

Subject card

Subject name and code	Contemporary methods in animal taxonomy, PG_00154457						
Field of study	Biology						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study 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	Department of Evolutionary Genetics and Biosystematics -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. Tadeusz Namiotko				
	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 introduce students to contemporary research methods in animal taxonomy. To learn the basic techniques and steps of phenetic and cladistic analysis of both morphological and molecular data.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[BIOLL3_W14] The graduate knows the theoretical basis of experimental methods and the most important techniques of the biological sciences		The graduate explains the principles of basic research methods in animal taxonomy.		[SW4] test/exam - oral or written		
	[BIOLL3_W10] The graduate is familiar with the development and current state of knowledge and the latest trends in biology, as well as their relationship with other natural disciplines		The graduate understands the advantages, disadvantages and limitations of using the various methods used in animal taxonomy.		[SW4] test/exam - oral or written		
Subject contents	Taxonomic phenetic analysis of morphological data. Basic molecular techniques used in the taxonomy of animals. Presentation of basic statistical methods in the analysis of sequence data. Phylogenetic inference.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	written exam test		51.0%		100.0%		

Recommended reading	Basic literature	Awise J.C. 2004. Molecular markers. Sinauer Associates. Inc., Sunderland Brown T. A. 2023. Genomes. CRC Press, Boca Raton. Hall B.G. 2008. Phylogenetic trees made easy. Sinauer Associates Inc., Sunderland.
	Supplementary literature	Hills D. M. i in. (red.). 1996. Molecular systematic. Sinauer Associates, Sunderland, MA.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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