

Subject card

Subject name and code	Introduction to cartography - lecture, PG_00091106						
Field of study	Geology						
Date of commencement of studies	October 2025		Academic year of realisation of subject			2025/2026	
Education level	Bachelor'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	1		Language of instruction			Polish	
Semester of study	2		ECTS credits			1.0	
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		dr Robert Sokołowski				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	10.0	0.0	0.0	0.0	0.0	10
	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	10		5.0		15.0	30
Subject objectives	Develop the ability to read maps, geological cross-sections and other cartographic studies and relate them to the evolution and geological structure of selected regions.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[GEOLL3_W06] knows statistical and IT tools as well as the principles of preparing engineering and geological documentation and cartographic materials		the student is familiar with statistical and IT tools as well as with the principles of cartographic material production			[SW4] test/exam - oral or written	
	[GEOLL3_W02] knows and understands the terminology appropriate in science and natural sciences		the student knows and understands the terminology appropriate to geological cartography			[SW4] test/exam - oral or written	
	[GEOLL3_K03] is willing to exercise caution and criticism in receiving information from scientific literature, the Internet and other media related to natural sciences		the student is prepared to be cautious and critical of information from a variety of sources on geological cartography			[SK4] test/exam - oral or written	
	[GEOLL3_U03] is able to use source information in Polish and English, including archival and electronic databases, in the field of geological issues		the student is able to use source information, in Polish and English, including archival and electronic databases, on issues related to geological cartography			[SU4] test/exam - oral or written	
	[GEOLL3_U06] is able to identify geological objects and combine them with geological processes and anthropogenic environmental transformations		the student is able to identify surficial and deep geological units and link them to geological processes and anthropogenic transformations of the environment			[SU4] test/exam - oral or written	

Subject contents	Principles of documentation of exposures. Separation of units and lithological boundaries. Creation of geological profiles and cross-sections. Interpretation of aerial and satellite patterns. Use of GPS in geological mapping. Creation and use of databases. Principles of geological mapping. Instruction in geological mapping. Geological depth mapping.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written colloquium	51.0%	100.0%
Recommended reading	Basic literature	Compton R. R., 1985. Geology in the field, John Wiley & Sons, New York 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, Gliwice Słowiński W., Kosiński Z., Hakenberg M., Królikowski C., Szczypa S., 1989. Kartografia geologiczna, Wyd. Geologiczne, Warszawa Instrukcja opracowania i wydania Szczegółowej mapy geologicznej Polski w skali 1: 50 000. 1996. PIG, Warszawa	
	Supplementary literature	Ciołkosz A., Miszański J., Olędzki J. R., 1978. Interpretacja zdjęć lotniczych, Wyd. Naukowe PWN, Warszawa Floyd F., Sabins, J.R., 1987. Remote Sensing, Principles and Interpretation, W. H. Freeman and Company, New York Kosiński Z., 1987. Geologiczna kartografia wgłębna, Wyd. Geologiczne, Warszawa Nieć M., 1990. Geologia kopalniana, Wyd. Geologiczne, Warszawa	
	eResources addresses		
	Example issues/ example questions/ tasks being completed	Characteristics of geological mapping of lowland, upland, mountain fold areas	
Work placement	Not applicable		

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