University of Gdańsk

Subject card

Subject name and code	Diploma laboratory, PG_00198147		
Field of study	Natural Resources Conservation		
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 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	3	Language of instruction	Polish
Semester of study	6	ECTS credits	8.0
Learning profile	academic	Assessment form	credit
Conducting unit	Laboratory of Vertebrate Ecology and Ethology -> Department of Vertebrate Ecology and Zoology -> Faculty of Biology -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Adrian Zwolicki	
	Teachers		

Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	90.0	0.0	0.0	90
	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	90	45.0	65.0	200

Subject objectives	Preparing students to carry out independent thesis work using methods, research tools, and procedures applied in the creation of scientific publications and presentations within a given field of study.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[OZPL3_W16] The graduate has a comprehensive understanding of the legal regulations governing intellectual property rights and applies them accurately in speeches and papers	The student has advanced knowledge and understanding of the principles of intellectual property protection and is able to apply them in practice when preparing and presenting scientific works and presentations, adhering to the principles of citation, copyright protection, and plagiarism avoidance.	[SW3] text preparation/written work
[OZPL3_K03] The graduate is ready to identify priorities to achieve a task defined by him/ herself or others	The student is able to establish action priorities necessary for the implementation of a given project or exercise, effectively planning the order and method of completing individual stages of work, taking into account available resources and time.	[SK5] implementation of a problem task
[OZPL3_U08] The graduate is able to use the scientific language typical of the biological sciences in discussions with specialists	The student is able to participate in discussions on biological topics, using precise scientific language characteristic of the natural sciences, formulating logical arguments, and presenting results and conclusions in a manner understandable to specialists.	[SU3] text preparation/written work
[OZPL3_K04] The graduate is ready to understand the need for honesty and integrity in scientific and professional work, and consciously applies the principles of bioethics	The student understands the importance of honesty and integrity in scientific and professional work, consciously adheres to the principles of bioethics in the planning, implementation, and presentation of research, and ensures an ethical approach toward both research subjects and collaborators.	[SK8] observation of student's independent or team work
[OZPL3_U09] The graduate can prepare a properly documented study of selected biological problems	The student is able to prepare a properly documented study of a selected biological problem, including a critical analysis of scientific literature, appropriate selection of data, and clear presentation of the results in written or multimedia form.	[SU3] text preparation/written work
[OZPL3_W10] The graduate possesses a comprehensive understanding of current issues in protection of natural resources and related fields	The student is familiar with contemporary issues in biology and can identify their connections with other natural science disciplines.	[SW1] oral statement/ conversation/discussion
[OZPL3_U02] The graduate can read with comprehension scientific texts in the field of natural sciences in Polish and simple texts in English	Uses available scientific materials in the field of natural sciences in both Polish and English.	[SU2] presentation/project/paper/ report
[OZPL3_U11] The graduate is able to present specific biological topics during oral presentations in Polish and in a foreign language	The student has the ability to deliver oral presentations in Polish on specific topics related to the natural environment.	[SU1] oral statement/conversation/ discussion

Subject contents

Practical application of research methods used in natural sciences.
Techniques for collecting and processing scientific materials.
Research planning.
Principles of conducting scientific experiments.
Techniques for writing scientific papers in the natural sciences.
Content tailored to the topic of the diploma thesis.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
independent work of the student	50.0%	100.0%

Recommended reading

Basic literature	Weiner J. 2006. Techniki pisania i prezentowania przyrodniczych prac naukowych. Przewodnik praktyczny. PWN, Warszawa. Wojciechowski T., Doktór G. 1999. Jak pisać prace dyplomowe licencjackie i magisterskie: poradnik. WSZiM, Warszawa.
Supplementary literature	Normando, D. (2014). Writing a scientific paper: Where to start from?. *Dental Press Journal of Orthodontics*, 19, 1 - 1. https://doi.org/10.1590/2176-9451.19.1.001-001.edt.
eResources addresses	

Example issues/ example questions/ tasks being completed	Practical application of research methods used in natural sciences. Techniques for collecting and processing scientific materials. Principles of conducting scientific experiments. Techniques for writing scientific papers in the field of natural sciences. Content adapted to the topic of the diploma thesis.
Work placement	Not applicable

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