Syllabus

Module title:	Veterinary otology		ECTS	1
Polish translation:	Choroby narządu słuchu zwierząt			
Course:	**Veterinary medicine**			

Module language: English			Stage: JM	
Form of studies: ■ intramural ☐ extramural	Type of module: ☐ basic ■ directional ☐ accessory ☐ rotation ☐ summer practice	☐ mandatory ■ elective	Semester: …11…….. Year 6	☐ winter semester ■ summer semester
		Academic year:	Intake 2019/2020	Catalogue number: FVM-V-JMSS-10S-E89_19

Module coordinator:	dr hab. Michał Skibniewski
Teachers responsible for the module:	dr hab. Michał Skibniewski
Unit responsible for the module:	Department of Morphological Sciences
Faculty in charge:	Faculty of Veterinary Medicine
Objectives of the module:	As part of the course, knowledge about small animal otology, especially dogs and cats, will be provided. Teaching takes place in groups of several people. Students will learn to describe and identify disease entities in a given species using the correct denominations during the course. The specificity of the course will include issues such as the morphology of the vestibulocochlear organ and its morphological and physiological connections with the nervous system, etiology, pathogenesis, and therapy of selected ear diseases in dogs and cats, as well as curative and surgical procedures in these species. Classes will be conducted in lectures (6h) each time preceding the exercises (9h) for each group. The lectures always introduce the subject of the exercises that have been conducted. The lectures are always an integral introduction to the tutorials covering manual issues that were presented during the theoretical part of the lectures.
Teaching forms, number of hours:	a) Lectures: 6 h b) Practicals: 9 h
Teaching methods:	Lectures: multimedia presentations discussing practical and clinical aspects of the veterinary otology of dogs and cats. Laboratory practicals provide for own work in groups of 1-3 people at each workplace using the material of the Department of Morphological Sciences. Students work with preparations in subgroups of their choice regarding identifying individual structures, descriptive elements of organs, and species belonging through analysis and palpation. Checking theoretical knowledge during written tests and practical skills during preparations. Multimedia teaching programs using the SECTRA educational table. Consultations outside the regular series of classes - the organization of consultations will be determined by the subject coordinator at the beginning of the semester. The course coordinator will define the classes' detailed schedule and thoroughly organize consultations at the beginning of the semester.
Formal prerequisites and initial requirements:	Animal anatomy modules 1-2, Topographical anatomy, General surgery and anaesthesiology, Dog and cat diseases, Parasitology and invasiology modules 1-2, Veterinary pharmacology, modules 1-2 Basic knowledge of eye and accessory visual structures anatomy
Learning outcomes:	Knowledge: 1- knows the anatomy of the head of dogs and cats 2 - knows selected ear diseases in dogs and cats 3 - knows procedures in the field of ear diagnostics and surgery for dogs and cats.	Skills: 4 - can independently interview and examine the patient in preserved consciousness and under general anesthesia 5 - can recognize selected ear diseases in dogs and cats 6 - can carry out surgical procedures such as Total Ear Canal Ablation (TECA), Ventral Bulla Osteotomy (VBO), Lateral Bulla Osteotomy (LBO)	Competences: 7 - is ready to carry out selected ear procedures in dogs and cats independently 8 - can analytically think and combine facts based on acquired knowledge and implement them during animal treatment
Assessment methods:	Final written test (multiple choice). A percent scale is used to grade the exams.
Formal documentation of learning outcomes:	- final examination sheet - grade written into the electronic grading system eHMS

Elements impelling final grade:	The result of the final test-100% maximal number of points – 100 0% - 69.5% max points – failed (2) 70% - 74.5% max points – sufficient (3) 75% - 79.5% max points – sufficient plus (3.5) 80% - 84.5% max points – good (4) 85% - 89.5 % max points – very good (4.5) 90% - 100 % max points – excellent (5)
Teaching base:	Lecture rooms and Small Animal Clinic

Mandatory and supportive materials :
Lecture materials

1. Fossum T.W., Small animal surgery, 4th edition., 2012, Mosby
2. Harvey R.G., Harari J., Delauche A.J., Ear diseases of the dog and cat, Manson Publishing 2001, London
3. Devitt C.M., Seim H.B., Willer R., McPherron M., Neely M., Passive drainage versus primary closure after total ear canal ablation-lateral bulla osteotomy in dogs: 59 dogs (1985-1995). Veterinary Surgery, 1997, 26: 210-216
4. Cole L.C., Anatomy and physiology of the canine ear. Veterinary Dermatology, 2009, 20: 412-421
5. Harari J., Small animal surgery, 1996, Williams and Wilkins, Baltimore
6. Koenig H.E., Veterinary Anatomy Domestic Mammals - Textbook and Colour Atlas. Blackwell Science. 2009
7. K. M. Dyce, Wolfgang O. Sack, C. J. G. Wensing Textbook of Veterinary Anatomy 3rd edition. Elsevier. 2009

Relevant scientific publications, including those of the module coordinator.

ANNOTATIONS
max. 6 students/group

Quantitative summary of the module:

Estimated number of work hours per student (contact and self-study) essential to achieve presumed learning outcomes of the module - base for quantifying ECTS:	…30…. h
Total ECTS points, accumulated by students during contact learning:	…1. ECTS

Learning outcomes of the module relative to the learning outcomes of the subject:

Outcome category	Learning outcomes:	Learning outcomes relative to the course outcomes	Impact on the course outcomes*)
Knowledge -	1 - knows the anatomy of the head of dogs and cats	B.W.3, B.W.4, B.W.5, B.W.6	3
		B.W.1, B.W.2	1
Knowledge -	2 - knows selected ear diseases in dogs and cats	B.W.3, B.W.4, B.W.5, B.W.6	3
		B.W.1, B.W.2	1
Knowledge -	3 - knows and knows procedures in the field of ear diagnostics and surgery in dogs and cats.	B.W.3, B.W.4, B.W.5, B.W.6	3
		B.W.1, B.W.2	1
Skills -	4 - can independently interview and examine the patient in preserved consciousness and under general anesthesia	B.U.2, B.U.3	3
		A.U.12	1
Skills -	5 - can recognize selected ear diseases in dogs and cats	B.U.3, B.U.4	3
		A.U.12, A.U.14	1
Skills -	6 - can carry out surgical procedures such as Total Ear Cana Ablation (TECA), Ventral Bulla Osteotomy (VBO), Lateral Bulla Osteotomy (LBO)	B.U.11, B.U 13	3
		A.U.14	2
		A.U.16, A.U.19, A.U.23	1
Competences -	7 - is ready to carry out selected oral procedures in dogs and cats independently	KS.2, KS.4, KS.5, K.6, K.8	3
		KS.1., KS.7, KS.9, KS.10	2

Competences -	8 - can analytically think and combine facts based on acquired knowledge and implement them during animal treatment	KS.2, KS.4, KS.5, K.6, K.8	3
		KS.1., KS.7, KS.9, KS.10	2

*)
3 – Significant and detailed,
2 – Partial,
1 – Basic,