

Subject card

Subject name and code	MSc seminar I, PG_00135495						
Field of study	Physical geography and geoinformation						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		3.0		
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 Janusz Filipiak				
	Teachers		prof. dr hab. Wojciech Tylmann prof. dr hab. Roman Cieśliński				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	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		30.0	75
Subject objectives	1. Preparing students to independently write scientific works and present the results of these works. 2. Substantive support in preparing and editing master's theses by students. 3. Ongoing monitoring of progress in preparing the master's thesis.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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	Is ready to critically assess his/her knowledge in the field of his master's thesis, supplement it and verify it through active participation in the discussion.	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report
	[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	Is able to describe and analyze the causes and course of observed natural or anthropogenic phenomena and processes, as well as draw conclusions and express opinions.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU5] implementation of a problem task
	[GFGMU2_K02] active actions to raise awareness of changes occurring in the natural environment and their consequences, as well as initiating activities for the protection of the natural environment	Is ready to actively work to raise awareness of changes taking place in the natural environment on topics related to his/her master's thesis.	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report
	[GFGMU2_U01] 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 about research problem of the master's thesis.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[GFGMU2_W04] theoretical foundations of research methods used in physical geography and closely related sciences, descriptive and mathematical statistics, as well as advanced methods of analyzing spatial phenomena	Knows and understands the theoretical basis of the scientific problem that is addressed in the master thesis, as well as the research methods used to analyze this problem.	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[GFGMU2_W05] principles of planning field and laboratory research using techniques and research tools used in geomorphology, hydrology and climatology, as well as principles of operating equipment and devices used to obtain and process digital geographic information in accordance with health and safety principles	Knows and understands the principles of planning field and laboratory research that are necessary to tackle the scientific problem that is addressed in the master thesis, and the methods of obtaining and processing digital geographic information.	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[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	Is able to present and discuss the results of his own research, visualize the research results and credibly document his own contribution to the research.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[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	Is able to integrate knowledge in the field of the master's thesis, as well as explain the relationships between the processes and phenomena analyzed in the master's thesis.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report

	Course outcome	Subject outcome	Method of verification
	[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	Is ready to take responsibility for working in a group and participating in the preparation of scientific projects related to the implementation of the master's thesis.	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report [SK5] implementation of a problem task
	[GFGMU2_U03] effectively use selected scientific literature in the field of physical geography and geoinformation, both in Polish and English	Is able to effectively use scientific literature related to the research problem covered by the master's thesis.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[GFGMU2_U02] precisely and appropriately use terminology in the field of physical geography and geoinformation in oral statements and written works	Is able to fluently and properly use terminology related to the master's thesis in oral statements and written works.	[SU1] oral statement/conversation/discussion [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 related to the subject of the master's thesis, selected Polish and foreign literature related to the master's thesis and the principles of preparing and editing scientific texts.	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[GFGMU2_U09] plan individually or in a group and perform specialized field measurements and observations of processes and phenomena occurring in the natural environment and interpret their results	Is able to plan and execute field and laboratory work related to the master's thesis, as well as interpret their results.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
Subject contents	1. Presentation of the scope of diploma theses in a specific field of physical geography, including sources and possibilities of obtaining data. 2. Discussion of the principles of: respecting authorship in scientific works, identifying research problems, determining the scope (substantive, temporal and spatial) and goals of the work (cognitive, application, methodological). 3. Formulating research theses/hypotheses, research procedures and selection of appropriate research methods. 4. Creating the structure and layout of work. 5. Presentation of the introductory chapter of the master's thesis.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Progress report (presentation)	51.0%	70.0%
	Participation in discussions during seminars	51.0%	30.0%
Recommended reading	Basic literature	Plit F., 2007, Jak pisać prace licencjackie i magisterskie z geografii, UW, Warszawa (in Polish). Weiner J., 2001, Technika pisania i prezentowania przyrodniczych prac naukowych, Wydawnictwo Naukowe PWN, Warszawa (in Polish).	
	Supplementary literature	Scientific works related to the master's theses under preparation.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	1. Variability of laminated sediments deposition in Lake Garbas, Masurian Lake District. 2. The use of Pb-210 and Cs-137 isotopes for dating sediments of Lake Birkat Al Arayes in Jordan. 3. Historical changes in the natural environment in the Lake Gorzyńskie catchment area.		
Work placement	Not applicable		

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