Module name	**Parasitology**
Module code	B-BM.083Eng
ISCED code	
Study cycle	I^{o}
Semester	summer
Responsible for this module	Rafał Gosik Department of Zoology and Nature Protection emali: r.gosik@poczta.umcs.lublin.pl
Language of instruction	English
Website	
Prerequisites	No
ECTS	2
ECTS points hour equivalents	Classes: 30 Individual consultations: 1 Preparation of notes 6 Preparation for the examination 23 Total 60 h = 2 ECTS scores **Total number of ECTS points for the module - 3**
Learning outcomes verification methods	For the cycle of courses starting in the academic year 2018/2019 lecture – written examination W1-W3, U1, U4, K1, K2 laboratory classes – mid-term tests and current student work (W1-W3, U1-U3, , K1-K3) For the cycle of courses starting in the academic year 2019/2020 and next lecture – written examination W1-W3, U02, U04, K01, K02 laboratory classes – mid-term tests and current student work (W1-W3, U1-U5, K1-K2) For the cycle of courses starting in the academic year 2020/2021 and next lecture – written examination W1-W3, U02, U04, K01, K02 laboratory classes – mid-term tests and current student work (W1-W3, U1-U5, K1-K2)
Course full description	The lecture provides students with: • basic terms of parasitology, • position of parasitology among natural sciences • parasitism as one of the animal interaction forms • genesis and characterisation of the parasite-host system • systematic position of parasitic organisms (Protozoa, Helminty, Arthropoda) • morphology, biology, spread, and life cycle of medically important parasites • adaptations of animals to parasitic life • medical importance of parasites • diagnosis, pathogenesis, prophylaxis, and treatment of parasitic diseases

	• laboratory analyses in medical parasitology Laboratory classes are focused on practical recognition of medically important parasites (Protozoa, Platyhelminthes, Nematoda, Acari i Insecta) and knowledge of their morphology, biology, systematics, and medical and sanitary importance.
Bibliography	Lonc E., Złotorzycka J.2000. Principles of modern Protozoological Parasitology, Wydawnictwo Uniwersytetu Wrocławskiego 88pp Sougata Ghosh 2017. Paniker'S Textbook of Medical Parasitology, Jaypee Brothers Medical Publishers, 276 pp 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. 137 pp Loker E.S., Hofkin B.V. 2015. Parasitology, A conceptual approach. Garland Science, 560 pp.
Learning outcomes	**KNOWLEDGE the graduate knows and understands** W1 The student knows the morphology, biology, spread, and life cycle of medically important parasites. The student understands the genesis of parasitism, interrelations between the parasite and the host, and the complex relationships between the two components and types of systems. The student has knowledge of the morphological and physiological adaptations of animals to the parasitic life cycle. The student knows issues related to the epidemiology, prophylaxis, and control of parasitic diseases. The student uses relevant parasitological terminology. K_W01 W2 The student knows and understands the basic laboratory methods used in modern parasitology. K_W17 W3 The student has advanced knowledge of the relationships between parasitology and other scientific disciplines (biology, medicine, veterinary medicine, agriculture) to understand the principles of organism functions as well as interpret and generalise knowledge. K_W03 U1 The student is able to assess facts critically and formulate relevant conclusions on parasitic diseases in Poland and worldwide. K_U07, K_W12 U2 The student is able to carry out observations using relevant laboratory methods, interpret results, and formulate conclusions based on knowledge. K_U01, K_U02, K_U04 U3 The student is able to communicate with the milieu using specialist terminology in parasitology and related natural sciences, participate in debates to present and justify his/her standpoint, and assess various opinions and views. K_U13, K_U14 U4 The student is able to plan and organise individual and team work to solve problems and carry out tasks efficiently. K_U19 U5 The student is able to plant and implement his/her individual learning process by selection of problems to be studied in line with his/her interests and future

	occupational and/or scientific career. K_U19 K1. The student is ready to disseminate patterns of proper conduct in and out of the work milieu and to make independent decisions. K_K07 K2 The student is ready to assess knowledge critically and to seek for expert opinion in case of difficulties in independent solution of problems. K_K01 K3 The student is able to plan and organise individual and team work in order to solve problems and perform specific tasks efficiently K_K08, K_K09
Practice	
Teaching methods	Laboratory practice, observation, presentation, description, scientific discussion