

Subject card

Subject name and code	Geoecology - wykład, PG_00119864						
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		
Semester of study	4		ECTS credits		1.0		
Learning profile	academic		Assessment form				
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 hab. Mariusz Kistowski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	20.0	0.0	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		7.0		8.0	35
Subject objectives	Learning about the horizontal and vertical material structure of the natural environment, the main features of the landscape. Functioning of the environment - the processes of matter circulation and the impact on the differentiation of subordinate components. Learning about the measures and methods of analysis of the structure of the landscape and the relationship between its elements, the functioning of natural systems.Ability to assess the interrelationships between abiotic and biotic components of the environment, the use of acquired knowledge for the rational management of humans in space.						

Learning outcomes	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	identifies the basic processes and phenomena occurring in the natural environment of the Earth, and in their interpretation relies on empirical foundations, understanding the importance and application of qualitative, mathematical and statistical	[SW4] test/exam - oral or written
	[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	Recognizes and names the basic information about the geographic environment of the Earth, understood as a unified system of interrelated and interacting components, and distinguishes the basic interactions between the natural and anthropogenic environment	[SW4] test/exam - oral or written
	[GEOGRL3-U05] find and select the necessary information from professional literature and other sources, including electronic sources	draws correct conclusions on the basis of data from various sources, including cartographic sources, analyzes and organizes theoretical knowledge of geographical sciences and available sources of information to correctly interpret basic natural processes and phenomena.	[SU4] test/exam - oral or written
	[GEOGRL3-U08] use scientific language and express themselves and discuss topics concerning geographic issues in Polish and in a foreign language	analyzes the causes and course of basic processes and phenomena occurring in the geographical environment	[SU4] test/exam - oral or written
Subject contents	1. Geoecology as a scientific discipline - history of development, relations with other sciences, 2. Concepts and terminology, the main features of the natural environment and landscape research carried out in the stream of geoecology 3. Horizontal structure of the natural environment - measures and methods of analysis 4. Vertical structure of the natural environment - measures and methods of analysis 5. Functional structure - links between components, methods of analysis 6. Classification and typology vs. physical-geographic regionalization 7. Concept of landscape patches, corridors and matrices 8. The concept of landscape potential and ecosystem benefits 9. The role of geoecology in spatial management		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exam	51.0%	100.0%
Recommended reading	Basic literature	1. Chmielewski T.J., 2012, Landscape Systems. Structure - functioning - planning, Wyd. Nauk PWN, Warszawa. 2. Kistowski M., 2019, Directions of Polish applications of landscape ecology in land management after 1982. Przegląd Geograficzny, T. 91,1, p. 7-39. 3. Malinowska E., Lewandowski W., Harasimiuk A. (eds.), 2004, Geoecology and landscape conservation -lexicon, University of Warsaw, Wyd. Przemysłowe Wema, Warszawa 4. Przewoźniak M., 1987, Fundamentals of complex physical geography, Wyd. UG, Gdańsk 5. Richling A., 1992, Complex physical geography, PWN, Warszawa. 6. Richling, Solon, 1998, Landscape ecology, PWN, Warszawa	
	Supplementary literature	1. Richling A. (ed.), 2007, Geographical studies of the natural environment, PWN, Warszawa 2. Ostaszewska K., 2002, Landscape geography, PWN, Warszawa.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	• Knowledge of concepts, terms, theories and ideas related to the subject matter • Knowledge of the structure and differentiation of the natural environment, basic natural processes of their impact on the material structure of the environment • Ability to apply appropriate methods of landscape analysis (measures of horizontal structure, relationships between components).		
Work placement	Not applicable		

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