University of Gdańsk

Subject card

Subject name and code	Medical parasitology, PG_00146902		
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	1.0
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	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	3.0	7.0	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
[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 [SK4] test/exam - oral or written
[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 the level of cellular, tissue, organ and organismal levels, describes the basic evolutionary concepts and mechanisms, and explains the functional relationships in the parasite-host system	[SW3] text preparation/written work
[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, development cells and organisms, and the genetic basis of human physiology and diseases, including parasitic diseases and transmissible human infectious diseases.	[SW4] test/exam - oral or written
[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 understanding, synthesize data in the field of medical parasitology.	[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	[SU4] test/exam - oral or written
[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

Subject contents

Definition and types of parasitism. An 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. Parasitoses of humans - 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	• Błaszak C. [red.] 2009-2012. Zoologia, t.1-2. Bezkręgowce. PWN, Warszawa. • Błaszkowska J., Ferenc T., Kurnatowski P., 2017. Zarys parazytologii medycznej. Edra Urban & Partner, Wrocław. • Bogitsh B.J, Carter C.E., Oeltmann T.N. 2005. Human parasitology. Academic Press, Saint Louis. • Buczek A. 2005. Choroby pasożytnicze. Epidemiologia i diagnostyka, objawy. Koliber, Lublin. • Cianciara J., Juszczyk J. 2012. Choroby zakaźne i pasożytnicze. Wyd. Czelej, Lublin. • Deryło A. [red.] 2011. Parazytologia i akaroentomologia 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. Volumed, Wrocław. • Izdebska J.N. 2014. Wszy? Poznaj i pokonaj problem PWN, Warszawa. • Kadłubowski R. 1999. Zarys parazytologii lekarskiej. PZWL, Warszawa. • Niewiadomska K., Pojmańska T., Machnicka B., Czubaj A. 2001. Zarys parazytologii ogólnej. PWN, Warszawa. • Pawłowski Z.S., Stefaniak J. [red.] 2004. Parazytologia kliniczna w ujęciu wielodyscyplinarnym. PZWL, Warszawa. • Pojmańska T. [red.] 2016. Leksykon parazytologiczny. PTP, Warszawa.
	Supplementary literature	• Combes C. 1999. Ekologia i ewolucja pasożytnictwa. PWN, Warszawa. • Izdebska J.N. 2005. Roztocze skórne człowieka i zwierząt domowych. (W:) Alergia na roztocze. B. Majkowska-Wojciechowska [red.]. Mediton, Łódź: 95-105. • Piotrowski F. 1990. Zarys entomologii parazytologicznej. PWN, Warszawa. • Rolbiecki L. 2007. Zastosowanie kwasu octowego i alkoholu benzylowego 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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