

**Parasitological diagnostics of farm animals diseases****ECTS: 2.00****SUBJECT MATTER CONTENT****LECTURE**

During the lectures are presented topics on: equipment and reagents necessary to perform the parasitological examination, methods for testing the biological material, assessing the usefulness of the most commonly used research methods in parasitology laboratories. Data about intermediate hosts collection and methods of testing for the presence of invasive forms of parasites. Common problems in the routine diagnostic techniques and their causes. News on diagnostic tests, their interpretation and correct the most common mistakes. The latest parasitological threats in the country.

**PRACTICAL CLASSES**

Mastering the most commonly used examination techniques in parasitological laboratories, the procedures for collecting, short-term preserving and transport of biological material, techniques and methods of testing blood, mucus, washings, feces, scrapings, hair, tissue samples, parasitological necropsy, long-term preserving and fixation of parasites, dyeing techniques, preparations wet and fixed samples, the basic qualitative and quantitative examination methods - oviscopy, larvoscopy, examining scrapings for the presence of mites and insects, blood smears and serological tests, identification of cysts, oocysts, eggs and larval form of various parasites and the keys to their recognition.

**TEACHING OBJECTIVE**

Acquainting with current information on the methods of recognition and threats to animals and people that can be caused by parasitic invasions

**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.U14. +, A.U18. +, K.11.+ , K.4.+ , A.W11. +, A.U12. +, K.5+

**LEARNING OUTCOMES:****Knowledge:**

W1 – The student knows the rules of proper sampling for testing and the rules of choosing the right method and technique of testing parasitological samples

**Skills:****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:** 4/7**Types of classes:** Lecture, Practical classes**Number of hours in****semester:** Lecture: 10.00, Practical classes: 20.00**Language of instruction:** Polish**Introductory subject:** Biology, Physiology, Parasitology**Prerequisites:** Passed practical and theoretical exam in Parasitology and Invasiology**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. Mirosław Michalski, prof. dr hab. wet. Rajmund Sokół**e-mail:** michmm@uwm.edu.pl

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**Additional remarks:**

U1 – The student is able to recognize and identify the species or type of parasite, independently diagnose a parasitic invasion, evaluate and interpret the obtained test results and use them to develop and implement the best concept of treatment and prevention of a given invasion.

**Social competence:**

K1 – The student is prepared for the correct procedure in the event of a parasite infestation and has the knowledge and skills to eliminate and prevent it.

**TEACHING FORMS AND METHODS:**

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

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

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

Practical classes (Competence test) - At the end of the semester, a written competence test is carried out. To pass an item the student must earn at least 65% of the eligible 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 and lectures is to obtain a positive grade from the test. 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. -

**BASIC LITERATURE:**

1. Ziomko I, Cencek T, *Inwazje pasożytnicze zwierząt gospodarskich*, Wyd. Drukarnia Piotra Włodarskiego, R. 1999, s. 118

**SUPPLEMENTARY LITERATURE:**

