

Module title:	Exotic animal medicine	ECTS	2
Polish translation:	Choroby Zwierząt Egzotycznych		
Course:	Veterinary Medicine		

Module language: English		Stage: JM-FVM	
Form of studies: ☒ intramural ☐ extramural	Type of module: ☐ basic ☒ directional	☐ mandatory ☒ elective	Semester: 11 ☒ winter semester ☐ summer semester
Academic year: 2020/2021		Catalogue number:	FVM-V-JMSS-11W-ED28_20

Module coordinator:	Aleksandra Ledwoń PhD hab. DVM		
Teachers responsible for the module:	Academic teachers of the Institute of Veterinary Medicine; Department of Pathology and Veterinary Diagnostics; PhD students in accordance to the internal legal acts; visiting professors; other specialists in the field of study		
Unit responsible for the module:	Institute of Veterinary Medicine, Department of Pathology and Veterinary Diagnostics		
Faculty in charge:	Faculty of Veterinary Medicine		
Objectives of the module:	The aim of the course is to familiarize students with popular species of exotic animals, and their most common health problems. Students learn how to diagnose diseases and perform treatment of the most common exotic animal species. Students acquire basic knowledge in the field of anatomy and physiology of selected species of invertebrates, amphibians, reptiles, birds and small mammals. They learn about the most common diseases in these animals. Subjects of the classes: 1. Necropsy examination of exotic animals [4h] 2. Clinical examination of exotic animals [3h] 3. Laboratory diagnostics of exotic animals diseases [4h] 4. Therapy of exotic animals diseases [3h] Subjects of the lectures: 1. Diseases of invertebrates [1h] 2. Diseases of amphibians [2h] 3. Diseases of reptiles [4h] 4. Diseases of small mammals [6h] The content of the lectures supplements the content of the laboratory classes.		
Teaching forms, number of hours:	a) Lectures; hours 24 b) Laboratory classes; hours 6		
Teaching methods:	Multimedia presentations, films, e-learning; seminars Methods for acquiring practical skills: post-mortem, clinical and microscopic examination. Detailed schedule will be defined by the coordinator of the course at the beginning of semester. Consultations of 1 hour per week. Detailed organization of consultations will be defined by the coordinator of the course at the beginning of semester.		
Formal prerequisites and initial requirements:	Animal anatomy, Animal physiology, Veterinary pharmacology		
Learning outcomes:	Knowledge: Student: - knows the anatomy and physiology of selected species of exotic animals - knows the most important infectious and invasive diseases occurring in exotic animals - knows most common deficiency, metabolic, endocrine and cancer diseases of exotic animals - knows the rules and methods of therapy for exotic animals	Skills: In selected species of exotic animals student: - is able to conduct a clinical trial - is able to perform an necropsy, prepares a necropsy protocol and correctly interprets its results - is able to perform basic therapeutic procedures	Competences: Student -formulates opinions about the state of health of exotic animals, which he/she examined - formulates a decision on the appropriate treatment of exotic animals. - critically assesses knowledge, update it and share experience with other veterinarians and animal owners - is aware of the necessity of continuous education and is ready to regularly use the deepening of knowledge, using scientific sources
Assessment methods:	Practical skills are verified during laboratory and clinical classes. Correct actions performed are recorded as completed. The condition of joining the theoretical credit is confirmation of the activity in the presence of the lecturer and in the case of necropsy examination, necropsy protocol. After completing the course, the learning outcomes are verified using a test. Single-choice test consisting of 30 questions. Questions from the content of classes and lectures with 4 proposed answers. 1 point for correct answer 0-16 points – unsatisfactory grade (2) 17-18 points, satisfactory grade (3) 19-21 points - satisfactory plus grade (3+) 22- 24 points good grade (4) 25-27 points - good plus grade (4+) 28-30 points - excellent grade (5)		

