

Subject card

Subject name and code	Applied zoology, PG_00103599						
Field of study	Environmental Protection						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2028/2029		
Education level	Bachelor's studies	Subject group			Optional subject group		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	6	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	<p>To identify the importance of different animal groups for the environment, including positive and negative interactions between animals and humans.</p> <p>To be able to identify selected animal species, particularly beneficial animals and those that are pathogenic and considered pests in different types of environment. Knowledge of the biology of alien species, including invasive species, and their impact on the environment and native fauna.</p>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[OŚL3_W05] Explains the course of natural and anthropopressional physical, chemical and biological processes and phenomena occurring in nature at various levels of matter organisation.	Knows and recognises selected animal species from natural environments and those that are the result of anthropopressure. Knows animal species useful to humans, including species of farmed, protected, pathogenic, pest, indicator, alien and invasive species. Knows the species subject to various forms of protection. Understands the need to to conserve diversity and describes methods and forms of animal conservation.	[SW4] test/exam - oral or written
	[OŚL3_K05] Identifies the level of her/his knowledge and skills, demonstrates the need to update knowledge about the environment and its protection, demonstrates the need for continuous professional training and personal development.	Understands the need for further education.	[SK1] oral statement/conversation/discussion
	[OŚL3_W08] Explains the mechanisms of economic and consumer pressure on the environment and recognises the possibilities of reducing it using the latest knowledge and scientific achievements.	Defines and understands the causes and prevention of imbalances in the qualitative and quantitative composition of animal organisms in the environment.	[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion
[OŚL3_U04] Uses specialist language in the discussion and properly uses the nomenclature in the field of environmental protection and individual disciplines related to it.	Demonstrates the ability to identify animals of human use, including farmed, protected, pathogenic, pest species, indicator, alien and invasive. Uses correct zoological terminology and nomenclature in the context of useful species for man.	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written	
Subject contents	Discuss the structure, biology and diversity of animals with particular emphasis on groups of human use - species of breeding, pathogens, pests, as well as indicator, alien and invasive organisms.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written test	51.0%	100.0%
Recommended reading	Basic literature	Kawecki Z., Zoologia stosowana. PWN, Warszawa. 1988.	
	Supplementary literature	Błaszak C. (red.), Zoologia. T.1. Bezkręgowce. PWN, Warszawa. 2009. Błaszak C. (red), Zoologia. T. 2, Stawonogi, cz. 1, 2. PWN, Warszawa. 2011, 2012. Błaszak C. (red.), Zoologia. T. 3. Szkarłupnie - płazy, cz. 1. PWN Warszawa. 2015. Błaszak C. (red.), Zoologia. T. 3. Ssaki, cz. 3. PWN Warszawa. 2020. Rajski A., Zoologia. T. 1-2. PWN, Warszawa. 1997.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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