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_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_U02] is able to precisely and appropriately use terminology in the field of physical geography and geoinformation in oral statements and written works	Is 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	Is 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_U01] is able to find, select and critically evaluate sources of information about the research problem to be implemented	Is able to find, select and critically evaluate sources of information on a research problem.	[SU1] oral statement/conversation/ discussion
	[GFGMU2_U10] is able to present topics relating to physical geography and geoinformation in a way that is accessible to a diverse audience, and to lead a discussion on a subject relevant to the content being presented	Is able to present the research topics of the Msc Thesis in a way that is accessible to a diverse audience, whilst actively participating in discussion (including chairing) on the subject.	[SU2] presentation/project/paper/ report
	[GFGMU2_K03] is prepared to fulfil professional responsibilities in both independent and team-based work by advancing the field of geography, upholding the profession’s ethos, adhering to and developing the principles of professional ethics, and ensuring compliance with these principles	Is 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 able to behave appropriately in the workplace and in everyday life by critically evaluating information received in the light of their existing knowledge, recognising the importance of knowledge in solving cognitive and practical problems, and, when faced with difficulties, drawing on expert knowledge	Is 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_U04] is able, either independently or as part of a group, to formulate and test hypotheses regarding the causes and progression of physical-geographical processes and phenomena; selects and applies advanced research methods and tools, including statistical and geoinformatics methods, adapting them to the context where necessary; skilfully visualises the results of spatial data analysis, critically interprets the findings, and formulates conclusions and their own position based on these, which they justify in debate	Is 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

Course outcome	Subject outcome	Method of verification
[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
[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_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

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%
tables and charts design	51.0%	15.0%
multimedia presentation	51.0%	25.0%
poster design and presentantion	51.0%	50.0%

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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