

Subject card

Subject name and code	Field classes - Geological mapping II, PG_00199146						
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 Polish		
Semester of study	4	ECTS credits			5.0		
Learning profile	academic	Assessment form			credit		
Conducting unit							
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 training in geological mapping and the preparation of cartographic documentation in mountainous and upland areas, including the preparation of outcrop profiles, the planning and execution of fieldwork in areas with complex geological structures, and the production of surface geological maps, synthetic profiles and geological cross-sections accompanied by simple explanations.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[GEOLL3_W03] knows and identifies paleontological, mineralogical, petrographic and structural objects using appropriate methods	knows and identifies various types of geological units in the pre-Quaternary strata using appropriate geological mapping methods	[SW5] implementation of a problem task
	[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 IT tools, as well as the principles of compiling geological documentation and preparing cartographic materials for areas with moderate to complex geological structures	[SW3] text preparation/written work [SW5] implementation of a problem task
	[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 health and safety at work and the legal regulations governing geological mapping work	[SW1] oral statement/conversation/discussion
	[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 surveying and analytical techniques during field mapping surveys in mountainous and highland areas, and plans the conduct of surveys 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 independently and collaborate in groups during field mapping surveys, taking on various roles and carrying out different tasks	[SU8] observation of student's independent or team work
	[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 able to plan and carry out, either individually or as part of a team, the subsequent stages of geological mapping in areas with complex geological structures, take responsibility for the results, and work effectively within a team, fulfilling various 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	He is prepared to take full responsibility for his actions and to adhere to the principles of professional ethics and intellectual integrity; he is aware of the importance of a professional approach during field mapping work	[SK5] implementation of a problem task [SK6] demonstration of practical skills
	[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	He is prepared to comply with health and safety regulations and to take care of the specialist geological mapping equipment entrusted to him; he is aware of the risks involved in carrying out this work in challenging field conditions.	[SK1] oral statement/conversation/discussion [SK8] observation of student's independent or team work
	[GEOLL3_W05] knows the structure and geological development of selected regions in Poland and in the world	has knowledge of the geological structure and development of mountainous areas in Poland and worldwide, based on geological mapping	[SW5] implementation of a problem task
[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	is able to reconstruct the geological history of upland and mountainous areas in Poland and around the world using maps, cross-sections and outcrops in the field	[SU3] text preparation/written work	
Subject contents	Fundamentals of geological mapping of mountainous and upland areas Field mapping work Reconstruction of the palaeogeographical development of the study area		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Pass with a grade based on the marks awarded for completed cartographic assignments	66.0%	100.0%

Recommended reading	Basic literature	Gradziński R., Kostecka A., Radomski A., Unrug R., 1986. Zarys sedimentologii, Wyd. Geologiczne, Warszawa. Mycielska-Dowgiało 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	Establishment of survey points and preparation of a geological map based on them Preparation of a geological cross-section Description of the geological structure of the mapped area	
Work placement	Not applicable	

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