

**Subject card**

<b>Subject name and code</b>	Geomorphology - lecture, PG_00193819						
<b>Field of study</b>	Geography						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>			2027/2028		
<b>Education level</b>	Bachelor's studies	<b>Subject group</b>			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	2	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	3	<b>ECTS credits</b>			2.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			exam		
<b>Conducting unit</b>	Laboratory of Geomorphological Reconstructions -> Department of Geomorphology and Quaternary Geology -> Faculty of Oceanography and Geography -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr hab. Piotr Woźniak				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	30.0	0.0	0.0	0.0	0.0	30
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	30		2.0		18.0	50
<b>Subject objectives</b>	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-W02] knows and understands key concepts and theories in geography, as well as advanced processes and phenomena related to spatial diversity and the distribution of processes and phenomena on the Earth's surface at various spatial scales, particularly in Poland	Knows the laws governing the genesis and evolution of the Earth's surface relief in different climatic conditions.	[SW4] test/exam - oral or written
	[GEOGRL3-U01] can identify and analyze basic natural and socio-economic processes and phenomena, analyze their causes and course, and formulate and discuss basic issues concerning physical-geographical conditions and the social, economic, and political situation and their changes on various spatial scales	Is able to analyze the genesis of landforms of various scales.	[SU4] test/exam - oral or written
	[GEOGRL3-W04] has advanced knowledge of the Earth's geographical environment, understood as a unified system of interconnected and interacting components; its diversity, functioning, and dynamics of change, including the interaction of environmental components in the area of the South Baltic Coast and Lake District	Indicates the geomorphological processes responsible for the genesis of specific landforms.	[SW4] test/exam - oral or written
Subject contents	<ol style="list-style-type: none"> <li>1. The place of geomorphology among other Earth sciences; main trends of research in geomorphology; source of information in geomorphology.</li> <li>2. Groups of research methods used in geomorphology.</li> <li>3. Weathering.</li> <li>4. Volcanic relief.</li> <li>5. Mass movements.</li> <li>6. Aeolian processes and landforms.</li> <li>7. Karst, pseudokarst and suffusion processes and landforms.</li> <li>8. Fluvial landforms.</li> <li>9. Development of the slope and fluvial-denudation relief.</li> <li>10. Geomorphologic processes in the sea coastal zone.</li> <li>11. Lacustrine and paludic sediments and landforms.</li> <li>12. Geological and climatic determinants of relief features and its development.</li> <li>13. Determinants of glacier formation and dynamics.</li> <li>14. Relief and sediments of glacier and ice-sheet environments.</li> <li>15. Periglacial relief and processes.</li> <li>16. Human influence on relief and geomorphologic processes.</li> <li>17. Contemporary transformations of relief in Poland.</li> </ol>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written exam (various types of questions)	51.0%	100.0%

Recommended reading	Basic literature	<p>Allen P. A., 2000, Procesy kształtujące powierzchnię Ziemi, PWN, W-wa.</p> <p>Embleton C., Thornes J., 1985, Geomorfologia dynamiczna, PWN, Warszawa: 95-157, 368-394.</p> <p>Jania J., 1993, Glacjologia, PWN, W-wa: 26-52, 67-73, 77-83, 269-332.</p> <p>Klimaszewski M., 1978, Geomorfologia, PWN W-wa.</p> <p>Lindner L. red., 1992, Czwartorzęd, Wyd. PAE, W-wa.</p> <p>Mannion A. M., 2001, Zmiany środowiska Ziemi, PWN, W-wa.</p> <p>Migoń P., 2006, Geomorfologia, PWN, W-wa.</p> <p>Rachocki A., 2002, Podstawy geomorfologii, Wyd. Akad. Bydg., Bydgoszcz.</p> <p>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.</p> <p>Stankowski W., 1996, Wstęp do geologii kenozoiku, UAM Poznań: 126134.</p> <p>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.</p> <p>Rychling A. (red.), 2006, Geograficzne badania środowiska przyrodniczego, PWN, Warszawa.</p> <p>Rychling A. (red.), 1993, Metody szczegółowych badań geografii fizycznej, PWN, Warszawa.</p> <p>Stankowski W., 1996, Wstęp do geologii kenozoiku, UAM Poznań.</p>
	eResources addresses	
Example issues/ example questions/ tasks being completed	<p>Explain what is (...), explain its genesis.</p> <p>Point out the differences between (...) and (...).</p> <p>One of the landforms does not match the others - point it out and justify your choice.</p>	
Work placement	Not applicable	

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