

Subject card

Subject name and code	Geomorphology - lecture, PG_00054159						
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	1		ECTS credits		2.0		
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				
	Teachers		dr hab. Piotr Woźniak				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	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	30		10.0		25.0	65
Subject objectives	Learning the general laws governing the genesis and evolution of the Earth's surface relief, especially the area of Poland and Pomerania; recognizing basic geomorphological forms and processes, determining the conditions and factors responsible for the formation of specific types of relief, indicating the directions of relief evolution.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[GEOLL3_W05] knows the structure and geological development of selected regions in Poland and in the world		recognizes the basic landforms		[SW4] test/exam - oral or written		
	[GEOLL3_W04] knows and understands phenomena and processes occurring in the past and today in the interior of the Earth and on its surface, defines the methods of how to study them		indicates geomorphologic processes responsible for selected landforms' formation		[SW4] test/exam - oral or written		
	[GEOLL3_W01] knows and understands the basic natural phenomena and explains their course in relation to geological processes		knows the general laws governing the genesis and evolution of the Earth's surface relief		[SW4] test/exam - oral or written		
	[GEOLL3_W02] knows and understands the terminology appropriate in science and natural sciences		uses correct geomorphological terminology		[SW4] test/exam - oral or written		

Subject contents	The place of geomorphology among other Earth sciences; main trends of research in geomorphology; source of information in geomorphology Groups of research methods used in geomorphology Volcanic relief Mass movements Aeolian processes and landforms Karst, pseudokarst and suffusion processes and landforms Fluvial landforms Development of the slope and fluvial-denudation relief Geomorphologic processes in the sea coastal zone Lacustrine and paludic sediments and landforms Geological and climatic determinants of relief features and its development Determinants of glacier formation and dynamics Relief and sediments of glacier and ice-sheet environments Periglacial relief and processes Human influence on relief and geomorphologic processes; contemporary transformations of relief in Poland		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	test	51.0%	100.0%
Recommended reading	Basic literature	Allen P. A., 2000, Procesy kształtujące powierzchnię Ziemi, PWN, W-wa. Embleton C., Thornes J., 1985, Geomorfologia dynamiczna, PWN, Warszawa: 95-157, 368-394. Jania J., 1993, Glacjologia, PWN, W-wa: 26-52, 67-73, 77-83, 269-332. Klimaszewski M., 1978, Geomorfologia, PWN W-wa. Lindner L. red., 1992, Czwartorzęd, Wyd. PAE, W-wa. Mannion A. M., 2001, Zmiany środowiska Ziemi, PWN, W-wa. Migoń P., 2006, Geomorfologia, PWN, W-wa. Rachocki A., 2002, Podstawy geomorfologii, Wyd. Akad. Bydg., Bydgoszcz. Starkel L., 2008, Typy i kierunki współczesnych przekształceń rzeźby Polski. W: Starkel L., Kostrzewski A., Kotarba A., Krzemień K. red., Współczesne przemiany rzeźby Polski, IGI GP UJ, Kraków: 385-395. Stankowski W., 1996, Wstęp do geologii kenozoiku, UAM Poznań: 126-134. Tobolski K., 2000, Przewodnik do oznaczania torfów i osadów jeziornych, PWN, W-wa.	
	Supplementary literature	Mycielska-Dowgiałło E. i Rutkowski J. red., 2007, Badania cech teksturalnych osadów czwartorzędowych..., Wyd SWPR, W-wa. Rychling A. (red.), 2006, Geograficzne badania środowiska przyrodniczego, PWN, Warszawa. Rychling A. (red.), 1993, Metody szczegółowych badań geografii fizycznej, PWN, Warszawa. Stankowski W., 1996, Wstęp do geologii kenozoiku, UAM Poznań.	
	eResources addresses		

Example issues/ example questions/ tasks being completed	Explain what is (...), explain its genesis. Point out the differences between (...) and (...). One of the landforms does not match the others - point it out and justify your choice.
Work placement	Not applicable

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