



Course title: PARASITOLOGY AND INVASIOLOGY

ECTS credit allocation (and other scores): 4 pkt. ECTS (autumn), 4 pkt. ECTS (spring)

Semester: autumn and spring (2 semesters)

Level of study: ISCED-6 - first-cycle programmes (EQF-6)

Branch of science: Agricultural sciences

Language: English

Number of hours per semester:

Course coordinator/ Department and e-mail: R. Sokół, Dep. of Parasitology and Invasive Diseases,
rajmund.sokol@uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: The student based on the available teaching materials, prepares theoretically to classes. The lecturer discusses the characteristics of an examined parasite species emphasizing the practical aspect of recognize and possible threat. The student is familiarized with fresh or fixed parasite preparations and its developmental forms if available. In addition, student prepares note and a schematic drawing of the preparation viewed, highlighting the important elements.

LECTURES: During the lectures parasitological diseases of animals and human will be examined using schemes, pictures and videos, emphasizing the sources and pathways of invasion, clinical symptoms, pathogenesis, and anatomically-pathological changes. Information on how to detect, differentiate, combat or treat, and prevent parasitological diseases will be provided. In the case of economically important parasitic invasions of utility and companion animals, eradication programs are discussed, and in the case of zoonoses, the specific threat to humans will be discussed.

Learning purpose: The course aims to familiarize the students with current knowledge about the dangers to animals and humans health that can be caused by parasitic invasion.

On completion of the study programme the graduate will gain:

Knowledge: At the end of the course the student will be able to: recognize species of parasites in individual animal species; identify the disease entities based of the symptoms; prognose animal health status; collect samples for research, recognize and describe the parasite depending on its developmental form; choose effective treatment; explain and provide the information about the causes of the disease to the animal's owner, and present prevention methods.

Skills: At the end of the course the student will be able to: recognize and detect the type of parasitic invasion using learned methods; correctly decide about further action in the event of a parasite detection; prescribe appropriate doses of the medicaments depending on the intensity of invasion; coordinate the deworming treatment; make the right decision about how to proceed with sick animal; verify decisions depending on the animal's state of health.

Social Competencies: Follow the rules of ethics and the code of the veterinary profession. Show sensitivity to animal suffering. The student is determined to explain the causes of the disease; take care of the animals entrusted to him for treatment; work with the animal owner or support staff and laboratory staff to achieve a quick therapeutic effect; is focused on success after undertaking the right therapy; is aware of your knowledge and skills



Basic literature: 1. Gundlach J., L., Sadzikowski B., 2005. Pazytologia i parazytozy zwierząt. Wydawnictwo PWRiL, str. 456; 2. Georgis Parazytologia Weterynaryjna – D. D. Bowman; 3. Stefański W., 1963. Parazytologia weterynaryjna. Wydawnictwo PWRiL, Tom I i II, str. 618 i 329; 4. Parazytologia i akaroentomologia medyczna - Deryło A., PWN 2002; 5. Furmaga S., 1983. Choroby pasożytnicze zwierząt domowych. Wydawnictwo PWRiL, str. 500.

Supplementary literature: 1. Ziomko I., Cencek T., 1999. Inwazje pasożytnicze zwierząt gospodarskich – wybrane metody diagnostyczne. Wydawnictwo drukarnia Piotra Włodarskiego Warszawa, str.117; 2. Wybrane artykuły z Medycyny weterynaryjnej, Wiadomości Parazytologicznych (Annals of Parasitology), Magazynu weterynaryjnego, Życia weterynaryjnego i innych czasopism branżowych.

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 120

Student's independent work: 15