SZKOŁA GŁÓWNA GOSPODARSTWA WIEJSKIEGO

Cardiology diagnostics in small animals

Educational subject description sheet

Basic information

Field of study Veterinary Medicine	**Didactic cycle** 2024/25
Speciality -	**Subject code** WETFVMS_D.5400K.01799.24
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	Marta Parzeniecka-Jaworska
Teacher	Marta Parzeniecka-Jaworska

Period	**Examination**	**Number of ECTS points**
Semester 11	Pass with grade **Activities and hours** Laboratory exercises: 3 Seminar exercises: 12	1

Goals

Code	Goal
C1	The aim of the course is to provide students with the basic diagnostic methods used in small animal cardiology.

Entry requirements

Passing the courses: Clinical and laboratory diagnostics

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	the basic methods of a cardiologic clinical examination	B.W4, B.W5	Written credit
W2	a basic interpretation of the results of the cardiologic examination	B.W2, B.W3, B.W5	Written credit
W3	the most frequent heart diseases in dogs and cats	B.W3, B.W8	Written credit
Skills – Student can:			
U1	perform additional cardiologic examination (X-ray, echo, ECG, blood pressure)	B.U7	Written credit
U2	interpret of additional cardiologic examinations	B.U1, B.U2, B.U3	Written credit
Social competences – Student is ready to:			
K1	perform cardiac examination independently and decide on the necessity of additional tests	KS.5, KS.8	Written credit

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	SEMINARS TOPICS: 1. Basic terminology. Signalment and history [2 h] 2. Physical examination of the cardiologic patient [2 h] 3. Additional examinations in diagnosis of heart disease including the ECG, radiology, echocardiography, blood pressure measurements [4 h] 4. Diagnosis of cardiogenic cough [2 h] 5. Congenital heart disease and acquired heart disease [5 h]	W1, W2, W3, U1, U2, K1	Laboratory exercises, Seminar exercises

Course advanced

Activities	Methods of conducting classes
Laboratory exercises	Lecture, Conversation lecture, Case study, Discussion
Seminar exercises	Case study, Teamwork, Measurement

Activities	Examination method	Percentage
Laboratory exercises	Written credit	70%
Seminar exercises	Written credit	30%

Activities	Credit conditions
Laboratory exercises	The student is obliged to: Complete the test at the end of the semester - 20 questions (single-choice test) with the possibility of improvement in the second term (if the minimum number of points is not obtained). 1 point is awarded for every correct answer, 14 points are required to pass. Both terms have the same form. No extra assessment methods are anticipated. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.
Seminar exercises	The student is obliged to: Complete the test at the end of the semester - 20 questions (single-choice test) with the possibility of improvement in the second term (if the minimum number of points is not obtained). 1 point is awarded for every correct answer, 14 points are required to pass. Both terms have the same form. No extra assessment methods are anticipated. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted. Attendance to the lectures and active participation in classes are mandatory, according to the general academic regulations, the student can be absent on 20% of classes. The final grade entered in the eHMS is 100% based on the test, graded according to the scale: 0-20 points niedostateczny (not pass 2,0), 21-22 points dostateczny (3,0), 23-24 points dostateczny plus (3,5), 25-26 points dobry (4,0), 27-28 points dobry plus (4,5), 29-30 points bardzo dobry (5,0)

Literature

Obligatory

1. 1. Manual of Canine and Feline Cardiology, Tilley L.P., Smith Jr F.W.K., Oyama M.A., Sleeper M.M., 2015 2. Cardiorespiratory diseases of the dog and cat, Martin M., Concoran B., 1997 3. Small Animal ECGs: An Introductory Guide, Martin M.,2015 4. Relevant scientific publications, including those of the module coordinator.

Calculation of ECTS points

Activity form	Activity hours*
Laboratory exercises	3
Seminar exercises	12
Conducting literature research	8
Preparation for the exam	7
Student workload	**Hours** 30
Number of ECTS points	**ECTS** 1

* hour means 45 minutes

Effects

Code	Content
KS.5	Absolwent jest gotów do formułowania wniosków z własnych pomiarów lub obserwacji
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.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.W2	Absolwent zna i rozumie mechanizmy patologii narządowych i ustrojowych
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.W8	Absolwent zna i rozumie sposób postępowania w przypadku podejrzenia lub stwierdzenia chorób podlegających obowiązkowi zwalczania lub rejestracji