

Subject card

Subject name and code	Civilization risks and sustainable development, PG_00050804						
Field of study	Environmental Protection						
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	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_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 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
	[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 environment and recognises the possibilities of its reduction, using the latest knowledge and scientific achievements -defines basic legal regulations and instruments of law application in environmental protection environment	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report [SW3] text preparation/written work
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	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%	25.0%
	completion of a credit work - presentation or project	51.0%	75.0%
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		
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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