University of Gdańsk

Subject card

Subject name and code	Typology and water protection, PG_00198119						
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							
Name and surname of lecturer (lecturers)	Subject supervisor		mgr Rafał Ronowski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	30.0	0.0	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		3.0		17.0	50
Subject objectives	1. Understanding of the phenomena and processes that determine the differentiation and classification of water bodies.2. Knowledge of water protection regulations and ways of assessing water status.						

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	apparatus, research tools and follows the correct sequence of field work performed	[SU2] presentation/project/paper/ report [SU6] demonstration of practical skills
[OZPL3_U04] The graduate is able to plan and carry out simple research tasks in the biological sciences under the guidance of a supervisor	under the guidance of a supervisor, plans and performs simple measurements of features of the aquatic	[SU2] presentation/project/paper/ report [SU6] demonstration of practical skills
[OZPL3_W07] The graduate has an advanced understanding of the methods and means of nature and environmental protection, including nature monitoring	protect water, understands the need for constant monitoring of aquatic ecosystems	[SW4] test/exam - oral or written
[OZPL3_W06] The graduate has an advanced understanding of the names and types of natural environments, including their structural and functional characteristics	names and classifies types of aquatic environments and characterizes them in both structural and functional terms	[SW4] test/exam - oral or written
[OZPL3_U06] The graduate is able to make observations and perform basic physical, biological and chemical measurements in the field or laboratory	makes field observations and performs basic measurements of physical, chemical and biological characteristics	[SU2] presentation/project/paper/ report
[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	is responsible for the measuring equipment entrusted to him and respects the work of others	[SK2] presentation/project/paper/ report [SK8] observation of student's independent or team work
[OZPL3_K05] The graduate is ready to understand the need to improve their own competences, update their knowledge and improve their skills	understands the need to improve their own competence and updates the acquired knowledge of reservoirs, aquatic organisms and improves skills to protect them effectively	[SK2] presentation/project/paper/ report [SK8] observation of student's independent or team work

Subject contents

Diversity of Pomeranian flowing and standing waters, trophic classification of reservoirs, aquatic organisms and environmental conditions as basic elements of water classification.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
written individual report on field activities	51.0%	50.0%
Team project (written and its multimedia presentation)	51.0%	50.0%

Recommended reading

Basic literature	n/a
Supplementary literature	n/a
eResources addresses	

Example issues/ example questions/ tasks being completed

Work placement

Not applicable

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