University of Gdańsk

Subject card

Subject name and code	Environmental formation and protection - laboratory, PG_00119841		
Field of study	Geography		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2026/2027
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	2	Language of instruction	Polish polish
Semester of study	4	ECTS credits	1.0
Learning profile	academic	Assessment form	credit
Conducting unit	Division of Landscape and Environmental Studies -> Institute of Socio-Economic Geography and Spatial Management -> Faculty of Social Sciences -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Sylwia Horska-Schwarz	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	20.0	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	3.0	7.0	30

Subject objectives

1 - knowledge of the legal, organizational, natural and functional conditions of environmental protection;2 - detailed knowledge of the legal forms of nature and environmental protection and the ability to apply them in resource protection;3 - cognition of environmental protection bodies and their powers;4 - cognition of the principles of formation and use of space under conditions of sustainable development;5 - cognition of basic natural processes as the basis of economy and environmental protection;6 - getting to know the determinants of environmental functioning;7 - learning about basic terrestrial ecosystems and their importance for environmental functioning and human management;8 - learning about threats to the environment and tools to counteract them, as well as the principles of reclamation and revaluation of environmental resources;9 - mastering environmental terminology and its application to spatial policy and environmental protection;10 - mastering the ability to assess and predict natural processes, threats and impacts on the environment of human life

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	K_U03 - based on available sources of information, legal acts, documents and literature, interprets the basic processes and phenomena occurring in the environment; program content: B.4	[SU3] text preparation/written work [SU8] observation of student's independent or team work
	[GEOGRL3-K04] social action, including cooperation to preserve the ecological balance and protect the Earth's resources and its sustainable development, using forms of own entrepreneurship for this purpose	K_K04 - works together to protect the environment, preserve biodiversity biodiversity and sustainable development; curriculum content: B.2, B.3	[SK3] text preparation/written work [SK8] observation of student's independent or team work
	[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	K_U02 - indicates and analyzes the basic problems associated with pressure anthropogenic pressures in the environment at different spatial scales; program content: B.1	[SU3] text preparation/written work
	[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	K_W08 - has advanced knowledge of existing sources of data environmental, biodiversity data, and indicators of sustainable development, along with methods of their analysis and interpretation; content curriculum: B.5	[SW3] text preparation/written work
	[GEOGRL3-U06] apply methods and research tools of geographic sciences, including conducting observations and field measurements, and assess their suitability for the tasks in which the application objective of geography can be achieved	K_U06 - applies appropriate research tools and methods to analyze the state of the of the environment and changes in it; program content: B.5	[SU3] text preparation/written work [SU8] observation of student's independent or team work
	[GEOGRL3-U05] find and select the necessary information from professional literature and other sources, including electronic sources	K_U05 - analyzes and interprets environmental data; curriculum content: B.4	[SU3] text preparation/written work [SU8] observation of student's independent or team work
	[GEOGRL3-U01] identify and analyze basic natural and socio-economic processes and phenomena and analyze their causes and course	K_U01 - identifies and analyzes the phenomena and processes occurring in the environment natural environment, indicating their causes, course and effects, as well as possibilities of counteraction counteraction; program content: B. 1, B.3, B.4, B.5	[SU3] text preparation/written work
	[GEOGRL3-U08] use scientific language and express themselves and discuss topics concerning geographic issues in Polish and in a foreign language	K_U08 - uses terminology related to environmental degradation and protection, including functioning in international circulation; program content: B.4, B.5	[SU3] text preparation/written work
	[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	K_W05 - posiada zaawansowaną wiedzę o środowisku jako systemie i poszczególnych komponentach wraz z ich wzajemnymi powiązaniami; treści programowe: B.1, B.2, B.4	[SW3] text preparation/written work

	Course outcome	Subject outcome	Method of verification
	[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	K_W06 - has knowledge about threats and forms of degradation of environmental resources in Poland and Europe (at different spatial and temporal scales) and their consequences; content program content: B.1	[SW3] text preparation/written work
Subject contents	B. Laboratory content:B.1. Types and forms of degradation of the geographical environmentB.2 Forms of environmental protection and nature conservationB.3. Reclamation of the natural environmentB.4 Shaping of the environment - the aspect of the component and the wholeB.5 Selected issues of environmental resource management		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	observation of student's performance	51.0%	30.0%
	staged work	51.0%	70.0%
Recommended reading	Basic literature	Szponar, A. (2003). Urban Physiography. Warsaw: PWN Scientific Publishing House. Korzeniowski, P. (2012). Legal Principles of Environmental Protection. Łódź: University of Łódź Press. Wehle-Strzelecka, S. (2008). Environmental Protection in Shaping Contemporary Urban Space. Kraków: Cracow University of Technology. Zimny, H. (2005). Urban Ecology. Warsaw: Arkadiusz Grzegorczyk Advertising and Publishing House. Richling, A., Solon, J. (2011). Landscape Ecology. Warsaw: PWN Scientific Publishing House. Kondracki, J. (2002). Regional Geography of Poland. Warsaw: PWN Scientific Publishing House. HANDBOOK OF CLIMATE CHANGE ADAPTATION FOR CITIES, 2023	
	Supplementary literature	Urban Climate Change Adaptation Plans - Methodology Environmental Protection Law - Act EUROPEAN LANDSCAPE CONVENTION of 20 October 2000 ACT of 27 March 2003 on Spatial Planning and Development	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Identification of climate change impacts for a selected city, including a risk assessment. Identification of mitigation and adaptation measures for the municipality based on spatial data.		
Work placement	Not applicable		

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