University of Gdańsk

Subject card

Subject name and code	Applied zoology, PG_00198121		
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	2.0
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	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

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_U01] The graduate is able to use basic apparatus and research tools, maintains the correct sequence of operations in laboratory and field work and apply the principles of savoir-vivre in practice	- the graduate in the use of basic apparatus and research tools used in zoological research and follow the correct sequence of operations in laboratory work	[SU3] text preparation/written work [SU6] demonstration of practical skills [SU8] observation of student's independent or team work
[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 [SW1] 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 will know and recognise selected species of animals useful to humans, including farmed, protected, pathogenic, pest, indicator, bionic species of importance	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
[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 search for and use available zoological information sources, including electronic sources	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU3] text preparation/written work
[OZPL3_K07] The graduate is prepared to demonstrate responsibility for the equipment/ materials entrusted, respects the work of others and is ready to consciously apply the principles of savoir-vivre in life	- the graduate is responsible for the equipment/materials entrusted to him/her and respects the work of others	[SK6] demonstration of practical skills [SK8] observation of student's independent or team work
[OZPL3_U04] The graduate is able to plan and carry out simple research tasks in the biological sciences under the guidance of a supervisor	- the graduate carries out simple experiments in practical zoology under the guidance of his/her mentor	[SU2] presentation/project/paper/ report [SU6] demonstration of practical skills [SU8] observation of student's independent or team work

Subject contents

The exercise programme provides a practical introduction to selected groups of animals of importance to humans, including pests, parasites, beneficial species, indicator species, of importance in bionics. Practical identification of species taking into account preparation methods preparation methods.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
a multimedia presentation on a chosen theme	51.0%	33.4%
attendance	85.0%	0.0%
colloquium II	51.0%	33.3%
colloquium I	51.0%	33.3%

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.
	Supplementary literature	Błaszak C. (red.), 2009-2020. T. 1-3. Zoologia. 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. Moraczewski J., Riedel W., Sołtyńska M., Umiński T. 1974. Ćwiczenia z zoologii bezkręgowców, PWN, Warszawa. 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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