University of Gdańsk

Subject card

Subject name and code	Presentation of scientific research (Classes), PG_00201220						
Field of study	Physical geography and geoinformation						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2027/2028		
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		
Semester of study	4		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Geomorphology and Quaternary Geology -> 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		5.0	15.0	50	
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_U04] is able to analyse and interpret the causes and course of physical-geographical processes and phenomena, selects and applies advanced research methods and tools, including statistical and geoinformatics methods, and critically interprets the results obtained, drawing conclusions and formulating their own position on that basis, justified in debate.	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_U07] is able to efficiently perform, present and critically interpret 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_U03] is able to use academic literature in the fields of physical geography and geoinformation in Polish and English, selecting it appropriately for the research objective	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_W08] knows and understands in a deepened extent the most important contemporary problems in the field of contemporary climate change and environmental crises 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
	[GFGMU2_K03] is ready to 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] is ready to critically assess the knowledge obtained in the field of Earth and environmental sciences, particularly physical geography and geoinformation, its completion and verification through further 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_U02] is able to 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_U05] is able to 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

Course outcome	Subject outcome	Method of verification
[GFGMU2_U01] is able to 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_W06] knows and understands in a deepened extent 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
[GFGMU2_W01] knows and understands to a deepened extent the specificity of Earth sciences in the field of physical geography, its internal structure, research subject and main research directions, the methods applied, 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

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
multimedia presentation	51.0%	25.0%
poster design and presentantion	51.0%	50.0%
abstract preparation	51.0%	10.0%
tables and charts 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	

Example issues/ example questions/ tasks being completed	1. Oral presentation. 2. Tables and charts as a form of research visualisation. 3. Multimedia presentation. 4. Principle of poster composition. 5. Leading and participating in discussions. 6. Poster presentations. 7. Writing of a conference abstract.
Work placement	Not applicable

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