	<b>Hours</b> 60
<b>Number of ECTS points</b>	<b>ECTS</b> 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.4	Absolwent jest gotów do korzystania z obiektywnych źródeł informacji
KS.5	Absolwent jest gotów do formułowania wniosków z własnych pomiarów lub obserwacji
KS.8	Absolwent jest gotów do pogłębiania wiedzy i doskonalenia umiejętności
KS.10	Absolwent jest gotów do działania w warunkach niepewności i stresu
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.U7	Absolwent 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	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