University of Gdańsk

Subject card

Subject name and code	Environmental Formation and Protection - laboratory, PG_00193840		
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	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	mgr Paweł Druet	
	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	2.0	28.0	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 life

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GEOGRL3-K03] is prepared to 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 - has knowledge of the harmfulness of unsustainable environmental practices, understands the need to limit them and to implement sustainable environmental actions; knows ways of conducting economic activities in a manner that reduces negative environmental impact and contributes to its protection; curriculum content: B.1, B.4, B.5	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report
[GEOGRL3-U04] can apply field and laboratory methods and research tools, spatial analysis methods, and methods of presenting research results in the field of geography, assess their usefulness for tasks in which the application goal of geography can be realized	knows and proposes field activities and spatial analyses that contribute to environmental protection and restoration, along with appropriate methods for presenting the results of these activities; is able to identify environmental problems in a selected area and propose methods for their assessment, monitoring, and mitigation of their negative effects; curriculum content: B.1, B.3, B.5	[SU2] presentation/project/paper/ report [SU5] implementation of a problem task
[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 - is familiar with specialist literature and the methodology derived from it concerning environmental protection issues; independently and in a team conducts research procedures related to environmental protection, including, among others, characterization of the study area, description of research methods, implementation of the study, presentation of results, and conclusions; curriculum content: B. 1, B.3	[SU2] presentation/project/paper/ report [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 - knows sources of information and methods of spatial and statistical analyses related to the identification and interpretation of basic natural, social, economic, and political processes and phenomena; is able to use them to interpret environmental data of a selected area and, as a result, characterize these processes and phenomena; curriculum content: B. 1, B.2, B.3, B.4, B.5	[SU4] test/exam - oral or written [SU5] implementation of a problem task
[GEOGRL3-W06] knows advanced methods of acquiring, processing, and compiling geographic environmental data, as well as methods of analyzing and interpreting such data	K_W06 - knows the main sources of information about the geographical environment, with particular emphasis on sozological aspects; is able to perform statistical and spatial analyses based on cartographic, statistical, and planning materials; curriculum content: B.1, B.2, B.4, B.5	[SW2] presentation/project/paper/ report
[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 - is able to carry out a physical-geographical and socio-economic characterization of a selected area, specifying the processes and phenomena occurring there; is able to identify the causes and effects of these phenomena through the interpretation of information sources and discussion; curriculum content: B.1, B.4, B.5	[SU3] text preparation/written work

	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 - is able to characterize the interactions between the natural environment and the anthropogenic environment at various spatial and temporal scales; knows and can describe the specificity of key interactions between the natural and anthropogenic environment in the area of the South Baltic Coastal Regions and Lakelands; curriculum content: B.1, B.4, B.5	[SW4] test/exam - oral or written [SW2] presentation/project/paper/ report [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
staged work	51.0%	45.0%
observation of student's performance	51.0%	10.0%
tests	51.0%	45.0%

Recommended reading

Basic literature	- 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. - European Environmental Agency Reports
Supplementary literature	- Bartkowski T., 1981, Kształtowanie i ochrona środowiska, PWN, Warszawa-Poznań. - Sołowiej D., 1992, Podstawy metodyki oceny środowiska przyrodniczego człowieka, Wyd. Nauk. UAM, Poznań, - Studia przyrodniczo-krajobrazowe województwa pomorskiego, Pomorskie Studia Regionalne, 2006, UMWP, Gdańsk, - Wiśniewski P., Wojtasik M., 2006: Problemy środowiskowe składowiska odpadów komunalnych w Rozwarzynie k. Nakła, Ekologia i Technika, vol. XIV, nr 2, 70-76. - Wiśniewski P., Loranc-Wiśniewska L., Wojtasik M., 2008: Finansowanie ochrony środowiska na przykładzie Banku Ochrony Środowiska S.A. Oddział w Bydgoszczy, Ekologia i Technika, vol. XVI, nr 5, 248-250. - Wiśniewski P., 2014: Powiatowe programy ochrony środowiska w kontekście zarządzania przeciwerozyjną ochroną gleb na przykładzie województwa kujawsko-pomorskiego. Woda-Środowisko-Obszary Wiejskie, t. 14, z. 2(46), 141-153. - Wiśniewski P., Wojtasik M., 2014: Wpływ erozji gleb na fizjonomię krajobrazu. Ekologia i Technika, 6 (133), 346-351. - Wiśniewski P.,
eResources addresses	

Example issues/ example questions/ tasks being completed

Work placement

Not applicable

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