University of Gdańsk

Subject card

Subject name and code	Introduction to cartography - lecture, PG_00191268		
Field of study	Geology		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
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	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		

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	1.0	14.0	25

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_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
[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

<table>
<tr><td>Subject contents</td><td colspan="3">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.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td colspan="3"></td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>written colloquium</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">Compton R. R., 1985. Geology in the field, John Wiley & Sons, New York
Koziar J., 1980. Kompas geologiczny. Technika i analiza pomiarów, Uniwersytet Wrocławski, WrocławLabus M., Labus K., 2008. Podstawy geologii strukturalnej i kartografii geologicznej, Wyd. Politechniki Śląskiej, GliwiceSłowański W., Kotański Z., Hakenberg M., Królikowski C., Szczypa S., 1989. Kartografia geologiczna, Wyd. Geologiczne, WarszawaInstrukcja opracowania i wydania Szczegółowej mapy geologicznej Polski w skali 1: 50 000. 1996. PIG, Warszawa</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">Ciołkosz A., Miszalski 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
Kotański Z., 1987. Geologiczna kartografia wgłębna, Wyd. Geologiczne, Warszawa
Nieć M., 1990. Geologia kopalniana, Wyd. Geologiczne, Warszawa</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">Characteristics of geological mapping of lowland, upland, mountain fold areas</td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
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