University of Gdańsk

Subject card

Subject name and code	Geomorphology and Geology - field classes, PG_00201980						
Field of study	Geography						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2027/2028			
Education level	Bachelor's studies		Subject group	Obligatory subject group in the field of study 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	2		Language of instruction	Polish			
Semester of study	4		ECTS credits	3.0			
Learning profile	academic		Assessment form	credit			
Conducting unit	Laboratory of Geomorphological Reconstructions -> Department of Geomorphology and Quaternary Geology -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Piotr Woźniak, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	36.0	0.0	0.0	0.0	36
	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	36		4.0	35.0	75	
Subject objectives	Introduction to planning and independent basic geomorphological field surveys (related to drilling and documentation of outcrops).						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GEOGRL3-U09] is able to work in a group and take on various roles within it, look after the equipment entrusted to them, and ensure their own safety and that of others.	Actively cooperates with the group during field work and data processing, applies basic principles of occupational health and safety.	[SU8] observation of student's independent or team work
[GEOGRL3-U04] can apply field and laboratory methods and research tools, spatial analysis methods, and methods of presenting research results in the field of geography, assess their usefulness for tasks in which the application goal of geography can be realized	Plans and conducts simple field geomorphological surveys and prepares a report presenting their results.	[SU2] presentation/project/paper/ report
[GEOGRL3-U01] can dentify and analyze basic natural and socio-economic processes and phenomena, analyze their causes and course, and formulate and discuss basic issues concerning physical-geographical conditions and the social, economic, and political situation and their changes on various spatial scales	recognizes in the field: sediments of basic sedimentary environments and basic types of relief and rocks.	[SU2] presentation/project/paper/ report
[GEOGRL3-W02] knows and understands key concepts and theories in geography, as well as advanced processes and phenomena related to spatial diversity and the distribution of processes and phenomena on the Earth's surface at various spatial scales, particularly in Poland	Indicates the processes responsible for the genesis of basic types of relief and sediments.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/ report

Subject contents

1. Planning of fieldwork
2. Methodology of performing and description of geological outcrops and geological drilling
3. Description of structural and textural features of sediments in the field
4. Recognizing basic rock types in the field
5. Geomorphological mapping

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
test	51.0%	40.0%
reports from fieldworks	51.0%	60.0%

Recommended reading

Basic literature	Allen P.A., 2000, Procesy kształtujące powierzchnię Ziemi, PWN, Warszawa. Jaroszewski W., 1986, Przewodnik do ćwiczeń z geologii dynamicznej, Wyd. Geologiczne, Warszawa. Lindner L. (red.), 1992, Czwartorzęd. Osady. Metody badań. Stratygrafia, Wyd. PAE, Warszawa. Migoń P., 2006, Geomorfologia, PWN, Warszawa. Mycielska-Dowgiałło E., Rutkowski J. (red.), 1995, Badania osadów czwartorzędowych. Wybrane metody, interpretacja wyników, WGiSR UW, Warszawa. Tobolski K., 2000, Przewodnik do oznaczania torfów i osadów jeziornych, Wyd. Nauk. PWN, Warszawa
Supplementary literature	It depends on the region in which the field courses are carried out - studies describing the relief and palaeogeography of the region.
eResources addresses	

Example issues/ example questions/ tasks being completed

How to distinguish till from clay macroscopically?

Name the 2 types of connecting of the manual drilling equipment used during the field courses.

Develop a geological cross-section of a peatland based on your own geological drilling results.

Work placement

Not applicable

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