

**Internal diseases of dogs and cats I****ECTS: 3.00****SUBJECT MATTER CONTENT****LECTURE**

Detailed diagnosis, etiology, symptomatology, prevention, differential diagnosis and treatment of disease: non-infectious skin and its derivatives, respiratory system, circulatory system, digestive system, excretory system, nervous system, endocrine and lymphatic and hematopoietic system.

**PRACTICAL CLASSES**

Veterinary dermatology, additional tests in skin diseases, otology. Diagnosis and therapy of diseases of the mouth, throat and esophagus. Diagnosis and treatment of pancreatic diseases. Diagnosis and treatment of diseases of the liver and bile ducts. Diagnosis and treatment of diseases of the stomach and intestines. Veterinary cardiology: endocardial and valve diseases, congenital heart defects, heart muscle diseases; additional examinations in cardiology: electrocardiography, echocardiography. Diseases of the respiratory system: diagnosis and therapy of diseases of the upper and lower respiratory tract. Laboratory diagnosis of organ and systemic disorders.

**AUDITORIUM CLASSES**

Veterinary dermatology, additional tests in skin diseases, otology. Diagnosis and therapy of diseases of the mouth, throat and esophagus. Diagnosis and treatment of pancreatic diseases. Diagnosis and treatment of diseases of the liver and bile ducts. Diagnosis and treatment of diseases of the stomach and intestines. Veterinary cardiology: endocardial and valve diseases, congenital heart defects, heart muscle diseases; additional examinations in cardiology: electrocardiography, echocardiography. Diseases of the respiratory system: diagnosis and therapy of diseases of the upper and lower respiratory tract. Laboratory diagnosis of organ and systemic disorders.

**TEACHING OBJECTIVE**

The aim of education is to familiarize with the etiology, pathogenesis, diagnosis, treatment and prevention of diseases systems: coating, respiratory, cardiovascular, digestive.

**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:**

K.1.+ , A.U14. + , A.W12. + , A.W16. + , B.W4. + , A.W5. + , A.U6. + , A.U11. + , K.10.+ , B.W3. + , B.U4. + , K.2.+ , B.W5. + , A.W22. + , B.U1. + , B.U6. + , A.U13. + , A.W10. ++ , B.U3. + , B.W6. + ,

**Legal acts specifying learning outcomes:****682/2020****Disciplines:** Veterinary science**Status of the course:**Obligatoryjny**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:** 5/10**Types of classes:** Lecture, Practical classes, Auditorium classes**Number of hours in****semester:**Lecture: 15.00, Practical classes: 10.00, Auditorium classes: 20.00**Language of instruction:**Polish**Introductory subject:** animal anatomy, physiology, pathophysiology, pharmacology, clinical diagnostics**Prerequisites:** ability to suppress the animal, knowledge of anatomy and physiology of the various organs and systems, the ability of a clinical trial of different animal species, knowledge of the mechanisms of action of drugs**Name of the organisational unit****conducting the course:**Katedra Chorób Wewnętrznych z Kliniką**Person responsible for the****realization of the course:**prof. dr hab.

wet. Andrzej Pomianowski

**e-mail:** apomian@uwm.edu.pl**Additional remarks:** In the event of suspension of full-time classes at the university, classes will be held on-line.

## **LEARNING OUTCOMES:**

### **Knowledge:**

W1 – The student knows the mechanisms of organ and systemic pathologies as well as the causes and symptoms of pathological changes, the principles of treatment and prevention in diseases of the integumentary, respiratory, cardiovascular and digestive systems.

W2 – Understands the principles of diagnostic and therapeutic treatment of diseases of the integumentary, respiratory, cardiovascular and digestive systems. He knows the rules of conducting a clinical examination and monitoring the health condition of dogs and cats, and understands the method of handling clinical data and the results of laboratory and additional tests.

W3 – The student knows the rules of prescribing, using pharmacotherapy and acting in accordance with the principles of professional ethics.

### **Skills:**

U1 – The student is able to conduct a medical and veterinary interview and conduct a complete clinical examination of a dog or cat. He clearly communicates with clients and colleagues.

U2 – The student is able to collect samples for diagnostic tests (e.g. scrapings, blood) and correctly analyze and interpret the results of laboratory tests. He uses diagnostic equipment correctly and purposefully, including radiological, ultrasound and endoscopic equipment, and interprets the test results obtained after its application.

U3 – The student is able to prescribe prescriptions and use veterinary medicinal products according to diseases of dogs and cats. Can independently obtain information about available veterinary medicinal products. Adapts the therapy appropriately to the disease and clinical condition of the dog or cat.

### **Social competence:**

K1 – The student is responsible for the decisions made and adheres to the rules of professional ethics

K2 – The student is able to work under stress and analyze his own knowledge and skills.

## **TEACHING FORMS AND METHODS:**

Lecture(W1;W2;W3;K1;K2):information aided by audiovisual means

Practical classes(W1;W2;W3;U1;U2;U3;K1;K2):practical exercises with the use of a phantom, clinical patients, in the laboratory.

Auditorium classes(W1;W2;W3;U1;U2;U3;K1;K2):information aided by audiovisual means

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

Lecture (Colloquium test) - The topics of the lectures are included in the tests conducted in the subject. -

Lecture (Oral test) - The topics of the lectures are included in the tests conducted in the subject. -

Lecture (Exam) - The exam is conducted after the second semester of the subject Internal diseases of dogs and cats. -

Practical classes (Colloquium practical) - Properly completed practical task assigned by the person conducting the test. In case of passing all tests, the final grade for the exercises is issued on the basis of the arithmetic mean value of all the grades obtained from the tests (including failing grades). In the event of a top-down suspension of classroom classes and the need for distance 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. -

Auditorium classes (Colloquium test) - There are 3 written or oral tests and a practical test per semester. To pass the test, you must obtain at least 65% of the possible points. The grading of grades is based on the score thresholds described in the faculty procedure "Principles of grading students". The student may attempt to improve the test twice. The condition for receiving the final pass from the exercises is to obtain positive grades from all tests taking place in the course of the classes. In case of passing all the tests, the final grade for the exercises is issued on the basis of the arithmetic mean value of all the grades

obtained in the tests. Failure to pass any of the tests is tantamount to obtaining an unsatisfactory final grade in the exercises. -

Auditorium classes (Oral test) - The test grade is issued on the basis of the arithmetic mean value of the grades obtained for each question. A positive rating requires 65% positive responses. -

**BASIC LITERATURE:**

1. W. Dunbar Gram, Rowan J. Milner, Remo Lobetti, *Choroby przewlekłe psów i kotów*, Wyd. Galaktyka, R. 2019
2. Niemand H.G., Suter P.F., *Praktyka kliniczna: PSY*, Wyd. Galaktyka, R. 2003
3. Hans Lutz, Barbara Kohn, Franck Forterre, *Praktyka kliniczna: KOTY*, Wyd. Galaktyka, R. 2021
4. Nelson R.W., Couto C.G. Red. wyd. pol. Lechowski R., Schollenberger A., Pomianowski A., *Choroby wewnętrzne małych zwierząt*, Wyd. Galaktyka,, R. 2008

**SUPPLEMENTARY LITERATURE:**

1. Ilse Schwendenwein, Andreas Moritz, *Diagnostyka laboratoryjna psów i kotów*, Wyd. Galaktyka, R. 2021
2. , *czasopisma weterynaryjne*, Wyd. , R. 2020
3. Tilley L.P., Smith jr F.W.K., *5 minut konsultacji weterynaryjnej: Psy i koty*, Wyd. Elsevier Urban Partner, R. 2008

