

Subject card

Subject name and code	Geological and geophysical research in the polar region, PG_00193012						
Field of study	Geology						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2028/2029		
Education level	Bachelor's studies	Subject group			Obligatory subject group in the field of study Optional subject group		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	6	ECTS credits			1.0		
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		prof. dr hab. Jarosław Tęgowski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	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	15		1.0		9.0	25
Subject objectives	To introducing students to the basics of geological and geophysical survey methods in the polar zone.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[GEOLL3_W02] knows and understands the terminology appropriate in science and natural sciences		knows and understands terminology specific to the sciences and natural sciences including polar areas			[SW4] test/exam - oral or written	
	[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		knows and understands the phenomena and processes occurring in the past and today in the polar areas, defines the methods of their study			[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 and understands the basic natural phenomena and explains their course in relation to the geological processes occurring in the polar areas			[SW4] test/exam - oral or written	

Subject contents	<p>History of Polish Arctic research</p> <p>Climate of the Arctic</p> <p>Sea ice, glaciers and ice sheets of the Arctic</p> <p>Magnetic storms - Auroras</p> <p>Geophysical research in the Arctic</p> <p>Geological structure of the Arctic</p> <p>Morphodynamic characteristics of the polar coastal zone</p> <p>Glacial influence on the morphology of fjord bottoms</p> <p>Glacio-marine sedimentation in the Arctic seas</p>								
Prerequisites and co-requisites									
Assessment methods and criteria	<table border="1"> <thead> <tr> <th>Subject passing criteria</th> <th>Passing threshold</th> <th>Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td>colloquium</td> <td>51.0%</td> <td>100.0%</td> </tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	colloquium	51.0%	100.0%		
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Example issues/ example questions/ tasks being completed	<p>Climate of the Arctic</p> <p>Sea ice, glaciers and ice sheets of the Arctic</p>								
Work placement	Not applicable								

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