University of Gdańsk

Subject card

Subject name and code	Geomorphology - lecture, PG_00191245		
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	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		

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	1.0	19.0	50

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_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
[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

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 sufusion 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, 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	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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