University of Gdańsk

Subject card

Subject name and code	Diploma Laboratory in Hydroclimatology - laboratory classes, PG_00192632		
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			
Name and surname of lecturer (lecturers)	Subject supervisor	dr Mirosława Malinowska	
	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

Familiarizing students with the methodology of creating simple scientific monographs in the field of hydroclimatology and providing technical support in the independent preparation and editing of student theses (bachelor's);

Technical support for students in the independent preparation and editing of bachelor's theses in the field of hydroclimatology in a specific methodological convention and with correct documentation

Preparation of a bachelor's thesis

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GWOZWL3-K03] systematic further education and professional development, updating and expand his knowledge and skills, understands the limitations of his own knowledge in the context of civilization progress and recognizes authorities in the professional and scientific environment.	The student is ready to systematically improve their knowledge and professional skills based on the latest scientific achievements and the knowledge and opinions of scientific and professional authorities.	[SK1] oral statement/conversation/ discussion
[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.	The student is ready to independently organize their own work in preparation for their thesis, critically assesses the degree of its advancement and the quality of the execution of its individual stages.	[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.	The student knows the sources of standard and non-standard meteorological and climatological data, methods of obtaining and collecting them, and methods of verifying their quality.	[SW2] presentation/project/paper/ report [SW3] text preparation/written work
[GWOZWL3-U17] learn and plan his development independently in a targeted manner.	Students learn independently and develop in a focused manner.	[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.	The student knows the basic concepts and principles of industrial property protection and copyright law and applies them in relation to the sources of information used in the thesis.	[SW2] presentation/project/paper/ report [SW3] text preparation/written work
[GWOZWL3-U07] use literature and other available sources of information, including information technology, multimedia, Internet, databases, and select and critically evaluate information.	The student skillfully uses available literature and other sources of information in the field of hydroclimatology, is able to search for and select information relevant to the topic of their thesis, applying a critical approach.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU3] text preparation/written work

Subject contents

1. Sources of hydroclimatic data.

2. Methods of literature review and sourcing of source materials.

3. Methods of research in the field of hydroclimatology.

4. Analysis and interpretation of scientific texts, statistical data, and cartographic materials in the field of hydroclimatology.

5. Principles of proper scientific text editing (methods of creating large-volume texts, content layout, rules for creating and placing figures and tables in a thesis, captions for figures and tables, numbering of chapters, figures, tables, formulas, appendices, rules for citing literature in the text and creating a bibliography, etc.). .

6. Preparing presentations discussing the individual stages of preparing a thesis.

7. Preparing the text of a thesis

Prerequisites and co-requisites

Assessment methods and criteria

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

Recommended reading

Basic literature	xxx
Supplementary literature	xxx
eResources addresses	

Example issues/ example questions/ tasks being completed	Topics for stage presentations, e.g. - characterize the source materials and research methods used in the work - prepare a presentation of the research results
Work placement	Not applicable

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