

Subject card

Subject name and code	Geomorphology - laboratory classes, PG_00193056						
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	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	2.0	43.0	75		
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_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		
	[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_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_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		

Subject contents	<p>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.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	coursework	51.0%	0.0%
	colloquium	51.0%	100.0%
Recommended reading	Basic literature	<p>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.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, IGI GP 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.</p>	
	Supplementary literature	<p>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.</p>	
	eResources addresses		
Example issues/ example questions/ tasks being completed	<p>The main glacial landform features of northern Poland.</p> <p>Human impact on the marine coastal zone.</p> <p>Landslide processes and the human economy.</p>		
Work placement	Not applicable		

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