University of Gdańsk

Subject card

Subject name and code	Geomorphology - lecture, PG_00119887		
Field of study	Geography		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
Education level	undergraduate 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	2	Language of instruction	Polish Polish
Semester of study	3	ECTS credits	2.0
Learning profile	academic	Assessment form	
Conducting unit	Pracownia Rekonstrukcji Geomorfologicznych -> Katedra Geomorfologii i Geologii Czwartorzędu -> Faculty of Oceanography and Geography		
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	10.0	15.0	55

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
[GEOGRL3-U03] use theoretical knowledge of geographic sciences and available sources of information to correctly interpret basic natural, social, economic and political processes	Indicates geomorphologic processes responsible for selected landforms' formation.	[SU4] test/exam - oral or written
[GEOGRL3-U02] formulate and analyze basic problems concerning changes in physical and geographic conditions and the social, economic and political situation in local, regional and global scales	Can analyse the genesis of landforms of various scales.	[SU4] test/exam - oral or written
[GEOGRL3-W03] in an advanced degree the processes and phenomena occurring in the natural environment of the Earth, with particular emphasis on the processes and phenomena occurring on the territory of Poland, especially the Coastal and South Baltic Lake Districts	Indicates geomorphologic processes responsible for selected landforms' formation.	[SW4] test/exam - oral or written
[GEOGRL3-U08] use scientific language and express themselves and discuss topics concerning geographic issues in Polish and in a foreign language	Uses correct geomorphological terminology.	[SU4] test/exam - oral or written
[GEOGRL3-K02] bear full responsibility for the actions taken actions and adhere to the principles of professional ethics and principles of intellectual honesty, is aware of the importance of a professional approach in professional life professional life	Can complete the exam test on their own.	[SK4] test/exam - oral or written
[GEOGRL3-W08] at an advanced level methods and principles development of data on the natural and anthropogenic environment, and methods of their analysis and interpretation	Can indicate the use of the achievements of natural sciences and humanities in geomorphological research.	[SW4] test/exam - oral or written
[GEOGRL3-U01] identify and analyze basic natural and socio-economic processes and phenomena and analyze their causes and course	Indicates geomorphologic processes responsible for selected landforms' formation.	[SU4] test/exam - oral or written
[GEOGRL3-W05] Has advanced knowledge of the environment Earth's geographic environment, understood as a unified system of interrelated and interacting each other's components; its diversity, functioning and dynamics of change, including the mutual interaction of environmental components in the area of South Baltic Coastal and Lake Districts	Knows the general laws governing the genesis and evolution of the Earth's surface relief.	[SW4] test/exam - oral or written
[GEOGRL3-W02] key concepts in geography and theories on spatial variation and distribution of processes and phenomena on the Earth's surface	Knows the laws governing the genesis and evolution of the Earth's surface in different climatic conditions.	[SW4] test/exam - oral or written

Subject contents	1. The place of geomorphology among other Earth sciences; main trends of research in geomorphology; source of information in geomorphology. 2. Groups of research methods used in geomorphology. 3. Weathering. 4. Volcanic relief. 5. Mass movements. 6. Aeolian processes and landforms. 7. Karst, pseudokarst and sufusion processes and landforms. 8. Fluvial landforms. 9. Development of the slope and fluvial-denudation relief. 10. Geomorphologic processes in the sea coastal zone. 11. Lacustrine and paludic sediments and landforms. 12. Geological and climatic determinants of relief features and its development. 13. Determinants of glacier formation and dynamics. 14. Relief and sediments of glacier and ice-sheet environments. 15. Periglacial relief and processes. 16. Human influence on relief and geomorphologic processes. 17. Contemporary transformations of relief in Poland.
Prerequisites and co-requisites	

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
	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	Adresy na platformie eNauczanie:
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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