

Subject card

Subject name and code	Medical parasitology, PG_00208387						
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		6.0		39.0	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_K01] is aware of the importance of lifelong learning and keeping up to date with developments in medical biology and related disciplines, and applies this knowledge to the planning and design of professional activities	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_U06] is able to identify problems corresponding to the needs of an individual and a social group and to undertake 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_W07] 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_W02] has an advanced knowledge and understanding of the structure of the animal or human body, processes and functional relationships at the cellular, tissue, organ and organismal levels, as well as physiological and biochemical processes at an advanced level, and the mechanisms of the pathophysiology of diseases, and explains their relationship with behaviour and the organism's	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_K02] is aware of their own limitations and knows when to turn to experts who have the resources, technologies and knowledge to provide certainty on a given topic, save time and avoid mistakes	is aware of his own limitations and knows when to turn to experts	[SK1] oral statement/conversation/discussion [SK6] demonstration of practical skills
	[BIOLMEDL3_U04] 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
	[BIOLMEDL3_W03] has an advanced knowledge and understanding of the characteristics, systematics and evolution of selected groups of organisms, taking into account their molecular basis, and describes the fundamental concepts and mechanisms of evolution; furthermore, the student describes, explains and compares, at an advanced level, the systemic regulatory mechanisms in animal and human organisms (including from an ontogenetic and phylogenetic perspective) and understands the neurobiological and genetic basis of disorders	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
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
	attendance	85.0%	0.0%
	colloquium	51.0%	100.0%

Recommended reading	Basic literature	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. Kałużbowski 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	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., Oeltmann 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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