University of Gdańsk

Subject card

Subject name and code	Applied zoology, PG_00198122						
Field of study	Natural Resources Conservation						
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		dr Sławomira Fryderyk				
	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	To identify the importance of different animal groups for humans and the environment, including positive and negative interactions between animals and humans. To be able to identify selected animal species, particularly beneficial animals and those that are pathogenic and considered pests. Knowledge of the biology and principles of animals with applications in bionics.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[OZPL3_W11] The graduate have an advanced knowledge and understanding of the concepts and terminology of natural science, as well as knowledge of the evolution of natural sciences and the research methods employed in them. They are also cognizant of the potential for practical application	- the graduate is familiar with the basic concepts and terminology of zoology and has an understanding of the development of the zoological sciences and the research methods applied in them, as well as an awareness of their potential use in practice	[SW4] test/exam - oral or written
[OZPL3_W14] The graduate understands the relationship between the achievements of natural sciences and their potential applications in socio-economic contexts, while considering the sustainable use of biodiversity	- the graduate explains the relationship between the achievements of zoological science and the possibilities of their use in economic life	[SW4] test/exam - oral or written
[OZPL3_K05] The graduate is ready to understand the need to improve their own competences, update their knowledge and improve their skills	- the graduate understands the need for further learning and improvement of skills	[SK1] oral statement/conversation/ discussion
[OZPL3_U03] The graduate is able to search for and use available sources of biological information, including electronic sources, and critically analyse them	- the graduate independently searches for and uses the available sources of zoological information, including electronic sources	[SU1] oral statement/conversation/ discussion
[OZPL3_W04] The graduate possesses advanced knowledge and understanding of the characteristics, systematics, and evolution of selected groups of organisms, as well as the basic concepts and mechanisms of evolution	- the graduate knows and recognises selected species of animals useful to humans, including farmed, protected, pathogenic, pest, indicator, bionic species of importance	[SW4] test/exam - oral or written

Subject contents

Discuss the biology and diversity of animals with a focus on groups of human utility - farm species, pathogens, pests, as well as indicator organisms and those of importance in bionics.

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	Boczek J., red. 1994, 1996, 1999, 2001. Diagnostyka szkodników roślin i ich wrogów naturalnych. Tom 1-4. SGGW, Warszawa. Bowman D.D. 2012. Parazytologia weterynaryjna Georgis. Elsevier Urban & Partner. Deryło A., red. 2002. Parazytologia i akaroentomologia medyczna. PWN, Warszawa. Kawecki Z. 1982. Zoologia stosowana. PWN, Warszawa. Samek A. 2010. Bionika: wiedza przyrodnicza dla inżynierów. AGH, Kraków.
Supplementary literature	Błaszak C. (red.), 2009-2020. Zoologia. T. 1-3. PWN, Warszawa. Izdebska J.N., Fryderyk S. 2008. Morfological differentiation and interesting adaptations to parasitism in sucking lice and biting lice (Insecta, Anoplura). (W:) Arthropods. Influence on host. A. Buczek, C. Błaszak (red.). Akapit, Lublin: 21-28. Rajski A. 1994. Zoologia. T. I i II. PWN, Warszawa.

	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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