

Code of subject	M_WE_SEM7 CHPG
Field of study	Veterinary medicine
Name of the training module including the Polish name	Diseases of amphibians and reptiles Choroby płazów i gadów
Language of instruction	English
Type of the training module	obligatory
Level of the training module	Master level
Form of studies	Stationary
Location in the programme (year)	IV
Location in the programme (semester)	VII
Number of ECTS credits with a division into contact/noncontact	2 (1,5/0,5)
Name and surname of the person in charge	Szczepaniak Klaudiusz – PhD
Unit offering the subject	Department of Parasitology and Fish Diseases, Subdepartment of Parasitology and Invasive Diseases
Aim of the module	The aim of teaching the subject is to assimilate by students the knowledge of diseases of reptiles and amphibians, both endemic and exotic species, with particular emphasis on zoonoses and antorpozoonoses. The student learns theoretical and practical laboratory techniques used in the diagnostic procedure of cold-blooded vertebrates, in the case of which anatomy and physiology make it impossible to perform standard diagnostic techniques based on equipment adapted to mammals. Students learn basic prevention and therapy of non-infectious and infectious diseases.
Learning outcomes	<p>Knowledge:</p> <p>K1. the structure of the organism of amphibians and reptiles: cells, tissues, organs and systems; K2. disorders at the cell, tissue, organ, system and amphibian and reptile levels in the course of the disease; K3. principles of diagnostic procedures in amphibians and reptiles, including differential diagnosis, and therapeutic procedures;</p> <p>Skills:</p> <p>S1. handle amphibians and reptiles safely and humanely S2. conduct a medical and veterinary interview in order to obtain accurate information about a single animal or a group of animals and its or their habitat, terrarium equipment, light conditions, humidity and temperature; conduct a complete clinical examination of an amphibian, reptile; interpret the results of laboratory tests of amphibians and reptiles; S3. select and apply appropriate therapies for amphibians and reptiles;</p> <p>Social competences:</p>

	<p>C1 demonstrating responsibility for decisions made towards people, cold-blooded animals, especially poisonous and dangerous species</p> <p>C2 broadening the knowledge and improving diagnostic skills of amphibians and reptiles;</p> <p>C3 communicating with colleagues and sharing expertise on reptile and amphibian diseases;</p>
Preliminary and additional requirements	none

<p>Contents of the training module – a compact description</p>	<p>lectures</p> <ol style="list-style-type: none"> 1, 2 Characteristics of the most common species of reptiles and amphibians in veterinary practice 2, 3 Breeding, holding and transport systems 4, 5 Safety rules for working with reptiles and amphibians 6, 7 Legal requirements and necessary documentation when working with exotic animals in Poland and European Union countries 8, 9 Equipment of a diagnostic laboratory adapted to the diagnosis of diseases of reptiles and amphibians 10 Anatomical basics of biological sampling from reptiles and amphibians 11 Parasitic diseases of reptiles and amphibians 12 Infectious diseases of reptiles and amphibians 13 Non-communicable diseases in reptiles and amphibians 14, 15 Additional test used in the diagnosis of diseases of reptiles and amphibians <p>Classes (L - laboratory, A - auditorium, T - field) (total number of training hours: 15, including: L -10, A -5, T -... ..)</p> <ol style="list-style-type: none"> 1. Taming and sampling various species of reptiles and amphibians 2. Post-mortem examination and post-mortem biological sampling L. 3. Basic laboratory techniques in the diagnosis of reptiles and amphibians. A 4. Parasitological examination of L. 5. Microbiological examination of L 6. Morphological and biochemical examination of the blood of reptiles and amphibians L 7. Pathological section L 8. The most common viral diseases L. 9. The most common bacterial diseases L. 10. The most common fungal diseases of L. 11. The most common parasitic diseases L. 12. Principles of administration and use of drugs in reptiles and amphibians 13 Drug dosing for reptiles and amphibians A. 14 Basic principles of sedation and anesthesia in reptiles and amphibians 15 Basic surgical procedures on reptiles and amphibians L.
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Recommended and obligatory reading list	<ol style="list-style-type: none"> 1. Exotic Animal Formulary, autor: James W. Carpenter MS DVM Dipl ACZM, Saunders; 3 edition (December 28,2004) 2. Infectious Diseases and Pathology of Reptiles: Color Atlas and Text, autor: Elliott Jacobson, CRC Press; 1 edition (April 11, 2007) 3. Medicine and Surgery of Tortoises and Turtles. Stuart McArthur, Roger Wilkinson, Jean Meyer., Blackwell publishing, 2004 6. Reptile Medicine and Surgery. autor: Douglas R. Mader MS DVM, Saunders; 2 edition 2007 7. Understanding Reptile Parasites: A Basic Manual for Herpetoculturists & Veterinarians : Roger Klingenberg, Advanced Vivarium Systems (June 1, 1997) 		
The intended forms/activities/ teaching methods	discussion, lecture,		
Methods of verification and documentation forms of the achieved learning outcomes	<p>skills, competences - evaluation of work during classes, the student should have the skills to perform basic methods of diagnostics of amphibians and reptiles and to implement therapeutic and prophylactic procedures (oral test)</p> <p>Knowledge - the student is obliged to pass 2 tests</p> <p>First test K-1. concerns the knowledge of the issues of diagnostics of amphibians and reptiles - content provided in lectures 1-10 and classes 1-7 (test part - 30 questions - single choice) and grading scale 61-68% 3.0; 69-76% 3.5; 77-84% 4.0; 85-92% 4.5; 93-100% 5.0.</p> <p>The second colloquium K-2 concerns the most important diseases and therapeutic management of amphibians and reptiles - content provided during lectures 11-15 and classes 8-15 test form - 30 questions - multiple choice) grading scale as above</p>		
Balance of ECTS credits	CONTACT	hours	ECTS
	Lectures	15	0,6
	laboratory exercises	15	0,6
	consultations	5	0,2
	exam	3	0,1
	Total	38	1,5
	NON-CONTACT		
	reading recommended literature	5	0,17
	preparing for the exam	5	0,16
	preparation for the classes.	5	0,17
	Total	15	0,5
Number of contact hours	Lectures	15	0,6
	laboratory exercises	15	0,6
	consultation	5	0,2
	exam	3	0,1
	total	38	1,5

<p>Relationship between subject learning outcomes and veterinary studies learning outcomes</p>	<p>A.W1. ++ B.W2. ++ B.W4. ++ B.U1. ++ B.U2. ++ B.U7. ++ K1++ K3++ K4++</p>
<p>Impact of selected compounds to final grade</p>	<p>Final grade The pass mark for the course is a positive grade in both tests K1 and K2. and presence for min. 13 classes Final semester grade entered in the course credit report: 50% K1; 50% K2 (grade - arithmetic mean), the grade from the semester will be included in the final grade for the subject</p>