

Subject card

Subject name and code	Medical parasitology, PG_00146901						
Field of study	Genetics and Experimental Biology						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
Education level	undergraduate 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	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			2.0		
Learning profile	academic	Assessment form					
Conducting unit	Pracownia Parazytologii i Zoologii Ogólnej -> Katedra Zoologii Bezkręgowców i Parazytologii -> Faculty of Biology						
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	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		4.0		16.0	50
Subject objectives	1 To introduce the parasites of greatest importance to man. 2. describe the routes of infection, understanding the epidemiology of parasitosis and the principles of prevention.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[GBEL3_K07] Lifelong learning and updating knowledge in the field of molecular genetics and other disciplines.	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_W03] The molecular mechanisms of genetic information transmission and gene expression, as well as the molecular and genetic basis of human physiology and diseases, including infectious diseases.	knows the mechanisms of transmission of genetic information, cell and organism development and the genetic basis of human physiology and disease, including parasitic diseases and transmissible human infectious diseases	[SW4] test/exam - oral or written
	[GBEL3_K02] Critical assessment of one's own knowledge and methods in the field of molecular biology and related disciplines, as well as the commercialization of research.	Is ready to critically evaluate methods in medical parasitology and related fields.	[SK1] oral statement/conversation/discussion
	[GBEL3_W01] Understanding the structure and properties of basic types of biological macromolecules, molecular mechanisms of metabolic pathways and genetic information flow, as well as sources of genetic variability in organisms and mechanisms of evolution; explaining the rules of inheritance, elucidating differences in the structure and functioning of prokaryotic and eukaryotic cells, and understanding the structure and functional relationships at the cellular and tissue levels.	describes the structure and characteristics of parasitic organisms at a cellular, tissue, organ and organismal levels, describes the basic evolutionary concepts and mechanisms, and explains the functional relationships in the parasite-host system	[SW4] test/exam - oral or written
	[GBEL3_U03] Proficient in using research equipment and tools, while following the correct sequence of procedures, to conduct basic physical, biological, or chemical observations and measurements in laboratory work within the field of biological sciences.	uses basic research apparatus and tools and, following the the correct sequence of operations, carry out simple observations and measurements used in parasitological diagnosis.	[SU6] demonstration of practical skills [SU8] observation of student's independent or team work
	[GBEL3_U04] Capable of reading scientific texts in English and Polish with comprehension, synthesizing the knowledge contained within them, preparing well-documented studies on biological issues, as well as those related to research commercialization.	can read scientific texts with comprehension, synthesise medical parasitology data	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written
[GBEL3_U09] Plan and pursue one's education autonomously and in a focused manner.	learns independently, in a focused manner	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written	
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	<ul style="list-style-type: none"> • Błaszak C. [red.] 2009-2012. Zoologia, t.1-2. PWN, Warszawa. • Błaszowska J., Ferenc T., Kurnatowski P., 2017. Zarys parazytologii medycznej. Edra Urban & Partner, Wrocław. • Buczek A. 2005. Atlas pasożytów człowieka. Koliber, Lublin. • Buczek A. 2005. Choroby pasożytnicze. Epidemiologia i diagnostyka, objawy. Koliber, Lublin. • Deryło A. red. 2000. Skrypt do ćwiczeń i seminariów z parazytologii lekarskiej. Cz. 1 i 2. ŚAM, Katowice. • Deryło A. [red.] 2011. Parazytologia i akarontomologia 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. Volumes, Wrocław. • Kadłubowski R. 1999. Zarys parazytologii lekarskiej. PZWL, Warszawa. • Lonc E., Zlotorzycza J. 1995. Ćwiczenia z parazytologii dla studentów biologii. UW, Wrocław • Pojmańska T. [red.] 2016. Leksykon parazytologiczny. PTP, Warszawa
	Supplementary literature	<ul style="list-style-type: none"> • Izdebska J.N. 2014. Wszy? Poznaj i pokonaj problem PWN, Warszawa. • Rolbiecki L. 2002. Szybka metoda wykonywania semipermanentnych glicerożelatynowych preparatów z pasożytów. Wiadomości Parazytologiczne 48: 87-88. • Rolbiecki L. 2007. Zastosowanie kwasu octowego i alkoholu benzyloвого w preparatyce parazytologicznej wady i zalety. Wiadomości Parazytologiczne 53: 347-349.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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