University of Gdańsk

Subject card

Subject name and code	Diploma Laboratory in Hydrology - laboratory classes, PG_00201521		
Field of study	Water Management and Protection of Water Resources		
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 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 hab. Joanna Fac-Beneda	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	30.0	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	2.0	193.0	225

Subject objectives

- To familiarise students with the methodology for the creation of simple works of the nature of a scientific monograph and to provide technical support in the independent preparation and editing of diploma (undergraduate) theses by students;
- Technical support in students' independent preparation and editing of thesis (bachelor's thesis) in the specified methodological convention and with correct documentation;
- Preparation of the bachelor thesis

Learning outcomes

Course outcome	Subject outcome	Method of verification
	knows and understands data sources and theoretical basis of data extraction techniques, collects and pre-assesses data for the thesis	[SW2] presentation/project/paper/ report [SW3] text preparation/written work
	is able to learn and plan his/her own development in a targeted manner	[SU3] text preparation/written work [SU6] demonstration of practical skills [SU8] observation of student's independent or team work
	knows and understands the basic concepts and principles of industrial property and copyright protection	[SW1] oral statement/ conversation/discussion
	is able to use the literature and other sources of information available, including information technology, multimedia, Internet resources and databases, and to select and critically evaluate information	[SU1] oral statement/conversation/ discussion [SU3] text preparation/written work [SU8] observation of student's independent or team work
	is willing to undergo systematic retraining and professional development, to update and expand his/her knowledge and skills, understands the limits of his/ her own knowledge in the context of the progress of civilisation and recognises authority in the professional and scientific community	[SK1] oral statement/conversation/ discussion [SK8] observation of student's independent or team work
	is ready to act independently and organise his/her own work and that of the team effectively, is prepared to evaluate critically the degree of progress and completion of the tasks set (curricular content	[SK1] oral statement/conversation/ discussion [SK8] observation of student's independent or team work

Subject contents

1. Data sources in water science.
2. Methods of collecting literature and source materials.
3. Analysis and interpretation of scientific texts, statistical data and cartographic materials.
4. Principles of correct editing of a scientific text (methods of creating a voluminous text, layout of content, rules for making and including figures and tables in the work, figure and table captions, numbering of chapters, figures, tables, formulae, appendices, rules for citing literature in the text and creating a literature list, etc.).
5. Selected research methods in water science.
6. Preparation of reports on the various stages of the thesis.
7. Undergraduate thesis topics.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Oral presentation, participation in discussion	51.0%	10.0%
assessment of the thesis manuscript	51.0%	50.0%
stage presentations of work progress	51.0%	40.0%

Recommended reading

Basic literature	Literature related to the thesis

	Supplementary literature	• Weiner J., 1998, Techniques for writing and presenting natural science papers. A practical guide, PWN, Warsaw, • Requirements for editing master's theses, 2008, http:// geografia.univ.gda.pl/kat/kge/. • Apanowicz J., 2003, Methodology of sciences, Tow. Naukowe Organizacji i Kierownictwa Dom Organizatora, Toruń. • Bielec E., Bielec J., 2007, Handbook of writing papers, EJB Publishing House, Kraków. • Oliver P., 1999, How to write university papers: a guide for students, Wydawnictwo Literackie, Kraków. • Plit F., 2007, How to write undergraduate and graduate geography papers, Wyd. Uniw. Warszawskiego, Warszawa. • Wosik E. (ed.), 2005, Report on the principles of respect for authorship in theses and dissertations at academic and scientific institutions, Instytut Społeczeństwa Wiedzy / Polish Rectors Foundation, Warszawa.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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