University of Gdańsk

Subject card

Subject name and code	Presentation of scientific research, PG_00135517		
Field of study	Physical geography and geoinformation		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
Education level	Master's studies	Subject group	Obligatory subject group 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 Polish
Semester of study	4	ECTS credits	2.0
Learning profile	academic	Assessment form	
Conducting unit	Department of Hydrology -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Alicja Bonk	
	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	15.0	15.0	60

Subject objectives
1. Acquiring of the skills necessary to present scientific work in various forms (poster, discussion, abstract, scientific article). 2. Acquiring of the ability to deliver oral presentations that are communicative, persuasive, coherent and linguistically correct. 3. Enhancing the ability to evaluate and provide constructive criticism of the scientific work of others.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[GFGMU2_U02] precisely and appropriately use terminology in the field of physical geography and geoinformation in oral statements and written works	Be able to apply physical geography and geoinformation terminology proficiently in oral statements and written work	[SU1] oral statement/conversation/ discussion
	[GFGMU2_U04] describe and analyze the causes and course of physical and geographical processes and phenomena, selecting and applying advanced techniques and research tools in the field of statistical and geoinformation methods, interpreting the results, using theoretical knowledge to formulate own opinions and conclusions	Be able to describe and analyse the causes and course of phenomena and processes in the geographical environment using advanced techniques and tools from the field of statistical methods, interpreting the results obtained and formulating conclusions.	[SU2] presentation/project/paper/ report
	[GFGMU2_U01] find, select and critically evaluate sources of information about the research problem to be implemented	Be able to find, select and critically evaluate sources of information on a research problem.	[SU1] oral statement/conversation/ discussion
	[GFGMU2_K03] accepting responsibility for group work assuming various roles in it, participating in preparation of scientific projects, taking responsibility for the equipment and safety rules, active developing of professional competences and knowledge in Earth and environmental sciences and geoinformation, including interdisciplinarity, as well as developing the principles of professional ethics, respecting copyright rules	Be ready to actively broaden his/ her professional competences and update his/her knowledge in earth and environmental sciences and geoinformation enriching it with an interdisciplinary dimension, respecting and developing the principles of professional ethics, including respecting copyrights in his/her own and others' activities.	[SK2] presentation/project/paper/ report
	[GFGMU2_K01] critical assessment of knowledge in the field of Earth and environmental sciences and geoinformation, its completion and verification through critical analysis of scientific literature	Be ready to critically evaluate his knowledge in the field of his thesis, to complete it and to verify his knowledge and skills through active participation in discussions.	[SK1] oral statement/conversation/ discussion
	[GFGMU2_U03] effectively use selected scientific literature in the field of physical geography and geoinformation, both in Polish and English	Can make effective use of the scientific literature on physical geography and geo-information both in Polish and English.	[SU2] presentation/project/paper/ report
	[GFGMU2_W01] the specificity of Earth sciences in the field of physical geography, its internal structure, research subject and main research directions, conceptual apparatus, as well as practical applications of scientific achievements	Knows and understands the specificity of the earth sciences in the field of physical geography, its main research directions, the conceptual apparatus, as well as the practical applications of scientific achievements.	[SW1] oral statement/ conversation/discussion
	[GFGMU2_U05] integrate knowledge from the discipline of Earth and environmental sciences, explaining and interpreting the interrelationships between environmental processes and phenomena in order to solve research problems in physical geography and geoinformation	Be able to integrate knowledge from the discipline of earth and environmental sciences, correctly explaining and interpreting the interrelationships between environmental processes and phenomena in order to solve research problems of contemporary climatology, hydrology and geomorphology in the context of the analysis of natural extreme phenomena.	[SU1] oral statement/conversation/ discussion
	[GFGMU2_W08] the most important contemporary problems on a regional and global scale, their essence, genesis and possible consequences	Knows and understands the major problems of physical geography at regional and global scales, their nature, genesis and possible consequences.	[SW2] presentation/project/paper/ report

Course outcome	Subject outcome	Method of verification
[GFGMU2_U07] efficiently perform, present and discuss the results of individual or group research, using a properly understood cause-and-effect sequence of the applied research procedure, visualizing the results of spatial data analysis and reliably documenting own contribution to the conducted procedure	Be able to efficiently carry out, understandably present and discuss the results of his/her own research using a properly understood cause-and-effect sequence of the applied research procedure, skilfully visualising the results of spatial data analysis and credibly documenting his/her own contribution to the procedure.	[SU2] presentation/project/paper/ report
[GFGMU2_W06] advanced conceptual apparatus of physical geography and geoinformation, selected Polish and foreign literature on physical geography and principles of preparing and editing scientific texts	Knows and understands the terminology in physical geography and geoinformation, the Polish and foreign language literature on the geographical environment and geoinformation, and the principles of preparing and editing scientific texts.	[SW2] presentation/project/paper/ report

Subject contents

1. Tables and graphs as a form of research visualization.
2. Oral presentation.
3. Multimedia presentation.
4. Leading and participating in discussions.
5. Principles of composition and poster preparation.
6. Preparation of a conference abstract.
7. Principles of preparing a scientific article: selecting a journal, developing a scientific structure, correct citation, and avoiding plagiarism.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
abstract preparation	51.0%	10.0%
poster design and presentation	51.0%	50.0%
multimedia presentation	51.0%	25.0%
table and chart design	51.0%	15.0%

Recommended reading

Basic literature	Strączak M., 2011, Public presentation. Speak communicably, originally, convincingly!, EdisonTeam.pl, Warsaw. Święchowicz J. (ed.), 2016, General laboratory. Guide to the development of key competences in learning and conducting research during studies, IGiGP UJ, Kraków. Weiner J., 2001, Technique of writing and presenting scientific works on natural sciences, PWN Scientific Publishing House, Warsaw.
Supplementary literature	Buzan T., 2004, Maps of your thoughts, Ravi, Łódź. Schopenhauer A., 2007, Eristics.The art of conducting disputes, Helion Publishing House, Gliwice. Szymanek K., 2012, The art of argumentation. Terminological dictionary, PWN Scientific Publishing House, Warsaw.
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed

1. Oral presentation.
2. Tables and graphs as a form of research visualization.
3. Multimedia presentation.
4. Principles of poster composition.
5. Leading and participating in discussions.
6. Poster presentation.
7. Preparation of a conference abstract.

Work placement

Not applicable

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