

Subject card

Subject name and code	Diagnostic parasitology and mycology, PG_00154700						
Field of study	Medical Biology						
Date of commencement of studies	October 2025		Academic year of realisation of subject			2025/2026	
Education level	Master's studies		Subject group			Obligatory subject group in the field of study Optional subject group Specialty 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			credit	
Conducting unit	Katedra Zoologii Bezkręgowców i Parazytologii -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Leszek Rolbiecki				
	Teachers		dr hab. Leszek Rolbiecki prof. dr hab. Martin Kukwa prof. dr hab. Joanna Izdebska dr Joanna Dzido				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	20.0	0.0	0.0	0.0	0.0	20
	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	20		3.0		27.0	50
Subject objectives	Familiarize students with laboratory techniques used in parasitological and human mycological diagnosis.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOLMEDMU2_W03] knows the structure and functions of the human body, biological causes of disorders, lesions and social dysfunctions, and methods of their evaluation using biochemical, molecular, parasitological or neurobiological methods	Knows the structure and functions of the human body, biological causes of disorders, lesions diseases and social dysfunctions and methods of their evaluation using parasitological methods with elements of mycology	[SW4] test/exam - oral or written
	[BIOLMEDMU2_U01] can proficiently, but critically, use the scientific literature and databases necessary in the activities of medical biology and related disciplines	Can proficiently, but critically, use scientific literature and databases necessary in the activity of parasitological diagnosis with elements of mycology	[SU4] test/exam - oral or written
	[BIOLMEDMU2_W02] is oriented to the currently debated problems in medical biology and related disciplines	Is familiar with the currently discussed problems concerning the diagnosis of parasitology with elements of mycology	[SW4] test/exam - oral or written
	[BIOLMEDMU2_W01] has an in-depth knowledge of scientific fields and disciplines relevant to medical biology and the studied specialty and knows their main development trends	He has in-depth knowledge of parasitological diagnostics with elements of mycology and knows its main developmental trends	[SW4] test/exam - oral or written
	[BIOLMEDMU2_K01] is ready to critically evaluate himself, the teams in which he works and the content he receives	He is ready to critically evaluate himself, the teams in which he works and the the content received	[SK1] oral statement/conversation/discussion
	[BIOLMEDMU2_U06] knows and applies English-language specialized vocabulary of biological and medical sciences in daily professional/scientific activities	Knows and uses English-language specialized vocabulary in the field of diagnostic Parasitology with elements of mycology in daily activities professional/scientific	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written
Subject contents	An overview of the principles of parasite identification in the context of major human parasitic diseases, as well as fungi as etiological agents of mycoses and intoxications. A critical review of conventional and modern diagnostic methods in parasitology and medical mycology, including principles of diagnostic specimen collection.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written test	51.0%	100.0%
	attendance	80.0%	0.0%
Recommended reading	Basic literature	1. Buczek A., 2010. Choroby pasożytnicze epidemiologia, diagnostyka, objawy. Akapit, Lublin. 2. Garcia L.S., 2007. Diagnostic medical parasitology. ASM Press, Washington. 3. Izdebska J.N. 2014. Wszy. Poznaj i pokonaj problem. Wydawnictwo Naukowe PWN, Warszawa. 4. Kozar Z., Kozar M., 1972. Diagnostyka chorób pasożytniczych człowieka. PZWL, Warszawa. 5. Krzyściak P., Skóra M., Anna B. Macura A.B., 2011. Atlas grzybów chorobotwórczych człowieka. Medpharm, Wrocław. 6. Kurnatowska A., Kurnatowski P., red., 2006. Mikologia medyczna. Promedi, Łódź.	

	Supplementary literature	1. Deryło A., red., 1992. Laboratoryjna diagnostyka chorób pasożytniczych człowieka. Śląska AM, Katowice. 2. Garcia L.S., 2009. Practical guide to diagnostic parasitology. ASM Press, Washington 3. Guzow-Krzemińska B., Kukwa M. 2013. Metody badawcze we współczesnej taksonomii porostów. Kosmos 62: 95103. 4. Izdebska J.N. 2010. New data of demodecosis hominis ethiology, pathogenesis and diagnosis. (In:) Arthropods. Ecological and pathological aspects of parasite-host relationships. A. Buczek, Cz. Błaszak (eds.). Akapit, Lublin: 137-145. 5. Izdebska J.N., Kozina P., Cierocka K., Mierzyński Ł. 2018. Human lice <i>Pediculus humanus</i> and pediculosis in the past and present - occurrence,diagnostics and controlling. (W:) Arthropods. At the beginning of the new Century. A. Buczek, C. Błaszak (red.). Koliber, Lublin: 151-159. 6. Kubiak D., Kukwa M. 2011. Chromatografia cienkowarstwowa (TLC) w lichenologii. (W:) Dynowska M., Ejdys E. (red.). Mikologia laboratoryjna. Przygotowanie materiału badawczego i diagnostyka. Wydawnictwo Uniwersytetu Warmińsko-Mazurskiego w Olsztynie: 176190. 7. Rolbiecki L., 2002. Szybka metoda wykonywania semipermanentnych glicerożelatynowych preparatów z pasożytów. Wiadomości Parazytologiczne 48: 87-88. 8. 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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