



## Amphibian and reptile diseases

ECTS: 1.00

### SUBJECT MATTER CONTENT

#### LECTURE

The lecture program includes an introduction to amphibian and reptile medicine, basic data on the biology, breeding and physiology of selected species of amphibians and reptiles, the basics of immunology, the principles of hibernation.,CLASSES AUDYTORYJNE:Basic knowledge of anatomy and physiology of selected species of amphibians and reptiles. Clinical and autopsy examination of selected species of amphibians and reptiles as the basis of diagnosis. Basic environmental and behavioral needs of selected species of amphibians and reptiles. ,CLASSES PRAKTYCZNE:A trip to the ZOO in Gdańsk to learn about the real breeding and health problems of animals kept in breeding conditions and the health of animals kept in zoos.

#### TEACHING OBJECTIVE

Getting to know the basic concepts of the biology of amphibians and reptiles, the basic principles of breeding, transport, quarantine and the husbandry of the most common species. The student acquire the ability to conduct basic diagnostic tests, analyze and assess the clinical condition of the animal and the ability to take therapeutic measures.

#### DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

**Symbols for outcomes related to the discipline:**

R/WA\_P7S+++

**Symbols for outcomes related to the field of study:**

A.W17. +, A.W10. +, B.U5. +, K.5+, A.U14. +, B.W3. +, B.U3. +, B.U13. +, B.W6. +, K.9.+, B.W4. +, K.8.+, B.W5. +

#### LEARNING OUTCOMES:

##### Knowledge:

W1 – The student knows and understands issues related to the physiology and pathology of the most commonly kept amphibian and reptile species. The student knows the basics of husbandry and nutrition, the mechanisms of the emergence and spread of viral, bacterial and fungal diseases, as well as parasitic invasions in terrarium conditions. The student knows the basic principles of conducting a clinical examination, prevention measures and treatment of most common amphibian and reptile diseases.

##### Skills:

U1 – The student is able to: conduct basic diagnostic tests, analyze and assess the animal's clinical condition and undertake therapeutic measures. The student can prepare clear case reports and keep documentation in accordance with applicable regulations, in a form that is understandable to both the owners of the animal and other veterinarians. The student

#### Legal acts specifying learning outcomes:

682/2020

**Disciplines:** Veterinary science

**Status of the course:**Fakultatywny

**Group of courses:**B - przedmioty kierunkowe

**Code:** ISCED 0841

**Field of study:**Veterinary Medicine

**Scope of education:**

**Profile of education:** General academic

**Form of studies:** full-time

**Level of studies:** uniform master's studies

**Year/semester:** 4/8

**Types of classes:** Lecture, Classes, Practical classes

**Number of hours in**

**semester:**Lecture: 5.00, Classes: 6.00, Practical classes: 4.00

**Language of instruction:**Polish

**Introductory subject:** Immunology, microbiology, biology, physiology

**Prerequisites:** Basic knowledge of biology and physiology, general microbiology and immunology

**Name of the organisational unit conducting the course:**Katedra Epizootiologii

**Person responsible for the realization of the course:**dr wet. Joanna Pajdak-Czaus

**e-mail:** joanna.pajdak@uwm.edu.pl

**Additional remarks:** Trip may be cancelled depending on the current epidemic situation.

has knowledge of husbandry and welfare of the discussed species of reptiles and amphibians, thanks to which he can educate and advise owners on the care of their animals.

### **Social competence:**

K1 – The student can see health problems, correctly diagnose diseases of the discussed species of exotic animals and assess the effectiveness of the implemented treatment. The student is ready to deepen the acquired knowledge through additional training and review of the available literature. He is ready to share the acquired knowledge with pet owners and colleagues.

### **TEACHING FORMS AND METHODS:**

Lecture(W1;U1;K1):multimedia presentation, discussion

Practical classes(W1):Trip to ZOO

### **FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:**

Lecture (Oral test) - In order to pass this course, it is necessary to obtain not less than 65% of the possible points. The grading is based on the score thresholds described in the faculty procedure "Principles of grading students". The student may attempt to improve the credit score twice. In the event of lock-down and the necessity of online learning, the methods of verifying the achievement of learning outcomes declared in the syllabus, i.e. the forms of passing the exam and exercises, may change in a manner appropriate to the situation. -

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Practical classes (Part in the discussion) - participation in the trip and discussion -

### **BASIC LITERATURE:**

1. Baumgartner R., Gabrisch K., *Praktyka kliniczna: zwierzęta egzotyczne: ssaki, ptaki i zwierzęta zmiennocieplne*, Wyd. Galaktyka, R. 2012
2. Mitchell M.A., Tully T.N., *Zwierzęta egzotyczne*, Wyd. Elsevier, R. 2019

### **SUPPLEMENTARY LITERATURE:**

1. Hedley J., *BSAVA Small Animal Formulary, 10th edition - Part B: Exotic Pets*, Wyd. British Small Animal Veterinary Association, R. 2020
2. Frye F.L., *Reptiles and Amphibians: selfassessment color review*, Wyd. CRC Press, R. 2016
3. Girling S. J., *Veterinary nursing of exotic pets*, Wyd. Wiley-Blackwell, R. 2013
4. Jacobson E. R., *Infectious diseases and pathology of reptiles : color atlas and text*, Wyd. CRC Press, R. 2014
5. Mader D. R., Divers S. J., *Current therapy in reptile medicine and surgery*, Wyd. Saunders, R. 2014
6. Maluta A., *Żółwie wodno-lądowe: hodowla i choroby*, Wyd. Oficyna Wydawnicza "Hoża", R. 2005
7. Maluta A., Stefański R., *Gekony: hodowla i choroby*, Wyd. Oficyna Wydawnicza "Hoża", R. 2004