

**Parasitology and invasiology II****ECTS: 4.00****SUBJECT MATTER CONTENT****LECTURE**

The lecture discusses parasitic disease, with special attention to sources of invasion, clinical symptoms, pathogenesis and pathological changes of the disease. Students receive information on the differential diagnosis, control or treatment and prevention of disease. In the case of economically important parasitic diseases in livestock programs of control and combat are discussed, and in the case of zoonoses specific hazard for humans is presented

**AUDITORIUM CLASSES**

On the basis of available materials, a student self-preparing theoretical extent of the classes, then together with the teacher discusses the characteristic features observed in parasites acquainted with fresh or fixed preparations of parasite and its developmental forms. Constructs its own note, and during watching the preparation performs a schematic drawing indicating the identified elements.

**TEACHING OBJECTIVE**

Getting acquainted with current information on threats to animals and humans that can be caused by various parasites in them. Acquainting with diagnostic possibilities, including the recognition of parasites in material of animal origin and the control and prevention of parasitosis.

**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. +, K.1.+ , A.W10. +, A.U13. +, A.U14. +, K.11.+ ,  
A.W16. +, A.U16. +, K.12.+ , A.W11. +, A.U12. +, K.5+ , A.W13.  
+**LEARNING OUTCOMES:****Knowledge:**

W1 – The student knows and understands: the principle of the functioning of the parasite-host system, basic disease symptoms and pathological changes caused by parasites in the host organism. The student knows the biology of parasites, knows how to distinguish species of parasites in individual species of animals. Formulates prognosis for the animal's health. Selects treatment according to the diagnosed infestation.

**Skills:**

**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:** 3/6

**Types of classes:** Lecture, Auditorium classes

**Number of hours in**

**semester:** Lecture: 15.00, Auditorium classes: 30.00

**Language of instruction:** Polish

**Introductory subject:** Biology, Anatomy, Physiology, Pathophysiology

**Prerequisites:** Passed exams in Biology, Anatomy, Physiology and Pathophysiology and the ability to use a light microscope

**Name of the organisational unit**

**conducting the course:** Katedra

Parazytologii i Chorób Inwazyjnych

**Person responsible for the**

**realization of the course:** dr hab. wet.

Maria Iller, prof. UWM, dr hab.

Miroslaw Michalski, prof. dr hab. wet.

Rajmund Sokół

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**Additional remarks:** Student at the exercise classes must have a notebook, pencil / colored pencils to draw preparations and proper protective clothes

U1 – The student is able to collect and secure samples for research and perform standard laboratory tests, as well as correctly analyze and interpret the results of laboratory tests. The student can recognize and detect with the known methods a kind of parasitic invasion. It decides on the further procedure in the event of detecting a parasite. Selects drug doses depending on the degree of invasion. coordinates the deworming treatments proposed by him. The student decides to proceed with the sick animal. The student verifies own decisions depending on the patient's health condition.

**Social competence:**

K1 – The student is ready to act in accordance with the principles of ethics and the code of the veterinary profession. It shows sensitivity to animal suffering. He cares for the animals entrusted to him for treatment. Works with the pet owner and support staff and lab staff to achieve a therapeutic effect. Is aware of the need to maximize the use of knowledge and skills.

**TEACHING FORMS AND METHODS:**

Lecture(W1;U1;K1);Lecture on a multimedia presentation, discussion

Auditorium classes(W1);Introduction to the topic of exercises with the use of a multimedia presentation, practical exercises - identification of developmental forms of parasites using various methods

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

Lecture (Evaluation of the work and cooperation in the group) - 100% attendance at lectures -

Auditorium classes (Oral test) - There are 2 (oral / written) tests in 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 correct the test twice. The condition for receiving the final pass from the exercises is to obtain positive marks from all tests taking place in the course of the classes. In case of passing all tests, grade the final exercise 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. In the event of a top-down suspension of classroom classes and the necessity of 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. -

**BASIC LITERATURE:**

1. Gundlach J., Sadzikowski B, *Parazytologia i parazytozy zwierząt*, Wyd. PWRiL, R. 2004, s. 432

**SUPPLEMENTARY LITERATURE:**

1. Stefański W., *Parazytologia weterynaryjna*, Tom 1 i 2, Wyd. PWRiL, R. 1968, s. s. 619, 329