University of Gdańsk

Subject card

Subject name and code	Earth's Natural System - classes, PG_00193777						
Field of study	Geography						
Date of commencement of studies	October 2027		Academic year of realisation of subject		2027/2028		
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							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Wojciech Maślanka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	20.0	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		1.0		29.0	50
Subject objectives	Consolidating and expanding knowledge of the place and role of physical geography in the system of sciences, the basic processes and phenomena occurring on Earth and the mutual interaction of the components of physical geography; acquiring the ability to describe the mutually interacting processes occurring in the interior and on the surface of the Earth and explaining their causes; acquiring the ability to recognize the basic forms of the Earth's surface and their genesis.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[GEOGRL3-U06] can develop a selected geographical issue in the form of a scientific text in Polish, following a specific methodological convention and with correct documentation	K_U06 - the student is able to develop a selected problem in the field of physical geography in the form of a short scientific text in Polish in a specific methodological convention, with correct documentation; program content B1-B9	[SU3] text preparation/written work
	[GEOGRL3-U03] can plan and conduct, independently and as part of a team, simple research in the field of geography under the supervision of a scientific advisor, based on the necessary information from professional literature and other sources	K_U03 - the student is able to plan and carry out, independently or in a group, a simple research project; treści programowe B1-B9	[SU5] implementation of a problem task
	[GEOGRL3-U02] can use theoretical knowledge in the field of geography and available sources of information to correctly interpret basic natural, social, economic, and political processes and phenomena	K_U02 - the student is able to use theoretical knowledge in the field of physical and geographical sciences and available sources of information to correctly interpret basic natural processes and phenomena; program content B1-B9	[SU4] test/exam - oral or written
	[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	K_W02 - key concepts in physical geography and theories regarding the spatial differentiation and distribution of physicogeographic processes and phenomena on the Earth's surface, in particular Poland; program content B1-B9	[SW4] test/exam - oral or written
	[GEOGRL3-W05] knows the interactions between the natural and anthropogenic environments on various spatial and temporal scales, with particular emphasis on the processes and phenomena occurring in the area of the South Baltic Coast and Lake District and the conditions of these interactions	K_W05 - has advanced knowledge of the Earth's geographical environment, understood as a unified system of interconnected and interacting components; its diversity and functioning; program content B2-B9	[SW4] test/exam - oral or written

Subject contents

B. Exercise Topics

B1. Maps, their components, and interpretation.

B2. Earth's rotation and circulation and its consequences.

B3. Features of the distribution of land and sea on Earth. Hypsographic curves.

B4. Earth's geological structure. Orogeny.

B5. Forms of relief on Earth's surface and ocean floor and the processes that shape them.

B6. Features of the spatial distribution of temperature, precipitation, and winds on Earth. Types of climates.

B7. Hydrological characteristics of continents. Ocean currents.

B8. Plant formations and zoogeographic regions on Earth, relics and endemics.

B9. Geographical diversity of soils around the world. Zonal and azonal soils.

Prerequisites and co-requisites

<table>
<tr><td>Assessment methods and criteria</td><td colspan="2"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>test</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>1. Geographical Atlas of the World, PPWK or Demart (any edition)

2. Borówka R. K., 2001, History of the Earth and the Development of Life, Nasza Ziemia, vol. 3, Kurpisz Publishing House, Poznań.

3. Kostrzewski A., 2001, The Great Encyclopedia of World Geography, vol. 1 and 2, Kurpisz Publishing House, Poznań.

4. Makowski J., 2018, Physical Geography of the World, PWN Scientific Publishing House, Warsaw.

5. Świtalski E., 1992, Basics of General Physical Geography with Elements of Geology, Polish Educational Association, Toruń.</td></tr>
<tr><td>Supplementary literature</td><td>1. Marcinek J., 1991, Glaciers of the Globe, PWN, Warsaw.

2. Martyn D., 1991, Climates of the Globe, PWN, Warsaw.

3. Van Andel T.H., 1998, A New Look at the Old Planet. The Changing Face of the Earth, PWN, Warsaw.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2">The influence of the Earth's rotation and spin on the diversity of the Earth's geographic environment.

The regularities of the origin, movement, and direction of ocean currents.

The influence of ocean currents on adjacent land areas.</td></tr>
<tr><td>Work placement</td><td colspan="2">Not applicable</td></tr>
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