

**Subject card**

<b>Subject name and code</b>	Civilization risks and sustainable development, PG_00050805						
<b>Field of study</b>	Environmental Protection						
<b>Date of commencement of studies</b>	October 2024	<b>Academic year of realisation of subject</b>			2025/2026		
<b>Education level</b>	undergraduate studies	<b>Subject group</b>			Obligatory subject group in the field of study		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	2	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	3	<b>ECTS credits</b>			1.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>					
<b>Conducting unit</b>	Pracownia Hydrologii -> Katedra Hydrologii -> Faculty of Oceanography and Geography						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Katarzyna Jereczek-Korzeniewska				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	0.0	15.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	15		2.0		8.0	25
<b>Subject objectives</b>	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 enviromental 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_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.	-evaluates the functioning of natural and man-made systems assess the functioning of natural and man-made systems and identify the impact of anthropogenic pressures 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_U08] Correctly concludes based on the available data from various sources.	- uses environmental terminology and nomenclature of the various disciplines involved -conclusions on the basis of empirical and literature data and links natural and scientific content with legal, sociological and economic	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU3] text preparation/written work
	[OŚL3_W08] Explains the mechanisms of economic and consumer pressure on the environment and recognises the possibilities of reducing it using the latest knowledge and scientific achievements.	-explains the mechanisms of economic and consumption pressures on the the environment and recognises the possibilities of reducing it, using the latest knowledge and scientific achievements -describes physical, chemical and biological phenomena occurring in nature and the describes physical, chemical and biological phenomena occurring in nature and the geological, geomorphological and climatic conditions of the functioning of of nature	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report [SW3] text preparation/written work
	[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.	-explains the cause-and-effect relationships between the content of certain pollutants the state of the environment (including human health) and the occurrence of adverse phenomena on a local, regional and global scale -describes physical, chemical and biological phenomena occurring in nature and geological, geomorphological and climatic conditions of the functioning of of nature nature -explains the importance and indispensability of empirical data in the description and interpretation of natural phenomena and processes	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report [SW3] text preparation/written work
	[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 for the rational use, shaping and restoration of natural resources	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report [SW3] text preparation/written work

	Course outcome	Subject outcome	Method of verification
	[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 continue vocational training, update knowledge of 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 [SK3] text preparation/written work
Subject contents	B. Problems of exercises B.1. Types and forms of environmental degradation B.2. National conditions of sustainable development B.3. Analysis of the state of the natural environment of the country and region in the zoological aspect. Problem studies. B.4 Protection of nature and landscape - forms, formal and legal regulations, successes in the field of		
Prerequisites and co-requisites	has a general knowledge of ecology and geography		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	determination of a passing grade on the basis of partial grades received during the semester	51.0%	100.0%
Recommended reading	Basic literature	A. Literature required for the final course credit: A.1. used during the classes - Dobrzańska B., Dobrzański G., Kielczewski D., 2008, Ochrona środowiska przyrodniczego, PWN, Warszawa - Ochrona Środowiska, roczniki statystyczne, GUS, Warszawa - Ustawa o ochronie przyrody z 16.IV.2004 r. (Dz. U nr 92, poz. 880) i Ustawa o ochronie zabytków i opiece nad zabytkami z 23 .VII. 2003 (Dz. U nr 162, poz. 1658) A.2. studied independently by the student - Bartkowski T., 1981, Kształtowanie i ochrona środowiska, PWN, Warszawa-Poznań. - Odum E P., 1982, Fundamentals of ecology, Państwowe Wydawnictwo Rolnicze i Leśne, Warszawa. - Pullin A S., 2004, Biological bases of nature conservation, WN PWN, Warsaw.	
	Supplementary literature	B. Supplementary literature - Environmental legislation, including Environmental Law (2001 as amended), Water Law (2001 as amended) - Meadows D.H., Meadows D.L., Randers J., 1995, Crossing borders. Global collapse or secure future? University of Warsaw, Polish Association for Cooperation with the Club of Rome, Warsaw	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	- Dwindling water resources - a problem of today or tomorrow - What forms of water management (methods) can and should "cure" water management in the context of sustainable development? What will be the effects of these measures (examples)		
Work placement	Not applicable		

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