University of Gdańsk

Subject card

Subject name and code	Medical parasitology, PG_00203458						
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 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	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		prof. dr hab. Joanna Izdebska				
	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		2.0		8.0	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
[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
[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
[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
[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
[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	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written

Subject contents

Definition and types of parasitism. 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. Human parasitoses - 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	1. Błaszkowska J., Ferenc T., Kurnatowski P., 2017. Zarys parazytologii medycznej. Edra Urban & Partner, Wrocław 2. Buczek A. 2005. Atlas pasożytów człowieka. Koliber, Lublin. 3. Cianciara J., Juszczyk J., 2012. Choroby zakaźne i pasożytnicze. Wyd. Czelej, Lublin. 4. Deryło A. red. 2000. Skrypt do ćwiczeń i seminariów z parazytologii lekarskiej. Cz. 1 i 2. ŚAM, Katowice. 5. Garcia L.S. 2007. Diagnostic medical parasitology. ASP Press, Washington. 6. Golvan Y.J. 2000. Atlas parazytologii. Volumed, Wrocław. 7. Lonc E., Zlotorzycka J. 1995. Ćwiczenia z parazytologii dla studentów biologii. UW, Wrocław 8. Niewiadomska K., Pojmańska T., Machnicka B., Czubaj A. 2001. Zarys parazytologii ogólnej. PWN, Warszawa
	Supplementary literature	1. Izdebska J.N. 2005. Roztocze skórne człowieka i zwierząt domowych. (W:) Alergia na roztocze. B. Majkowska-Wojciechowska [red.]. Mediton,Łódź: 95-105. 2. Izdebska J.N. 2014. Wszy? Poznaj i pokonaj problem PWN, Warszawa. 3. Piotrowski F. 1990. Zarys entomologii parazytologicznej. PWN, Warszawa. 4. Rolbiecki L. 2002. Szybka metoda wykonywania semipermanentnych glicerożelatynowych preparatów z pasożytów. Wiadomości Parazytologiczne 48: 87-88. 5. Rolbiecki L. 2007. Zastosowanie kwasu octowego i alkoholu benzylowego 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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