UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Faculty of Veterinary Medicine

Clinical and laboratory diagnostics I

ECTS: 6.00

SUBJECT MATTER CONTENT

LECTURE
Introduction to clinical diagnostics and laboratory. Examination of the status praesens. Clinical diagnosis of skin diseases, respiratory diseases, cardiovascular diseases, digestive system diseases, urinary system diseases and nervous system disorders. Obtaining and preparing biological material for laboratory testing. Storage and transport of samples to the laboratory. The organization of veterinary laboratory. Laboratory methods used in diagnostics of internal diseases.

PRACTICAL CLASSES
ĆWICZENIA:Introduction: handling and restraint of animals , methods of clinical examination. Symptoms. History taking. Description of animal. Status preasens - general part: structure, condition, constitutional type, behavior, body temperature, fever, pulse, temperature, breathing, mucous membranes, lymph nodes, eyes. Skin: clinical examination, hair, skin appendages, dermis examination , additional dermatological tests - scrapings, hair examination. Respiratory system: exhaled air, nasal discharge, sinus, air sacs, larynx, trachea, coughing, chest examination by visual inspection, palpation, percussion (topographic and diagnostic), and auscultation, puncture the pleural cavity. Cardiovascular system: cardiac examination by visual inspection, palpation, percussion, auscultation and electrocardiogram ECG.

LABORATORY CLASSES
ĆWICZENIA:Introduction: handling and restraint of animals , methods of clinical examination. Symptoms. History taking. Description of animal. Status preasens - general part: structure, condition, constitutional type, behavior, body temperature, fever, pulse, temperature, breathing, mucous membranes, lymph nodes, eyes. Skin: clinical examination, hair, skin appendages, dermis examination , additional dermatological tests - scrapings, hair examination. Respiratory system: exhaled air, nasal discharge, sinus, air sacs, larynx, trachea, coughing, chest examination by visual inspection, palpation, percussion (topographic and diagnostic), and auscultation, puncture the pleural cavity. Cardiovascular system: cardiac examination by visual inspection, palpation, percussion, auscultation and electrocardiogram ECG.

TEACHING OBJECTIVE
The aim of the lectures is introducing the student with the methods and methods of diagnostic tests of individual systems. The exercises shape the skill of practical clinical examination and additional tests, including laboratory tests, and the interpretation of results

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:

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: 3/5

Types of classes: Lecture, Laboratory classes, Practical classes
Number of hours in semester: Lecture: 30.00, Laboratory classes: 30.00, Practical classes: 15.00
Language of instruction: Polish
Introductory subject: animal anatomy, animal physiology, histology, topographic anatomy
Prerequisites: good knowledge of the subject of introductory subjects

Name of the organisational unit conducting the course: Katedra Diagnostyki Klinicznej
Person responsible for the realization of the course:prof. dr hab. wet. Andrzej Rychlik
e-mail: rychlik@uwm.edu.pl

Additional remarks: practical and laboratory classes in groups of 12 students

Symbols for outcomes related to the discipline:	R/WA_P7S+++
Symbols for outcomes related to the field of study:	K.1.+, A.U2. +, C.U3. ++, C.U4. +, C.U2. +, A.U6. +, A.W4. +, B.W2. +, A.W1. +, A.U15. +, B.U3. +, K.4.+, A.U14. ++, B.W6. +, B.U2. ++, B.W11. +, B.U6. ++, A.W2. ++, A.U19. +, A.U18. +, K.9.+, B.W1. ++, A.W11. +, B.W4. +, A.U4. +

LEARNING OUTCOMES:

Knowledge:

W1 –

W2 –

Skills:

U1 –

U2 –

U3 –

U4 –

Social competence:

K1 –

TEACHING FORMS AND METHODS:

Lecture(W1;W2;U1;U2;U4;K1;):

Practical classes(W1;W2;U1;U2;U3;U4;K1;):

Laboratory classes(W2;U1;U2;U3;):

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Written exam) - -

Laboratory classes (Colloquium practical) - -

Practical classes (Colloquium practical) - -

BASIC LITERATURE:

1. F. Nagórski, W. Stankiewicz, *Diagnostyka Kliniczna Chorób Wewnętrznych Zwierząt Użytkowych*, Wyd. PWN, R. 1968

2. J. Marek, J. Mocsy, *Diagnostyka Kliniczna Chorób Zwierząt Domowych*, Wyd. PWRiL, R. 1958

3. T. Janiak, *iagnostyka Kliniczna Chorób Zwierząt Domowych*, Wyd. PWN, R. 1989

4. W. Baumgartner, *Diagnostyka Kliniczna Zwierząt*, Wyd. Elsevier Urban, R. 2009

5. Z. Markiewicz, *Przewodnik do ćwiczeń laboratoryjnych z diagnostyki chorób wewnętrznych*, Wyd. Wydawnictwo ART Olsztyn, R. 1989

6. Z. Markiewicz, K. Markiewicz, *Choroby układu moczowego zwierząt*, Wyd. Wydawnictwo ART Olsztyn, R. 1986

7. J. Nicpoń, *Badania kliniczne i laboratoryjne w diagnostyce chorób wewnętrznych zwierząt domowych*, Wyd. Wydawnictwo UP we Wrocławiu, R. 2015

SUPPLEMENTARY LITERATURE:

1. I. Schwendenwein, A. Moritz, *Diagnostyka Laboratoryjna Psów i Kotów*, Wyd. Galaktyka, R. 2021