

Subject card

Subject name and code	Conditions of geomorphological diversity in northern Poland, PG_00119877						
Field of study	Geography						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2026/2027		
Education level	undergraduate studies	Subject group			Obligatory subject group in the field of study Optional subject group 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	3	Language of instruction			Polish		
Semester of study	5	ECTS credits			2.0		
Learning profile	academic	Assessment form					
Conducting unit	Katedra Geofizyki -> Faculty of Oceanography and Geography						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Radosław Wróblewski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	20.0	0.0	0.0	0.0	0.0	20
	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	20		10.0		26.0	56
Subject objectives	To know the main elements of the geological structure of northern Poland; To know the main factors influencing the relief of Poland today and in the past; To understand the geomorphological processes taking place today; To be able to recognise, describe, correctly, independently analyse and indicate possible changes in the elements of the geomorphological environment occurring through natural processes and as a result of human activity.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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	Is fluent in geographical issues, including those involving geomorphological processes	[SW1] oral statement/ conversation/discussion
	[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	To know the main factors influencing the relief of Poland today and in the past	[SW1] oral statement/ conversation/discussion
	[GEOGRL3-W01] to an advanced degree, the specificity of geography as a discipline that integrates knowledge from various fields, its genesis and development, as well as the specifics of geographic sciences, their internal structure, object of research and place in the system of sciences	Is fluent in geography, including geomorphological processes	[SW1] oral statement/ conversation/discussion
	[GEOGRL3-U05] find and select the necessary information from professional literature and other sources, including electronic sources	Can make use of scientific resources.	[SU1] oral statement/conversation/ discussion
	[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	Knows geomorphological processes	[SU1] oral statement/conversation/ discussion
	[GEOGRL3-U03] use theoretical knowledge of geographic sciences and available sources of information to correctly interpret basic natural, social, economic and political processes	Knows geomorphological processes	[SU1] oral statement/conversation/ discussion
	[GEOGRL3-W02] key concepts in geography and theories on spatial variation and distribution of processes and phenomena on the Earth's surface	Knows geomorphological processes	[SW1] oral statement/ conversation/discussion
	[GEOGRL3-W06] interactions between the natural and anthropogenic environment at different spatial and temporal scales, in particular the processes and phenomena occurring in the area of the South Baltic Coastal and Lake District and the determinants of these interactions	To understand the geomorphological processes taking place today	[SW1] oral statement/ conversation/discussion
	[GEOGRL3-K01] to critically assess the level of one's knowledge, use it in professional activities and, in case of difficulties, to be assisted by the knowledge of experts	He is aware of the need to continuously expand and update his knowledge.	[SK1] oral statement/conversation/ discussion

Subject contents	Geology of the Baltic Sea Basin Pre-Pleistocene relief of Northern Poland Geological structure of Northern Poland Influence of Pleistocene glaciations on relief Development of lake districts of Northern Poland in the Holocene Development of main rivers of northern Poland Development of the coasts of the Southern Baltic Human impact on the relief of Northern Poland		
Prerequisites and co-requisites	-		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Written credit with open-ended questions	51.0%	100.0%
Recommended reading	<p>Basic literature</p> <p>Augustowski B., 1977, Pomorze, PWN, Warszawa. Klimaszewski M., 1978, Geomorfologia, PWN Warszawa. Leontiew O. K., Nikiforow L. G., Safianow G. A., 1982, Geomorfologia brzegów morskich, Wydawnictwo Geologiczne, Warszawa. Lindner L. red., 1992, Czwartorzęd, Wyd. PAE, Warszawa. Mizerski W., 2009, Geologia Polski, PWN, Warszawa. Mojski J. E., 2005, Ziemia Polski w czwartorzędzie, PIG, Warszawa. Stupnicka E., 2007, Geologia regionalna Polski, Wyd. Uniw. Warszawskiego, Warszawa.</p>		
	<p>Supplementary literature</p> <p>Allen P. A., 2000, Procesy kształtują powierzchnię Ziemi, Wyd. PWN, Warszawa. Gradziński R., Kostecka A., Radomski A., Unrug R., 1986, Zarys sedymentologii, Wyd. Geologiczne, Warszawa. Bird E., 2003, Coastal Geomorphology, J. Wiley & Sons Ltd. Einsele G., 2000, Sedimentary Basins, Evolution, Facies and Sediment Budget, Springer-Verlag, Berlin. Pruszek Z., 1998, Dynamika brzegu i dna morskiego, IBW PAN, Gdańsk. Rosa B., 1963, O rozwoju morfologicznym wybrzeża Polski w świetle dawnych form brzegowych, Studia Societatis Scientiarum Torunensis, V. Uścińowicz S., 2003, Relative sea level changes, glacio-isostatic rebound and shoreline displacement in the southern Baltic, Polish Geological Institute Special Papers, 10, Warszawa. Uścińowicz S., 2003, Relative sea level changes, glacio-isostatic rebound and shoreline displacement in the southern Baltic, Polish Geological</p>		
	eResources addresses	Adresy na platformie eNauczenie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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