


**KAPITAŁ LUDZKI**  
 NARODOWA STRATEGIA SPÓJNOŚCI

 Projekt współfinansowany przez  
 Unię Europejską w ramach  
 Europejskiego Funduszu  
 Społecznego

**UNIA EUROPEJSKA**  
 EUROPEJSKI  
 FUNDUSZ SPOŁECZNY


<b>Course title</b>		<b>ECTS code</b>	
Biodiversity conservation		not defined	
<b>Name of unit administrating study</b>			
Faculty of Biology			
<b>Studies</b>			
<b>faculty</b>	<b>field of study</b>	<b>type</b>	all
Faculty of Biology	Natural Resources Conservation, Genetics and Experimental Biology, Medical Biology, Biology	<b>form</b>	all
		<b>specjalty</b>	all
		<b>specialization</b>	all
<b>Teaching staff</b>			
dr Magdalena Lazarus; dr hab. Katarzyna Wojczulanis-Jakubas; dr hab. Wojciech Pokora, profesor uczelni; dr Mateusz Ciechanowski; prof. dr hab. Dariusz Jakubas; dr Przemysław Baranow			
<b>Forms of classes, the realization and number of hours</b>		<b>ECTS credits</b>	
<b>Forms of classes</b>		1 a) Classes requiring direct participation of the academic teacher and a student: - participation in lectures: 15 h - participation in the final test: 1 h b) Student's own work: - preparation for classes, test, final assessment: 9 h TOTAL: 25 hours	
Lecture			
<b>The realization of activities</b>			
classroom instruction, online classes			
<b>Number of hours</b>			
Lecture: 15 hours			
<b>The academic cycle</b>			
2022/2023 winter semester			
<b>Type of course</b>		<b>Language of instruction</b>	
an elective course			
<b>Teaching methods</b>		<b>Form and method of assessment and basic criteria for evaluation or examination requirements</b>	
- Lecture, discussion - discussion		<b>Final evaluation</b>	
		Graded credit	
		<b>Assessment methods</b>	
		Written test: multiple-choice and open questions. Re-sit test: oral.	
		<b>The basic criteria for evaluation</b>	
		Assessment criteria or examination requirements: Obtaining 51% points on the test (the sum of points obtained from the test will be converted into the final grade according to the percentage rate); attendance of at least 85% of lectures	
<b>Method of verifying required learning outcomes</b>			

zakładany efekt kształcenia	Lecture, discussion
	Knowledge
_W	Written test
_W	Written test
_W	Written test
	Skills
_U	Written test, observation of the student's current work
	Social Competence
_K	observation of the student's current work

**Required courses and introductory requirements**

**A. Formal requirements**

English level – minimum B2

**B. Prerequisites**

Not required

**Aims of education**

Becoming acquainted with the concept of biological diversity, methods of its assessment, its threats and ways of protection

**Course contents**

The definition of biodiversity, levels at which it is considered, ways of determining biodiversity variation, factors (including anthropogenic) that influence biodiversity on different levels.

Earth biogeographic zones, types of ranges, concepts of endemic, relic, cosmopolitan species. Anthropogenic transformations of plant cover and fauna. Forms of nature protection and problems of nature protection. Animal migration corridors protection. Processes and cause analysis of the disappearance of selected species. The problem of expansive and invasive species, GMO. The role of botanical and zoological gardens and seed banks in the ex situ species protection. Economical and political aspects of nature destruction. International aspects of biodiversity protection.

**Bibliography of literature**

Literatura wymagana do ostatecznego zaliczenia zajęć (zdania egzaminu):

A.1. literature used during the lectures

Pullin A. S. 2012. Conservation Biology. Cambridge Univ. Press, Cambridge.

Freeland J. R. 2020. Molecular Ecology. Wiley

B. Literatura uzupełniająca

Gifford R. 2011. The Dragons of Inaction. Psychological Barriers That Limit Climate Change Mitigation and Adaptation. American Psychologist 66(4): 290-302

**The learning outcomes (for the field of study and specialization)**

Learning outcomes for the area of natural science:

P2A\_W01, P2A\_W04, P2A\_W05, P2A\_U02, P2A\_U07, P2A\_K05, P2A\_K07

Learning outcomes in the field of biology: B2\_W01, B2\_W04, B2\_W05, B2\_U07, B2\_K05

**Knowledge**

- 1: understands the natural phenomena and processes at various levels of complexity
- 2: has in-depth knowledge of the selected specialty in biological sciences
- 3: recognizes the dynamic development of biological sciences and the emergence of new research directions and disciplines

**Skills**

- 4: critically confronts biological information from various sources and draws reasonable conclusions on this basis

**Social competence**

- 5: understands the need to use recognized sources of scientific and popular science information in the field of biological sciences in order to deepen knowledge

**Contact**

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