



Laboratory medicine

ECTS: 1.00

SUBJECT MATTER CONTENT

LECTURE

Basic concepts used in laboratory medicine. The most commonly used methods (brief overview). Laboratory errors. Dry and wet methods: advantages and disadvantages. Biochemical analyzers: types and applications. Veterinary or human laboratory? Contemporary shipping diagnostic laboratory: scope of activity, organization.

LABORATORY CLASSES

Rules of selection, performance and interpretation in laboratory diagnostics of endocrine and dermatological diseases, gastroenterological, neurological, urological. Laboratory diagnosis and interpretation of test results in disturbances of water-electrolyte and acid-base balance.

TEACHING OBJECTIVE

Analysis of laboratory test results, proper diagnosis of the disease, basics of laboratory procedures

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.7.+ , K.4.+ , B.U6. + , B.W6. +

LEARNING OUTCOMES:

Knowledge:

W1 – Student knows the common laboratory procedures

Skills:

U1 – Student is able to collect samples for laboratory tests, prepare samples for transport, perform basic analyzes and interpret the results

Social competence:

K1 – Student understands the need for constant professional development

TEACHING FORMS AND METHODS:

Lecture(W1;K1):multimedia presentation, discussion

Laboratory classes(W1;U1;K1):case method, laboratory tests, results analysis

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: 6/11

Types of classes: Lecture, Laboratory classes
Number of hours in semester:Lecture: 5.00, Laboratory classes: 10.00
Language of instruction:Polish
Introductory subject: veterinary diagnostics, internal diseases, pathophysiology
Prerequisites: basic clinical examination, knowledge of the most common internal diseases of animals

Name of the organisational unit conducting the course:Katedra Chorób Wewnętrznych z Kliniką Katedra Diagnostyki Klinicznej
Person responsible for the realization of the course:prof. dr hab. wet. Andrzej Rychlik, dr hab. wet. Anna Snarska, prof. UWM, dr hab. wet. Liliana Rytel, prof. UWM
e-mail: anna.snarska@uwm.edu.pl
rychlik@uwm.edu.pl
liliana.rytel@uwm.edu.pl

Additional remarks: practical classes in groups of up to 12-15 students, Depending on the epidemiological situation, it is allowed to change the form of exercises and lectures

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Part in the discussion) - active participation in the lectures -
Laboratory classes (Colloquium practical) - analysis of given clinical case -

BASIC LITERATURE:

1. Meyer D.J., Harvey J. W., *Diagnostyka laboratoryjna w weterynarii*, Wyd. Elsevier, R. 2017

SUPPLEMENTARY LITERATURE:

1. Harvey J. W., *Atlas of Veterinary Hematology*, R., Wyd. W. B. Saunders C, R. 2001

