

Subject card

Subject name and code	Neuroparasitology, PG_00154688						
Field of study	Medical Biology						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	Master'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	3		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		dr hab. Leszek Rolbiecki				
	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	Learning about the biology of parasites and their effects on the functioning of the nervous system and the behavior of the host.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[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 data necessary for activities in neuroparasitology and related disciplines related		[SU4] test/exam - oral or written		
	[BIOLMEDMU2_W02] is oriented to the currently debated problems in medical biology and related disciplines		He is oriented in the currently discussed problems concerning neuroparasitology and related disciplines		[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		Has an in-depth knowledge of neuroparasitology and knows its main trends development		[SW4] test/exam - oral or written		
	[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 neuroparasitology in everyday professional/scientific activities		[SU1] oral statement/conversation/discussion [SU4] 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		

Subject contents	Parasites have a variety of meanings for their hosts, including that they can control their nervous system, influence their behavior. This facilitates the transmission of parasites to subsequent hosts and promotes the maintenance of parasite populations in the environment; and consequently also affects the ecology, physiology and evolution of the hosts. Selected parasites will be presented, including their adaptations to parasitism, the mechanism of influence on nervous system function and host behavior, and the neurological consequences of parasitic invasions		
Prerequisites and co-requisites	Basic knowledge of parasitology. Ability to read scientific biological texts in English with understanding.		
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	Bogitsh B.J., Carter C.E., Oeltmann T.N., 2005. Human parasitology. Elsevier, Burlington. Brown H.W., Neva F.A., 1983. Basic clinical parasitology. Appleton-Century-Crofts, Norwalk, Connecticut. Buczek A., 2010. Choroby pasożytnicze epidemiologia, diagnostyka, objawy. Akapit, Lublin. Huges D.P., Brouder J., Thomas f. (red.) 2012. Host manipulation by parasites. University of Oxford, UK. Liberski P. Kozubski W., Katz M., red., 2015. Choroby zakaźne układu nerwowego. PZWL, Warszawa. Moore J., 2002. Parasites and the behavior of animals. Oxford University Press, New York. Pawłowski Z.S., Stefaniak J., red., 2004. Parazytologia kliniczna w ujęciu wielodyscyplinarnym. PZWL, Warszawa	
	Supplementary literature	Pojmańska T. [red.] 2016. Leksykon parazytologiczny. PTP, Warszawa. Selected articles from the Journal of Neuroparasitology.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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