University of Gdańsk

Subject card

Subject name and code	Contemporary methods in animal taxonomy, PG_00196862		
Field of study	Biology		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
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 has an advanced understanding of experimental methods and the most important techniques used in 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	Avise 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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