University of Gdańsk

Subject card

Subject name and code	Diploma Seminar in Hydrology, PG_00208938		
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	Department of Hydrology -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Izabela Chlost	
	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

- Familiarization of students with the methodology of creating simple works in the nature of a scientific monograph.
- Technical support in independent preparation and editing of diploma (bachelor's) theses by students.
- Familiarizing students with the applicable methodological conventions and correct documentation of a bachelor's thesis in the fields of hydrology, water management, and water protection.
- Substantive assistance in solving problem situations, systematic monitoring of the student's progress in completing the diploma thesis.
- Preparation of a diploma thesis.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GWOZWL3-U09] prepare in Polish a well documented study of the results in the scope of the studied issues.	Is capable of independently preparing a well-documented report in Polish on findings related to water management and the protection of water resources, utilizing reliable, verified sources of information and adhering to principles of scientific rigor.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU3] text preparation/written work
[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 copyright law and their significance in the preparation of a thesis related to water management and the protection of water resources.	[SW2] presentation/project/paper/ report [SW3] text preparation/written work
[GWOZWL3-U11] prepare oral presentations of a scientific nature.	Demonstrates readiness to prepare and deliver an oral presentation of a scientific nature concerning water management and the protection of water resources, utilizing reliable sources of information, principles of sound argumentation, and scientific communication.communication.	[SU1] oral statement/conversation/ discussion
[GWOZWL3-K02] adhere to the principles of intellectual honesty and professional ethics.	They understand and observe intellectual property principles by citing literature in their presentations and thesis in accordance with applicable guidelines.	[SK2] presentation/project/paper/ report [SK3] text preparation/written work
[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.	Demonstrates readiness and commitment to acting independently and responsibly, effectively organizing both individual and team work, and critically evaluating the progress of assigned tasks related to the chosen topic in water management and water resource protection. Is capable of critically assessing the stage of their work and the execution of assigned tasks in relation to the ultimate goal: the timely submission of the thesis.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK3] text preparation/written work
[GWOZWL3-K04] maintain a critical attitude in accepting information from various sources relating to issues in the field of water management.	Is capable of analyzing, verifying, and evaluating gathered materials for reliability regarding issues of water management, the protection of water resources, and natural environmental components that influence hydrological conditions.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK3] text preparation/written work
[GWOZWL3-W07] knowledge of data sources and the theoretical foundations of data collection, compilation and evaluation for a dissertation.	Knows the sources and methods of acquiring data necessary for the completion of a thesis in the field of water management and water resource protection. They are able to create a custom database based on this data, make a preliminary assessment of the data's reliability and suitability for the thesis, and process and visualize the information.	[SW2] presentation/project/paper/ report [SW3] text preparation/written work

Subject contents	• Data sources in water sciences. Databases on water and water management. • Choosing a topic for a diploma thesis, principles of composing the content layout and formulating the purpose of the thesis. • Methods of collecting literature and source materials and methods of verifying them. • Analysis and interpretation of scientific texts, statistical data and cartographic materials. • Rules for proper editing of scientific texts (methods of creating large-volume texts, content layout, rules for preparing and including figures and tables in the work, captions under figures and tables, numbering of chapters, figures, tables, formulas, appendices, rules for citing literature in the text and creating literature list, etc.). • Selected research methods in water sciences. • Preparing reports on individual stages of work.
Prerequisites and co-requisites	

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
participation in discussion	51.0%	20.0%
preparing the thesis	51.0%	50.0%
presentation of prograess in thesis preparation	51.0%	30.0%

Recommended reading

Basic literature	• Weiner J., 1998, Technique of writing and presenting natural science papers. Practical guide, PWN, Warsaw. • Editorial requirements for master's theses, 2008, http:// ografia.univ.gda.pl/kat/kge/. • Apanowicz J., 2003, Methodology of science, Tow. Scientific Organization and Management "Dom Organizatora", Toruń. • Oliver P., 1999, How to write university theses: a guide for students, Wydawnictwo Literackie, Kraków. • Plit F., 2007, How to write bachelor's and master's theses in geography, Ed. Univ. Warszawskiego, Warszawa. • Wosik E. (ed.), 2005, Report on the principles of respecting authorship in diploma and doctoral theses in academic and scientific institutions, Institute of Knowledge Society / Polish Rectors Foundation, Warsaw.
Supplementary literature	• Bielec E., Bielec J., 2007, Handbook of writing papers, Ed. EJB, Kraków.
eResources addresses	

Example issues/ example questions/ tasks being completed	• Set the main goal and implementation goals for the selected topic of your diploma thesis. • Based on the designated goals of the diploma thesis, try to create a layout of the content of the thesis. • Prepare a spatial visualization of the research area. • Present, discuss and critically evaluate the literature and cartographic materials collected for your diploma thesis.
Work placement	Not applicable

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