University of Gdańsk

Subject card

Subject name and code	Field classes - Geological mapping I, PG_00199147		
Field of study	Geology		
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 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	2	Language of instruction	Polish
Semester of study	4	ECTS credits	5.0
Learning profile	academic	Assessment form	credit
Conducting unit	Department of Geophysics -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Robert Sokołowski	
	Teachers		

Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	45.0	0.0	0.0	0.0	45
	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	45	5.0	75.0	125

Subject objectives	Practical learning of geological mapping and mapping documentation, including exposure profiling, planning and conducting field work and producing surface geological maps, synthetic profiles and geological cross-sections with simple explanations.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GEOLL3_W08] knows the basic principles of occupational health and safety, legal regulations conditioning geological and engineering activities	is familiar with the basic principles of occupational health and safety, legal regulations conditioning the work during geological mapping	[SW1] oral statement/ conversation/discussion
[GEOLL3_W03] knows and identifies paleontological, mineralogical, petrographic and structural objects using appropriate methods	knows and identifies different types of geological units using appropriate methods of geological mapping	[SW5] implementation of a problem task
[GEOLL3_K05] is willing to comply with the principles of occupational safety and health, takes care of specialized equipment entrusted to them, is aware of the risk connected with the performed work	is willing to comply with health and safety rules, to take care of the specialised equipment entrusted to him for geological mapping, is aware of the risks of the work he is doing	[SK1] oral statement/conversation/ discussion [SK5] implementation of a problem task [SK8] observation of student's independent or team work
[GEOLL3_U05] can reconstruct the history of geological development of selected regions in Poland and in the world on the basis of maps, cross-sections and exposures in the field	can reconstruct the history of geological development of selected regions in Poland and in the world on the basis of maps, cross-sections and field exposures	[SU3] text preparation/written work
[GEOLL3_W06] knows statistical and IT tools as well as the principles of preparing engineering and geological documentation and cartographic materials	is familiar with statistical and computer tools as well as with the principles of preparation of geological documentation and mapping materials	[SW3] text preparation/written work [SW5] implementation of a problem task
[GEOLL3_K01] is willing to plan and implement, individually or as a team, the next stages of the entrusted task, take responsibility for its results, effectively cooperate in the team by performing various roles in it	is willing to plan and carry out, individually or in a team, the successive stages of a geological mapping exercise, to take responsibility for the results, to interact effectively in a team with a variety of roles	[SK8] observation of student's independent or team work
[GEOLL3_K02] is willing to take full responsibility in the field of actions taken and to comply with the principles of professional ethics and intellectual honesty, is aware of the importance of a professional approach in every situation	is willing to take full responsibility for his/her actions and to comply with the principles of professional ethics and intellectual honesty, and is aware of the importance of a professional approach during field cartographic work	[SK5] implementation of a problem task [SK6] demonstration of practical skills
[GEOLL3_W05] knows the structure and geological development of selected regions in Poland and in the world	knows the structure and geological development of selected regions in Poland and in the world on the basis of geological mapping	[SW5] implementation of a problem task
[GEOLL3_U01] is able to apply basic measurement and analytical techniques in the field and in the laboratory, plans to conduct research and measurements	is able to apply basic measuring and analytical techniques during field mapping research, plan research and measurements	[SU8] observation of student's independent or team work
[GEOLL3_U10] is able to work individually and cooperate in laboratory and field groups performing various functions in them and performing various tasks	is able to work individually and collaboratively in groups during field mapping research in a variety of roles and tasks	[SU8] observation of student's independent or team work

Subject contents

Fundamentals of geological mapping

Field mapping

Reconstruction of the palaeogeographical development of the research area

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Credit on the basis of partial marks received for completed cartographic works	66.0%	100.0%

Recommended reading	Basic literature	Gradziński R., Kostecka A., Radomski A., Unrug R., 1986. Zarys sedymentologii, Wyd. Geologiczne, Warszawa. Mycielska-Dowgiałło E., Rutkowski J. (red.), 1995. Badania osadów czwartorzędowych. Wybrane metody, interpretacja wyników,. WGiSR UW, Warszawa. Koziar J., 1980. Kompas geologiczny. Technika i analiza pomiarów, Uniwersytet Wrocławski, Wrocław. Labus M., Labus K., 2008. Podstawy geologii strukturalnej i kartografii geologicznej, Wyd. Politechniki Śląskiej
	Supplementary literature	Stow D.A.V. 2005, Sedimentary Rocks in the Field. Manson Publishing, pp. 320.
	eResources addresses	
Example issues/ example questions/ tasks being completed	Creation of documentation points and drawing up a geological map on their basis Preparation of geological cross-section Description of geological structure of the mapped area	
Work placement	Not applicable	

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