

Subject card

Subject name and code	Civilization risks and sustainable development, PG_00050804						
Field of study	Environmental Protection						
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	3		ECTS credits		1.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Pracownia Hydrologii -> Department of Hydrology -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Katarzyna Jereczek-Korzeniewska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	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	15		2.0		8.0	25
Subject objectives	To get to know the main principles of the concept of sustainable development. To emphasise the importance of the proper condition, natural environment, development of the country To get to know the importance of the natural, social and economic conditions of sustainable development. To get acquainted with threats to the natural environment and importance of human-environment relations. To identify the effects of anthropopression and their influence on the natural and social-ecological environmental subsystem.To get to know the basic principles of the rational use and shaping of the environment.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[OŚL3_W09] Describes the basic methods, techniques and tools that allow the rational use, shaping and restoration of natural resources.	describes the basic methods, techniques and tools to rationally use, shape and restore natural resources	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report [SW3] text preparation/written work
	[OŚL3_U08] Correctly concludes based on the available data from various sources.	- makes inferences on the basis of empirical and literature data and combines natural and rigorous content with legal, sociological and economic -uses environmental terminology and nomenclature of the various disciplines involved	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
	[OŚL3_U01] Performs tasks under supervision and independently in the field of analysis of the natural environment and the functioning of natural and man-made natural systems.	- evaluate the functioning of natural and human-altered natural systems natural systems and determines the impact of anthropopressure on specific environmental processes in the natural environment -assesses the resources and regeneration potential of animate and inanimate nature; uses legal and economic instruments in the reduction of anthropopressure	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU3] text preparation/written work
	[OŚL3_K06] Knows and appreciates the practical application of the acquired knowledge and skills in solving problems.	identifies the level of his/her knowledge and skills and the need for continuous professional development, updating of knowledge on the environment and its protection -identifies the importance of acquired knowledge and skills for the achievement of sustainable development in all its aspects (social, economic and environmental) identifies the importance of acquired knowledge and skills for achieving sustainable development in all its aspects (social, economic and environmental) -is convinced of the importance of acting in a professional manner in every situation, bearing full responsibility for actions relating to environmental protection and comply with professional ethics	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report
	[OŚL3_W07] Explains the causal relationship between the content of specific pollutants and the state of the environment (including human health) and the occurrence of adverse phenomena on a local, regional and global scale.	-describes the physical, chemical and biological phenomena occurring in nature and the geological, geomorphological and climatic conditions in which nature functions of nature -explains the importance and indispensability of empirical data in the description and interpretation of natural phenomena and processes -explains the cause-and-effect relationships between the content of specific the content of specific pollutants and the state of the environment (including human health) and the occurrence of adverse phenomena on a local, regional and global scale	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report [SW3] text preparation/written work

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Subject contents	A. Problems of the lecture A.1. The concept of sustainable development and its evolution A.2. Basic components of the natural environment and their anthropogenic threats, effects of human impact on the environment, ways of counteracting threats - global and local perspective A.3. Resources and values of the natural environment and their significance for sustainable development. Barriers and limitations of the environment. A.4 Functioning of natural and man-made natural systems A.5 Methods, instruments and tools of environmental protection A.6 Problems of landscape protection and shaping A.7 Protection of nature - concepts, forms A.8 Basic principles of rational management in the environment in the aspect of the presence of high pressure of civilisation											
Prerequisites and co-requisites	has a general knowledge of ecology and geography											
Assessment methods and criteria	<table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>completion of a credit work - presentation or project</td><td>51.0%</td><td>75.0%</td></tr><tr><td>determination of a passing grade on the basis of partial grades received during the semester</td><td>51.0%</td><td>25.0%</td></tr></table>	Subject passing criteria	Passing threshold	Percentage of the final grade	completion of a credit work - presentation or project	51.0%	75.0%	determination of a passing grade on the basis of partial grades received during the semester	51.0%	25.0%		
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Example issues/ example questions/ tasks being completed	1. Are we in danger of a little ice age? 2. Are we self-sufficient? 3. what is the water footprint? In search of new solutions.4. urban water footprint - a city's water needs5. how to better manage urban water?											
Work placement	Not applicable											

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