University of Gdańsk

Subject card

Subject name and code	Environmental Formation and Protection - lecture, PG_00193839		
Field of study	Geography		
Date of commencement of studies	October 2026	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	2	Language of instruction	Polish
Semester of study	4	ECTS credits	2.0
Learning profile	academic	Assessment form	exam
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 Barbara Korwel Lejkowska	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	0.0	0.0	0.0	30

E-learning hours included: 0.0

Additional information:

an optional excursion to supplement the knowledge covered in class – to be organised in consultation with the lecturers

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	30	1.0	19.0	50

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 lifeTranslated with DeepL.com (free version)

Learning outcomes

Course outcome	Subject outcome	Method of verification
[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 knowledge referring to threats and forms of degradation of environmental resources in Poland and Europe (at different spatial and temporal scales) and their consequences; content program content: A.6, A.13	[SW4] 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	K_W04 - has advanced knowledge of the environment as a system and individual components with their interrelationships; content program content: A.1, A.2, A.9, A. 10	[SW4] test/exam - oral or written
[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 - based on available sources of information, legal acts, documents, and literature, interprets the basic processes and phenomena occurring in the environment; program content: A. 1, A.3-A.6, A.8-A.10, A.12, A.13	[SU4] test/exam - oral or written
[GEOGRL3-U01] can dentify 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	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: A.1, A.5, A.7, A. 10, A.11, A.12., A.13	[SU4] test/exam - oral or written

Subject contents

A. Problems of the lecture

A.1 - environment as a system - basic concepts, geocomponents, environment as an object of protection, A. 2 - history of environmental protection, A.3 - acts and legal forms of environmental protection and administrative bodies and their competences, A.4 - European policy on environmental protection, A.5 - opportunities and limitations in the use of environmental resources, A.6 - threats and forms of degradation of environmental resources, A.7 - methods and opportunities to counteract environmental threats and degradation, A.8 - spatial policy and environmental protection in spatial planning, A.9 - biodiversity, its protection and importance, A.10 - functions and importance of selected natural ecosystems, A. 11 - sustainable development - idea and practice; A.12 - protection of ecological connectivity - ecological corridors and animal passages, A.13 - protection, status and threats to the environment in the Pomeranian province.

Prerequisites and co-requisites

no

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
exam	51.0%	100.0%

Recommended reading	Basic literature	- Balon J., Maciejowski W., 2012, Geoecology for Landscape Architects, PK Publishing, Kraków. - Czochański J.T., Wiśniewski P., 2018: River valleys as ecological corridors structure, function and importance in the conservation of natural resources. Ecological Questions, 29(1), 7787. - Czochański J.T., Przewoźniak M., 2021, The Natural Foundations of Spatial Planning: An Eco-friendly Approach, Bogucki Scientific Publishing, Gdańsk – Poznań. - Dobrzańska D., Dobrzański G., Kiełczewski D., 2008, Protection of the Natural Environment, PWN, Warsaw. - Kozłowski S., 2002, Eco-development: The Challenge of the 21st Century, PWN, Warsaw. - Malinowska E., Lewandowski W., Harasimiuk A. (eds.), 2004, Geoecology and Landscape Conservation. A Lexicon, Warsaw. - Eco-physiographic study for the 2030 Spatial Development Plan for the Pomeranian Voivodeship, 2014, PBPR, Gdańsk - Pietrzak M., 2010, Fundamentals and Applications of Landscape Ecology. Theory and Methodology, Leszno. - Richling A., 1992, Comprehensive Physical Geography, PWN, Warsaw.- Barnier M., Atlas of Major Hazards, Scientific and Technical Publishing House, Warsaw; - Environmental Protection Act; - Nature Conservation Act; - Water Law Act; - Act on the Protection of Agricultural and Forest Land; - Geological and Mining Law Act - Forest Act - Wąsikiewicz-Rusnak U., 2003, Sustainable Development in Management Strategy, Published by the Kraków University of Economics, Kraków. - Wiśniewski P., 2015: The erosion-control function of soil-protecting forests. University of Gdańsk Press, Gdańsk - Żarska B., 2007, Landscape Protection, Warsaw University of Life Sciences Press, Warsaw;

	Supplementary literature	- Bartkowski, T., 1981, Environmental Planning and Protection, PWN, Warsaw-Poznań. - Boć, J., Nowacki, K., Samborska-Boć, E., 2004, Environmental Protection, Kolonia Limited. - Czochański J. T., Korwel-Lejkowska B., Staszek W., 2024, Threats to the landscape in the protected landscape areas of the Pomeranian Voivodeship, Prace Geograficzne, 76, s.7-24. - Górka K., Poskrobko B., Radecki W., 2001, Environmental Protection, Polskie Wydawnictwo Ekonomiczne, Warsaw. - Kistowski M., Wiśniewski P., 2017: Low-carbon development of rural areas in Poland and low-carbon economy plans. University of Gdańsk Press, Gdańsk. - Maciak F., 2003, Protection of the Natural Environment, PWN, Warsaw. - Sołowiej D., 1992, Fundamentals of the Methodology for Assessing the Human Natural Environment, Adam Mickiewicz University Press, Poznań, - Studies on the Natural Environment and Landscape of the Pomeranian Voivodeship, Pomeranian Regional Studies, 2006, Pomeranian Provincial Office, Gdańsk, - Wiśniewski P., Wojtasik M., 2006: Environmental Issues at the Municipal Waste Tip in Rozwarzyn near Nakło, Ecology and Technology, vol. XIV, no. 2, 70–76. - Wiśniewski P., Loranc-Wiśniewska L., Wojtasik M., 2008: Financing environmental protection: the case of Bank Ochrony Środowiska S.A., Bydgoszcz Branch, Ecology and Technology, vol. XVI, no. 5, 248–250. - Wiśniewski P., 2014: District environmental protection programmes in the context of managing soil erosion control, as illustrated by the Kuyavian-Pomeranian Voivodeship. Water-Environment-Rural Areas, vol. 14, no. 2(46), 141–153. - Wiśniewski P., Wojtasik M., 2014: The impact of soil erosion on landscape physiognomy. Ecology and Technology, 6 (133), 346–351. - Wiśniewski P., 2015: The issue of soil protection against erosion in local authority environmental protection programmes. Engineering and Environmental Protection, vol. 18, no. 3, 311–322.
	eResources addresses	Basic http://crfop.gdos.gov.pl - central register of nature conservation measures https://isap.sejm.gov.pl/ - online legal acts system https://www.eea.europa.eu/en/europe-environment-2025 - European Environmental Agency Reports Supplementary https://www.gov.pl/web/rozwoj-technologia/cele-zrownowazonego-rozwoju - sustainable development goals
Example issues/ example questions/ tasks being completed	Forms of nature conservation and the institutions authorised to establish them Forms of soil degradation The resource and utilisation potential of the environment / examples	
Work placement	Not applicable	

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