

Subject card

Subject name and code	Geomorphology - exercises, PG_00158154						
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		3.0		
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 Karolina Trzcińska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	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		50.0	90
Subject objectives	Learn the main research methods used in geomorphology. To understand the general laws of genesis and evolution of relief forms of the Earth's surface.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[GEOLL3_W02] knows and understands the terminology appropriate in science and natural sciences		correctly uses geomorphological terminology		[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion		
	[GEOLL3_U06] is able to identify geological objects and combine them with geological processes and anthropogenic environmental transformations		knows the geomorphological processes and forms that shape the Earth's surface		[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written		
	[GEOLL3_U02] has the skill of analytical and synthetic way of reasoning leading to correct inference based on the results obtained or the facts presented		accurately draws conclusions about observed geomorphological phenomena and processes		[SU1] oral statement/conversation/ discussion [SU4] 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		correctly apply research methods in geomorphological research		[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion		

Subject contents	Research methods used in geomorphology.Sources of geomorphological data.Geomorphological processes and forms (working with map and archival data - mass movements, glacial form processes, eolian processes and forms, fluvial processes and forms, human impact on relief and geomorphological processes).Creating thematic maps related to geomorphology.Geomorphological analysis - preparation of a report.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	coursework	50.0%	0.0%
	colloquium	50.0%	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, Glaciologia, 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.Mycielska-Dowgiałło E. i Rutkowski J. red., 2007, Badania cech teksturalnych osadów czwartorzędowych..., Wyd SWPR, W-wa.Rachocki A., 2002, Podstawy geomorfologii, Wyd. Akad. Bydg., Bydgoszcz.Rychling A. (red.), 1993, Metody szczegółowych badań geografii fizycznej, PWN, W-wa.Starkel L., 2008, Typy i kierunki współczesnych przekształceń rzeźby Polski . W: Starkel L., Kostrzewski A., Kotarba A., Krzemień K. red., Współczesne przemiany rzeźby Polski, IGiGP UJ, Kraków: 385-395.Stankowski W., 1996, Wstęp do geologii kenozoiku, UAM Poznań: 126134.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	The main glacial landform features of northern Poland.		
	Human impact on the marine coastal zone.		
	Landslide processes and the human economy.		
Work placement	Not applicable		

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