

Subject card

Subject name and code	Medical parasitology, PG_00198324						
Field of study	Genetics and Experimental Biology						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2026/2027		
Education level	Bachelor's studies	Subject group			Obligatory subject group in the field of study Optional subject group		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			1.0		
Learning profile	academic	Assessment form			credit		
Conducting unit	Laboratory of Parasitology and General Zoology -> Katedra Zoologii Bezkręgowców i Parazytologii -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Leszek Rolbiecki				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		3.0		7.0	25
Subject objectives	1. To get acquainted with the parasites of greatest importance to humans. 2. To present the routes of infection, to familiarize with the epidemiology of parasitosis and the principles of prevention.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[GBEL3_K07] The graduate is prepared to: lifelong learning and updating of knowledge in molecular genetics and other fields.	Understands the need for lifelong learning and updating knowledge of in the field of medical parasitology	[SK1] oral statement/conversation/discussion [SK4] test/exam - oral or written
	[GBEL3_U04] The graduate is able to: read scientific texts in English and Polish with comprehension, synthesize the knowledge they contain, prepare well-documented papers on biological problems and on the commercialisation of research.	Can read scientific texts with understanding, synthesize data in the field of medical parasitology.	[SU4] test/exam - oral or written
	[GBEL3_U09] The graduate is able to: plan their education and learn in an independent and focused manner.	learns independently, in a focused manner	[SU4] test/exam - oral or written
	[GBEL3_W01] A graduate has an advanced knowledge and understanding of: the structure and properties of the main types of biological macromolecules; the molecular mechanisms of basic metabolic pathways and genetic information flow; the sources of genetic variation in organisms and the mechanisms of evolution. They can explain the principles of inheritance, the differences in structure and function between prokaryotic and eukaryotic cells, as well as the structure and functional relationships at the cellular and tissue levels.	describes the structure and characteristics of parasitic organisms at the level of cellular, tissue, organ and organismal levels, describes the basic evolutionary concepts and mechanisms, and explains the functional relationships in the parasite-host system	[SW3] text preparation/written work
	[GBEL3_W03] A graduate has an advanced knowledge and understanding of: molecular mechanisms of genetic information transfer and gene expression and the molecular and genetic basis of human physiology and disease, including infectious diseases.	Knows the mechanisms of transmission of genetic information, development cells and organisms, and the genetic basis of human physiology and diseases, including parasitic diseases and transmissible human infectious diseases.	[SW4] test/exam - oral or written
[GBEL3_K02] The graduate is prepared to: critically evaluate their own knowledge and methods in molecular biology and related fields and commercialise their research.	Is ready to critically evaluate methods in medical parasitology and related fields.	[SK1] oral statement/conversation/discussion [SK4] test/exam - oral or written	
Subject contents	Definition and types of parasitism. An overview of selected groups of human parasites including their specificity and adaptations to parasitism, life cycles, and pathways and factors that promote infection. Various aspects of the functioning and evolution of the parasite-host system. Parasitoses of humans - etiology, pathogenesis and prevention.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	attendance	80.0%	0.0%
	written test	51.0%	100.0%

Recommended reading	Basic literature	<ul style="list-style-type: none"> • Błaszak C. [red.] 2009-2012. Zoologia, t.1-2. Bezkręgowce. PWN, Warszawa. • Błaszowska J., Ferenc T., Kurnatowski P., 2017. Zarys parazytologii medycznej. Edra Urban & Partner, Wrocław. • Bogitsh B.J., Carter C.E., Oeltmann T.N. 2005. Human parasitology. Academic Press, Saint Louis. • Buczek A. 2005. Choroby pasożytnicze. Epidemiologia i diagnostyka, objawy. Koliber, Lublin. • Cianciara J., Juszczyk J. 2012. Choroby zakaźne i pasożytnicze. Wyd. Czelej, Lublin. • Deryło A. [red.] 2011. Parazytologia i akaroentomologia medyczna. PWN, Warszawa. • Dziubek Z. 2003. Choroby zakaźne i pasożytnicze. Wyd. lekarskie PZWL, Warszawa • Garcia L.S. 2007. Diagnostic medical parasitology. ASP Press, Washington. • Golvan Y.J., 2000. Atlas parazytologii. Volumed, Wrocław. • Izdebska J.N. 2014. Wszy? Poznaj i pokonaj problem PWN, Warszawa. • Kadłubowski R. 1999. Zarys parazytologii lekarskiej. PZWL, Warszawa. • Niewiadomska K., Pojmańska T., Machnicka B., Czubaj A. 2001. Zarys parazytologii ogólnej. PWN, Warszawa. • Pawłowski Z.S., Stefaniak J. [red.] 2004. Parazytologia kliniczna w ujęciu wielodyscyplinarnym. PZWL, Warszawa. • Pojmańska T. [red.] 2016. Leksykon parazytologiczny. PTP, Warszawa.
	Supplementary literature	<ul style="list-style-type: none"> • Combes C. 1999. Ekologia i ewolucja pasożytnictwa. PWN, Warszawa. • Izdebska J.N. 2005. Roztocze skórne człowieka i zwierząt domowych. (W:) Alergia na roztocze. B. Majkowska-Wojciechowska [red.]. Mediton, Łódź: 95-105. • Piotrowski F. 1990. Zarys entomologii parazytologicznej. PWN, Warszawa. • Rolbiecki L. 2007. Zastosowanie kwasu octowego i alkoholu benzyłowego w preparatyce parazytologicznej wady i zalety. Wiadomości Parazytologiczne 53: 347-349.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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