University of Gdańsk

Subject card

Subject name and code	Programming and Planning of Environmental, Nature and Landscape Protection, PG_00204879						
Field of study	Socio-economic geography with elements of GIS						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2026/2027			
Education level	Master'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	2		ECTS credits	6.0			
Learning profile	academic		Assessment form	exam			
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Mariusz Kistowski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	45.0	0.0	30.0	0.0	0.0	75
	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	75		8.0	67.0	150	
Subject objectives	Introduction to the principles of eco-development and basic documents drawn up at local and regional levelPractical familiarisation with environmental protection objectives and environmental protection planning in communes, districts and provinces; Ability to assess natural processes in the environment and their significance for spatial development programming						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GSEMU2_K03] is ready to initiate and organise activities for the preservation of cultural heritage and protection of the natural environment of the region, country, Europe in cooperation with various entities and authorities at various levels	Designs sets of indicators e for environmental policy-making at different levels of local and regional government in relation to a selected sozological problem	[SK1] oral statement/conversation/ discussion [SK4] test/exam - oral or written
[GSEMU2_U02] properly selects sources and information derived from them, with particular regard to sources of spatial information; evaluatesthem critically and interpret them creatively	Extracts relevant information from legal and planning documents and from environmental inventories and valorisations for use in the development of environmental objectives and principles	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
[GSEMU2_W01] explains in-depth modern socio-economic processes as well as has ordered and theoretically founded knowledge of socio-economic geography in connection with related natural and social scientific disciplines	Recognizes the complexity of the political and economic determinants of environmental protection	[SW4] test/exam - oral or written
[GSEMU2_U05] formulates and tests hypotheses regarding determinants and factors (natural, social, economic, cultural) of processes occurring in socio-economic space	identifies assumptions about economic, social and natural linkages in order to design appropriate conservation solutions	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
[GSEMU2_K02] is ready to solve cognitive and practical problems in the field of socio-economic geography in cooperation with various entities, taking into account the acquired knowledge	Implements environmental protection goals and objectives into planning documents to optimise solutions and mitigate spatial conflicts	[SK1] oral statement/conversation/ discussion [SK4] test/exam - oral or written
[GSEMU2_W03] understands to a deeper extent, the determinants (natural, social, economic, cultural) of processes occurring in the human life environment on various spatial and time scales	explains the influence of natural, social and economic conditions on the process of strategic environmental planning on the example of municipal and provincial conservation plans	[SW4] test/exam - oral or written

Subject contents

A: Problems of the lectureA1.Concept of environmental (ecological, sozological) protection policyA2.Basic principles and methods of strategic planning and their application in environmental protection programmingA3.National environmental protection policy in the light of strategic documentsA4.Principles for the development of provincial environmental protection programmes in the light of Polish experience.A5.Principles and methods of developing local (district and commune) environmental protection programmesA6.Other experience in strategic environmental protection planning on the example of communal low emission management plansA7.Conservation plans as a tool for sustainable developmentA8.Basic principles and objectives of nature conservation planningA9.Nature conservation at local and regional levelA10.The role of nature inventory and valorisation in developing conservation objectives and principlesA11.Identification of threats to the implementation of conservation objectivesA12.Implementation of nature conservation - integration with spatial management and strategic documentsA13.Protection of landscape in terms of legal regulationsA14.Problems of landscape audit and priority landscapesA15Scope and construction of legal documents on environmental and landscape protectionA16.Landscape protection in investment activitiesA17.Natural processes and their significance for planning and spatial developmentB. Problems of the exercisesB1.Analysis of compliance of the content of the selected municipal environmental protection programme with the principles of preparation of strategic documents and othergood practicesB2. Pressure and response indicators for environmental policy in relation to a selected sozological problem.B3.Analysis of a selected conservation plan (or protection tasks) of a Natura 2000 site/ nature reserve/ landscape park.B4. Landscape conservation - selected issues

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Exam test	51.0%	60.0%
Partial credit work	51.0%	40.0%

