University of Gdańsk

Subject card

Subject name and code	Diploma seminar in Monitoring and Protection of Marine Waters, PG_00201549		
Field of study	Water Management and Protection of Water Resources		
Date of commencement of studies	October 2027	Academic year of realisation of subject	2029/2030
Education level	Bachelor's studies	Subject group	Obligatory subject group in the field of study Optional subject group Subject group related to practical vocational preparation
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	9.0
Learning profile	practical	Assessment form	credit
Conducting unit			
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Dorota Burska, prof. UG	
	Teachers		

Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	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	192.0	225

Subject objectives
Familiarizing students with the methodology for creating simple monograph-style works. Technical support for students' independent preparation and editing of their bachelor's theses. Familiarizing students with the current methodological conventions and proper documentation of a bachelor's thesis. Substantive assistance in resolving problematic situations and systematic monitoring of student progress in completing the thesis. Preparation of the thesis.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GWOZWL3-K04] maintain a critical attitude in accepting information from various sources relating to issues in the field of water management.	Is able to critically evaluate information from various sources regarding the conditions of the marine environment, understanding the impact of water management processes on its condition and protection	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report
[GWOZWL3-W07] knowledge of data sources and the theoretical foundations of data collection, compilation and evaluation for a dissertation.	knows and understands data sources, including the theoretical foundations of data collection techniques related to the marine environment and its protection, as well as the collection, verification, and quality assessment of data for a thesis in this field	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[GWOZWL3-W12] basic concepts and principles in the field of protection of industrial property and copyright.	knows and understands the basic concepts and principles of industrial property protection and copyright law, including reports and academic papers, databases, and graphic materials in a thesis	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[GWOZWL3-U09] prepare in Polish a well documented study of the results in the scope of the studied issues.	is able to prepare, in Polish, a report on findings related to the marine environment, including its protection, taking into account the need for proper documentation of the presented data	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
[GWOZWL3-K01] act independently and effectively organize own and team work, is ready to critically assess the degree of its advancement and completion of the tasks set.	is able to independently organize their own work and critically evaluate its results; demonstrates a willingness to engage in thoughtful discussion, ask questions, and defend their own conclusions regarding complex scientific and social issues related to environmental protection	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report
[GWOZWL3-K02] adhere to the principles of intellectual honesty and professional ethics.	adheres to the principles of intellectual integrity and professional ethics; ensures that intellectual property rights are respected when using numerous and diverse external sources of information, as well as with regard to data generated by the individual, which is subject to equivalent legal protection	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report
[GWOZWL3-U11] prepare oral presentations of a scientific nature.	is able to prepare and deliver an oral presentation on marine environmental protection, adhering to the proper structure of a scientific presentation (introduction, methodology, results, discussion, and conclusions) and demonstrating an understanding of the processes that determine the state of the ecosystems under study	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report

Subject contents

1. Data sources in water science and water quality, with particular emphasis on environmental data from open databases.
2. Selected research methods in water science and methodologies for collecting environmental data in theoretical and practical studies.
3. Principles of validation and critical assessment of data quality derived from various research methods.
4. Analysis and interpretation of scientific texts, statistical data, and data related to monitoring, the state, and protection of the marine environment (including data available in open databases).
5. Principles of proper scientific writing.
6. Preparing presentations on the individual stages of the work.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
participation in the discussion	51.0%	30.0%
oral presentations, presentation	51.0%	70.0%

Recommended reading	Basic literature	
	Supplementary literature	
	eResources addresses	
Example issues/ example questions/ tasks being completed	Define the main objective and implementation goals for your chosen thesis topic. Based on the thesis objectives, attempt to create an organization of the thesis content. Prepare a spatial visualization of the research area. Present, discuss, and critically evaluate the literature and cartographic materials collected for the thesis.	
Work placement	Not applicable	

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