

**Course name: Parasitology** (USOS Code: B-BM.083Eng)

**ECTS: 2**

**No. of hours:** 30 (15 lectures + 15 classes)

**Course coordinator:** Dr hab Rafał Gosik, prof UMCS

**Prerequisites:** -

**Course description:** *Lectures:* Definitions of basic terms in parasitology: parasitology, parasitism, parasite, host. Types of biological interactions. Classification of parasites and hosts. Systematic position of parasites. Parasite-host interactions. Systems and organs attacked by various species of parasites. Morphological and physiological adaptations of parasites to the parasitic lifestyle. Infection history. Methods/routes of invasion and leaving the host by parasites. Diagnostics of parasitic invasions. Prevention of parasitic diseases. *Labs:* Systematic review, morphology, biology, medical and sanitary significance of selected species of parasites belonging to Protista, Platyhelminthes, Nematoda, Acari and Insecta.

**Recommended literature:** Loker E.S., Hofkin B. 2018. Parasitology: A Conceptual Approach, Taylor & Francis Inc ; Renuka K. 2015. Handbook on parasitology, Partridge Publishing; Ruppert E.E, Fox R.S, Barnes R.D. 2004. Invertebrate Zoology: A Functional Evolutionary Approach, Cengage Learning; Sougata Ghosh 2017. Paniker's Textbook of Medical Parasitology, Jaypee Brothers Medical Publishers; Lonc E., Złotorzycka J. 2000. Principles of Modern Protozoological Parasitology, Wydawnictwo Uniwersytetu Wrocławskiego; Kasprzak W., Majewska A.C. 1998. Study guide to accompany practical medical parasitology and to inquire into biology of human parasites, Karol Marcinkowski University of Medical Sciences in Poznań. Department of Biology and Medical Parasitology.