	If an unsatisfactory grade is obtained, a re-test in the same way. No extra assessment methods are anticipated. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.
Formal documentation of learning outcomes:	eHMS entry. Records collected in the course portfolio (general rules of the course, individual records of student results, necropsy protocols, presence lists, written assessments of the students)
Elements impelling final grade:	The condition of taking the final test is no more than 20% of absences or in accordance with the current study regulations Final grade - 100% final test
Teaching base:	Lecture facilities, laboratories and necropsy hall of the Institute of Veterinary Medicine, WULS animal quarters, Medical offices in the WULS Small Animal Clinic
Mandatory and supportive materials : 1. Carpenter Exotic Animal Formulary 2. Harcourt-Brown F. Textbook of Rabbit Medicine 3. Harrison G, Lighthfoot L. Clinical Avian Medicine 4. Keeble E., Meredith A. BSAVA Manual of Rodents and Ferrets 5. Mader D. Mader's Reptile and Amphibian Medicine and Surgery 6. Meredith A., Redrobe S. BSAVA Manual of Exotic Pets 7. Meredith A., Flecknell P. BSAVA Manual of Rabbit Medicine and Surgery 8. Mitchell MA, Tully TN., Jr. Manual of Exotic Pet Practice 9. Relevant scientific publications, including those of the module coordinator.	
ANNOTATIONS	

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:	45 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 each course outcomes
Knowledge -	knows the anatomy and physiology of selected species of exotic animals	A.W.1, AW11, A.W.20. B.W.11, B.W.13, A.W. 2, A.W.5, BW3	2 1
Knowledge -	knows the most important infectious and invasive diseases occurring in exotic animals	A.W.10, A.W.11, A.W.12, A.W.13, A.W.17, B.W.1, B.W.2, B.W.3, B.W.8, B.W.10 A.W.15, A.W.20, A.W.21	2 1
Knowledge	knows most common deficiency, metabolic, endocrine and cancer diseases of exotic animals	A.W.9, A.W.10, A.W.11, A.W.12, A.W.18 B.W.1, B.W.2, B.W.3, B.W.9 A.W.14, A.W.20, A.W.21, B.W.13	2 1
Knowledge	knows the rules and methods of therapy for exotic animals	A.W.9, A.W.10, A.W.11, A.W.12, A.W.13, A.W.17, A.W.18, B.W.3, B.W.4, B.W.8 A.W.16, A.W.19, A.W.20, A.W.21, B.W.6	2 1
Skills -	is able to conduct a clinical trial in selected species of exotic animals	A.U.4, A.U.6, A.U.7, A.U.12, A.U.14, A.U.16, B.U.1, B.U.2, B.U.3, B.U.5 B.U.19, B.U.20	2
Skills -	is able to perform an necropsy, prepares a necropsy protocol and correctly interprets its results in selected species of exotic animals	A.U.4, A.U.6, A.U.14, A.U.12, A.U.14, A.U.16, A.U.19, B.U.16, B.U.20	2
Skills	is able to perform basic therapeutic procedures in selected species of exotic animals	A.U.11, A.U.12, A.U.16, A.U.21, A.U.23, B.U.1, B.U.10, B.U.11, B.U.13, B.U.15 A.U.13, B.U.4, B.U.12, B.U.14, B.21, C.U.2, C.U.3	2 1
Competences -	formulates opinions about the state of health of exotic animals, which he/she examined	K.S.1, K.S.2, K.S.4, K.S.5, K.S.7, K.S.8, K.S.10 K.S.9, K.S.11	2 1
Competences -	formulates a decision on the appropriate treatment of exotic animals	K.S.1, K.S.2, K.S.4, K.S.5, K.S.7, K.S.8, K.S.10 K.S.9	2 1
Competences	critically assesses knowledge, update it and share experience with other veterinarians and animal owners	K.S.1; K.S.2; K.S.4; K.S.6; K.S.7; K.S.8 K.S.3; K.S.5; K.S.9	2
Competences	is aware of the necessity of continuous education and is ready to regularly use the deepening of knowledge, using scientific sources	K.S.1; K.S.2; K.S.4; K.S.6; K.S.7; K.S.8 K.S.3; K.S.5; K.S.9	3 2