Recommended reading	Basic literature	Borys T. (red.), Wskaźniki zrównoważonego rozwoju, Wyd. Ekonomia i Środowisko, Warszawa Białystok.Czochański J., 2010, Krajobraz w systemie monitoringu planowania i rozwoju przestrzennego. Założenia do monitoringu na poziomie regionalnym,Ser. Problemy Ekologii Krajobrazu, pod red. S.Horskiej-Schwarz, Tom XXVI, Uniw. Wrocławski, PAEK, Wrocław.Czochański J., Pietruszewski J., 2016, Polityka ochrony krajobrazu w województwie pomorskim w kierunku audytu krajobrazowego wwojewództwie pomorskim, Samorząd Pomorza, Zeszyty Problemowe, Nr 3/2016, UMWP, Gdańsk.Kistowski M., Staszek W., 1999, Poradnik do opracowania gminnych i powiatowych programów zrównoważonego rozwoju i ochrony środowiska,Wydawnictwo DJ, Gdańsk.Kistowski M., Staszek W., 2004, Abiotyczne komponenty środowiska przyrodniczego (w:) M.Ciechanowski, W.Fałtynowicz, S.Zieliński (red.)Planowany rezerwat przyrody Dolina Mirachowskiej Strugi na Pojezierzu Kaszubskim, Acta Bot. Cassub., s.9-19.Korwel B., 2003, Problemy delimitacji i ochrony obszarów Natura 2000 na przykładzie Specjalnego Obszaru Ochrony Jeziora Raduńsko-Ostrzyckiena Pojezierzu Kaszubskim, Przegląd Przyrodniczy t. XIV z.1-2, s.163-171.Kistowski M., 2006, Wpływ programów ochrony na środowisko przyrodnicze. Ocena jakości i ekoinnowacyjności programów ochrony środowiskawojewództw opracowanych w latach 2001-2005, Studia nad Zrównoważonym Rozwojem Tom III, Komitet Człowiek i Środowisko przy PrezydiumPAN, Fundacja Rozwoju Uniw. Gdańskiego, GdańskWarszawLipińska B., 2011, Ochrona dziedzictwa kulturowego ujęcie krajobrazowe, Wydz. Arch. PG, Gdańsk.Macias A.,Bródka S., 2013, Przyrodnicze podstawy gospodarowania przestrzenią, Wyd.Nauk. PWN, Warszawa.Matyjasiak P., 2012, Metodyka waloryzacji przyrodniczej. Część I: Zastosowania w ochronie przyrody. Studia Ecologiae et Bioethicae, UKSW, 10, 3.Pawlaczyk P., Jermaczek A., 2009, Poradnik lokalnej ochrony przyrody, Wyd. Klubu Przyrodników, Świebodzin.Sas-Bojarska A., 2017, Wielkie inwestycje w kontekście zagrożeń i ochrony krajobrazu, Wydz. Arch. PG, Gdańsk.Przewoźniak M., Czochański J., 2020, Przyrodnicze podstawy gospodarki przestrzennej, Bogucki Wyd.Nauk., Gdańsk-Poznań.Staszek W., 2001, Wpływ melioracji torfowisk wysokich i przejściowych na funkcjonowanie geosystemów obszarów pojeziernych (w:) Przemianyśrodowiska przyrodniczego Polski a jego funkcjonowanie, Problemy Ekologii Krajobrazu, t.X, praca zbior. pod red. K.German i J.Balona, UniwersytetJagielloński, Kraków, s. 75-82.Staszek W., 2017, Wskaźniki udziału obszarów zieleni w wybranych miastach województwa pomorskiego jako podstawa działań programowych iplanistycznych, Rozwój Regionalny i Polityka Regionalna, 37 (2017).
	Supplementary literature	Dobrzańska B., Dobrzański G., Kiełczewski D., 2008, Ochrona środowiska przyrodniczego, PWN, Warszawa.Kistowski M., Wiśniewski P., 2017, Niskowęglowy rozwój obszarów wiejskich w Polsce a plany gospodarki niskoemisyjnej. Wyd. UniwersytetuGdańskiego, Gdańsk.Pietrzak M., 2010, Podstawy i zastosowania Ekologii krajobrazu, PWSZ, LesznoPlany zadań ochronnych w pigułce na przykładzie obszarów Natura 2000 w województwie pomorskim, RDOŚ Gdańsk, 2014.Staszek W., 2018, Influence of functional environmental processes on selected coastal ecosystems of the Gdańsk seashore, Ecological Questions29 (2018)
	eResources addresses	

Example issues/ example questions/ tasks being completed	Lecture: written test with open and closed questions (tasks)/Exercises:completion of coursework: preparation of a presentation, statistical andgraphical analysis of data and interpretation of resultsBasic assessment criteriaThe total mark for the course is the resultant mark for the components obtained - theexamination from the lecture (60% of the final mark) and a pass mark from the exercises (40% of the final mark).of the final mark); independently, a minimum of 51% of the sum of points in the exercise part of theexercise part (student's own work and colloquia) and a minimum of 51% of the total points from theexamination in the lecture part (open and closed questions test).
Work placement	Not applicable

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