University of Gdańsk

Subject card

Subject name and code	Nature and enviromental protection, PG_00137340		
Field of study	History		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2025/2026
Education level	Bachelor's studies	Subject group	
Mode of study	full-time studies	Mode of delivery	e-learning
Year of study	1	Language of instruction	Polish
Semester of study	2	ECTS credits	2.0
Learning profile	academic	Assessment form	credit
Conducting unit	Laboratory of Geobotanics and Nature Conservation -> Department of Plant Taxonomy and Nature Conservation -> Faculty of Biology -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Piotr Rutkowski, prof. UG	
	Teachers	dr hab. Piotr Rutkowski, prof. UG dr Magdalena Lazarus	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	0.0	0.0	0.0	30

E-learning hours included: 30.0

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	30	2.0	18.0	50

Subject objectives

Understanding the causes and directions of environmental degradation and knowing how to protect nature's components.

Learning the basics of nature and environmental protection law.

Learning about the forms and methods of nature protection.

Understanding of nature and environmental protection problems.

Learning outcomes

Course outcome	Subject outcome	Method of verification
	Effects in the area of natural sciences: 1. student knows methods and forms of nature protection (B_W07), [SK1] oral statement/conversation/ discussion [SK5] implementation of a problem task [SK8] observation of student's independent or team work 2. student is familiar with the rules, methods and techniques of conducting field research in the natural environment and the possibilities of their use in nature conservation (B_W15), 3. student knows the connections between the achievements of natural sciences and the possibilities of their use in socioeconomic life, taking into account the sustainable use of biological diversity (B_W16), 4. student is able to synthesize data from various sources and draw appropriate conclusions on this basis regarding nature conservation and environmental protection (B_U05), 5. student is able to present their own ideas and provide adequate argumentation in the context of nature conservation and environmental protection (B_U13), 6. student is ready to assess their own knowledge and understands the need for constant learning and development and is open to new ideas (B_K01)	[SU1] oral statement/conversation/ discussion [SK1] oral statement/conversation/ discussion [SK3] text preparation/written work [SK5] implementation of a problem task

Subject contents

The history of human impact on the environment. Natural resources. Water residues, pollution, protection methods. Air - components, effects and consequences caused by pollution (acid rain, smog, ozone hole, anthropogenic greenhouse effect), methods of air protection. Soils degradation and protection of soil resources. Waste management. Environmental monitoring in Poland. Development implementation strategy. Basic legal acts and international conventions regarding nature and environmental protection. Organization of nature protection in Poland and the European Union. Causes of extinction of plant and animal species. Species protection, red lists and books. The problem with expansive and invasive species. Area protection. The Natura 2000 network as a form of nature protection. Protection of genetic, species and biocenotic diversity. Methodology for the protection of species, biocenoses and biotopes based on examples from the Gdańsk Pomerania region.

Prerequisites and co-requisites

None

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Assessment is based on the student's own work during classes in a group or individual work system.	51.0%	100.0%

Recommended reading

Basic literature

1/ Dobrzańska B., Dobrzański G., Kiełczewski D. 2008. Ochrona środowiska przyrodniczego. PWN.

2/ Symonides E. 2007. Ochrona Przyrody. Wyd. UW.

3/ Popkiewicz M. 2012. Świat na rozdrożu Wyd. Sonia Draga

4/ Popkiewicz M., Kardaś A., Malinowski Sz. 2018. Nauka o klimacie. Wyd. Sonia Draga

	Supplementary literature	1/ Chełmicki W. 2002. Woda zasoby, degradacja, ochrona. PWN. 2/ Craig J.R., Vaughan D. J., Skinner B. J. 2003. Zasoby Ziemi. PWN. 3/ Mannion A. M. 2001. Zmiany środowiska Ziemi. PWN. 4/ Rosik-Dulewska Cz. 2008. Podstawy gospodarki odpadami, PWN. 5/ Pullin A.S. 2012. Biologiczne podstawy ochrony przyrody. PWN, Warszawa. 6/ Fudali E. 2009. Antropogeniczne zmiany w ekosystemach. UWP, Wrocław.
	eResources addresses	
Example issues/ example questions/ tasks being completed	1. Describe current conflicts in nature conservation using the example of national parks.2. Present the selected international convention on environmental protection.	
Work placement	Not applicable	

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