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Course title: MEDICAL PARASITOLOGY

ECTS credit allocation (and other scores): 1

Semester: spring

Level of study: ISCED-7 - second-cycle programmes (EQF-7)

Branch of science: Medical and health sciences

Language: English

Number of hours per semester: 26

Course coordinator/ Department and e-mail: MSc Małgorzata Lepczyńska/ Department of Medical Biology,  
malgorzata.lepczynska@uwm.edu.pl

Type of classes: classes and lectures

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#### Substantive content

**CLASSES:** Familiarize with the characteristics (structure, reproduction, life cycles, pathogenicity, diagnostics) of human parasites inhabiting: digestive, circulatory, respiratory, nervous and urogenital systems, as well as parasites living in muscles, parenchymal organs and in the skin. Parasites belongs to: Protozoa, Digenea, Cestoda, Nematoda, Arachnida, Insecta.

**LECTURES:** Introduction to parasitology. Sources of infection and the routes of entry of parasites. Types of harm to parasites. Parasitic diseases caused by protozoan, flatworms, roundworms. Exotic parasitic invasions. Invasions of parasitic arthropods. Methods used in the diagnosis of parasitic diseases of man.

**Learning purpose:** Acquire knowledge about the parasite-host system, the characteristics of selected parasites, signs of parasitic diseases and their diagnostics; acquisition of skills to recognize parasites, making health-promoting activities, environmental risk assessment for human life and health.

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**On completion of the study programme the graduate will gain:** The knowledge about the selected parasites, signs of parasitic diseases and their diagnostics; acquisition of skills to recognize parasites, making health-promoting activities, environmental risk assessment for human life and health.

**Knowledge:** The Student explain the relationship between host and parasite; characterize the symptoms of parasite diseases, invasive forms of parasite, source and route of parasite infection, life cycles; know the epidemiology of parasite infection with their geographical distribution; know the basic methods of parasite diagnostic.

**Skills:** The Student recognize parasitic diseases on the base of clinical symptoms, interview and results of laboratory tests; can prepare microscopic slides and recognize the pathogen using microscope.

**Social Competencies:** The Student is aware of his limitations and the need for continuous training in parasitology;

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**Basic literature:** 1. Buczek A. "Parasitology for medical students" Koliber, Lublin, 2011.

2. Garcia L. Sh. "Diagnostic medical parasitology" Washington, D.C. ASM Press, 2007.

**Supplementary literature:** websites: <https://www.cdc.gov/>, <https://www.who.int/>

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The allocated number of ECTS points consists of: 25 hours

Contact hours with an academic teacher: 26 hours

Student's independent work: 15 hours