

Subject card

Subject name and code	Medical parasitology, PG_00203457						
Field of study	Medical Biology						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2027/2028		
Education level	Bachelor's studies	Subject group			Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	4	ECTS credits			3.0		
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		prof. dr hab. Joanna Izdebska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	0.0	30
	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	30		8.0		37.0	75
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
	[BIOLMEDL3_W11] has advanced knowledge of methods for assessing health status, as well as the symptoms and causes of selected disorders and pathological changes; understands the basics of a healthy lifestyle and is able to explain and promote them	Has a basic knowledge of health assessment methods and the symptoms and causes of human parasitoses, and knows the basics of a healthy lifestyle of life, is able to justify and promote them	[SW4] test/exam - oral or written [SW3] text preparation/written work [SW5] implementation of a problem task
	[BIOLMEDL3_W04] has an advanced knowledge and understanding of the characteristics, systematics and evolution of selected groups of parasitic organisms including molecular basis and describes the basic concepts and mechanisms of evolution	presents the characteristics, systematics and evolution of selected groups of parasitic organisms including molecular basis and describes the basic concepts and mechanisms of evolution	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report
	[BIOLMEDL3_W03] has an advanced knowledge and understanding of the structure of the animal or human organism, the processes and functional relationships at the cellular, tissue, organ and organismal levels, and explains their relationship to behavior and adaptation of the organism to changing environmental conditions	presents the structure of parasitic organisms, processes and relationships functional relationships at the cellular, tissue, organ and organismal level, and explains their relationship to the behavior and adaptation of the parasite to the changing conditions of the environment and the host organism	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report
	[BIOLMEDL3_U02] is able to use basic equipment and apparatus used in diagnostics or neuroscience	Is able to use basic equipment and apparatus used in parasitological diagnostics	[SU3] text preparation/written work [SU6] demonstration of practical skills [SU8] observation of student's independent or team work
	[BIOLMEDL3_U07] is able to identify problems corresponding to the needs of an individual and a social group and to undertake basic diagnostic, preventive and educational activities appropriate to the profession of medical biologist	learns independently, in a focused manner	[SU4] test/exam - oral or written [SU6] demonstration of practical skills
	[BIOLMEDL3_K03] is aware of his/her own limitations and knows when to seek expert assistance	is aware of his own limitations and knows when to turn to experts	[SK1] oral statement/conversation/discussion [SK6] demonstration of practical skills
	[BIOLMEDL3_K01] understands the need for lifelong learning and to update his/her knowledge of medical biology and related disciplines	Understands the need for lifelong learning and updating knowledge of of medical parasitology and related disciplines	[SK1] oral statement/conversation/discussion [SK4] test/exam - oral or written
	[BIOLMEDL3_U05] synthesises data from different sources and draws appropriate conclusions from them	synthesizes medical parasitology data from different sources and draws appropriate conclusions on this basis	[SU4] test/exam - oral or written [SU6] demonstration of practical skills
Subject contents	Structure, adaptations and systematic review of parasites associated with humans. Methods used in parasitological diagnosis and principles of identification of parasites from different groups.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	colloquium	51.0%	100.0%
	attendance	85.0%	0.0%

Recommended reading	Basic literature	<ol style="list-style-type: none"> 1. Buczek A. 2005. Atlas pasożytów człowieka. Koliber, Lublin. 2. Deryło A. red. 2000. Skrypt do ćwiczeń i seminariów z parazytologii lekarskiej. Cz. 1 i 2. ŚAM, Katowice. 3. Deryło A. [red.] 2011. Parazytologia i akaroentomologia medyczna. PWN, Warszawa. 4. Dziubek Z. 2003. Choroby zakaźne i pasożytnicze. Wyd. lekarskie PZWL, Warszawa 5. Garcia L.S. 2007. Diagnostic medical parasitology. ASP Press, Washington. 6. Golvan Y.J. 2000. Atlas parazytologii. Volumed, Wrocław. 7. Kadłubowski R. 1999. Zarys parazytologii lekarskiej. PZWL, Warszawa. 8. Lonc E., Złotorzycka J. 1995. Ćwiczenia z parazytologii dla studentów biologii. UW, Wrocław 9. Niewiadomska K., Pojmańska T., Machnicka B., Czubaj A. 2001. Zarys parazytologii ogólnej. PWN, Warszawa.
	Supplementary literature	<ol style="list-style-type: none"> 1. Błaszak C. [red.] 2009. Zoologia, t.1. Bezkręgowce. PWN, Warszawa. 2. Błaszak C. [red.] 2011, 2012. Zoologia, t.2.cz. 1, 2. Stawonogi. PWN, Warszawa. 3. Bogitsh B.J, Carter C.E., Oelmann T.N. 2005. Human parasitology. Academic Press, Saint Louis. 4. Combes C. 1999. Ekologia i ewolucja pasożytnictwa. PWN, Warszawa. 5. Izdebska J.N. 2005. Roztocze skórne człowieka i zwierząt domowych. (W:) Alergia na roztocze. B. Majkowska-Wojciechowska [red.]. Mediton, Łódź: 95-105. 6. Izdebska J.N. 2014. Wszy? Poznaj i pokonaj problem PWN, Warszawa. 7. Piotrowski F. 1990. Zarys entomologii parazytologicznej. PWN, Warszawa. 8. Pojmańska T. [red.] 2016. Leksykon parazytologiczny. PTP, Warszawa 9. Rolbiecki L. 2002. Szybka metoda wykonywania semipermanentnych glicerożelatynowych preparatów z pasożytów. Wiadomości Parazytologiczne 48: 87-88. 10. 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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