



SZKOŁA GŁÓWNA
GOSPODARSTWA
WIEJSKIEGO

Herd health management in small ruminants

Educational subject description sheet

Basic information

Field of study Veterinary Medicine	Didactic cycle 2024/25	
Speciality -	Subject code WETFVMS_D.5200K.01811.24	
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 10	Examination Pass with grade	Number of ECTS points 1
	Activities and hours Lecture: 5 Laboratory exercises: 10 Seminar exercises: 15	

Goals

Code	Goal
C1	Program includes diagnosis and method of treatment of sheep's and goat's diseases. Internal diseases: diseases caused by deficiency of vitamins, micro- and macro-elements; dermatology (parasites, viral and mycotic diseases); diseases of respiratory tract; diseases of digestive tract; diseases of nervous system; diseases of the hoof. Reproduction: gynaecology; obstetrics. Practical course is realized on sheep or goat farm and at University clinic. During the practice students: actively participate, under their responsible teachers advisory, in medical and veterinary practice, perform general and detailed diagnostics of small ruminants diseases using field diagnostic tests, identify pathological disorders with special inclusion of diagnostic period, analyse the causes of internal diseases and herds health disorders and apply adequate treatment (e.g. hoof trimming, deworming); gain practical skills in disease identification field and herds health management, performing basic treatments and taking samples for laboratory examination (e.g. examination of the skin, additional tests: scrub test, trichogram, culture, parasitological examination of faeces, rumen fluid analysis).

Entry requirements

Knowledge of anatomy, animal physiology, biochemistry, clinical and laboratory diagnostics, pharmacology, animal nutrition, pathophysiology, farm animal internal 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.W2, B.W3	Essay, Assessment of activity during classes
W2	the rules for conducting interviews and physical examinations 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	Essay, Assessment of activity during classes
W6	the rules for conducting medical and veterinary documentation	B.W6	Assessment of activity during classes
Skills - Student can:			
U1	collect a history of animal diseases and the environment	B.U2	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	coordinate and perform the appropriate detailed examination and additional tests	B.U3, B.U4, B.U6	Assessment of activity during classes
U4	carry out differential diagnostics	B.U4, B.U6	Assessment of activity during classes
U5	coordinate appropriate treatment with the patient - including pharmacotherapy, diet therapy	B.U10, B.U13, B.U5, B.U9	Assessment of activity during classes

Code	Outcomes in terms of	Effects	Examination methods
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	continuously develop 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.	Lectures: multimedia presentations by IMW employees responsible for conducting lectures 5 h	W1, W2, W3, W4	Lecture
2.	Practicals: 10 h Field exercises: 15 h 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.	W1, W2, W3, W4, W5, W6, U1, U2, U3, U4, U5, U6, U7, K1, K2, K3	Laboratory exercises, Seminar exercises

Course advanced

Activities	Methods of conducting classes
Lecture	Lecture, E-learning - lecture part
Laboratory exercises	Case study, Discussion, Teamwork, Laboratory (experiment), learning by experiment, Observation
Seminar exercises	Case study, Discussion, Teamwork, Observation, Field measurements, Field observations

Activities	Examination method	Percentage
Lecture	Essay	50%
Laboratory exercises	Assessment of activity during classes	25%
Seminar exercises	Assessment of activity during classes	25%

Activities	Credit conditions
Lecture	Essay

Activities	Credit conditions
Laboratory exercises	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
Seminar exercises	In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.

Literature

Obligatory

1. Bradfort P. Smith. Large animal internal medicine. MOSBY St. Louis London Philadelphia Sydney Toronto, 2005
2. Pugh D.G. Sheep and goat medicine. W.B. Saunders Company. Philadelphia, Pennsylvania, 2002
3. Smith B.P. Large Animal Internal Medicine. Elsevier Ltd. 2019

Optional

1. Aitken I.D. Diseases of sheeps, 4 th edition. Wiley-Blackwell. 2007.
2. Constable P.D., Hinchcliff K. W., Done S.H., Gruenberg W. Veterinary Medicine. Elsevier Books. 2-16.
3. Noakes D.E., Parkinson T.J. Veterinary Reproduction and Obstetrics. England 9th ed. Sauders, Elsevier, 2009
4. Baker A H. Diseases of Sheep - How to Know Them; Their Causes, Prevention and Cure - Containing Extracts from Livestock for the Farmer and Stock Owner. Read Books, 2011.
5. West D.M., Bruere A.N., Ridler A.L. The Sheep: Health, Diseases and Production. Massey University Press, 2018.

Calculation of ECTS points

Activity form	Activity hours*
Lecture	5
Laboratory exercises	10
Seminar exercises	15
Student workload	Hours 30
Number of ECTS points	ECTS 1

* 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.2	label.effect.prefix.competenceAbsolwent 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	label.effect.prefix.competenceAbsolwent jest gotów do korzystania z obiektywnych źródeł informacji
KS.8	label.effect.prefix.competenceAbsolwent jest gotów do pogłębiania wiedzy i doskonalenia umiejętności
B.U1	label.effect.prefix.skillAbsolwent potrafi bezpiecznie i humanitarnie postępować ze zwierzętami oraz instruować innych w tym zakresie
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.U4	label.effect.prefix.skillAbsolwent 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	label.effect.prefix.skillAbsolwent potrafi oceniać stan odżywienia zwierzęcia oraz udzielać porad w tym zakresie
B.U6	label.effect.prefix.skillAbsolwent potrafi pobierać i zabezpieczać próbki do badań oraz wykonywać standardowe testy laboratoryjne, a także prawidłowo analizować i interpretować wyniki badań laboratoryjnych
B.U9	label.effect.prefix.skillAbsolwent potrafi pozyskiwać i wykorzystywać informacje o weterynaryjnych produktach leczniczych dopuszczonych do obrotu
B.U10	label.effect.prefix.skillAbsolwent potrafi przepisywać i stosować weterynaryjne produkty lecznicze oraz materiały medyczne, z uwzględnieniem ich bezpiecznego przechowywania i utylizacji
B.U13	label.effect.prefix.skillAbsolwent potrafi dobierać i stosować właściwe leczenie
B.W2	label.effect.prefix.knowledgeAbsolwent zna i rozumie mechanizmy patologii narządowych i ustrojowych
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