

**Subject card**

<b>Subject name and code</b>	Habitat science, PG_00079854						
<b>Field of study</b>	Biology						
<b>Date of commencement of studies</b>	October 2022	<b>Academic year of realisation of subject</b>			2024/2025		
<b>Education level</b>	Bachelor's studies	<b>Subject group</b>			Obligatory subject group in the field of study Optional subject group		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	3	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	6	<b>ECTS credits</b>			1.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>					
<b>Conducting unit</b>							
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Julita Minasiewicz				
	<b>Teachers</b>		dr Julita Minasiewicz				
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	15.0	0.0	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		0.0		0.0	15
<b>Subject objectives</b>	Understanding the definition of a habitat and other fundamental ecological concepts. Demonstrating cause-and-effect relationships between habitat and biocoenosis. Defining and characterizing soil as a multifunctional component of terrestrial ecosystems. Developing the ability to apply various habitat typologies and their practical use in environmental protection.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOLL3_W10] the graduate knows and understands to an advanced degree the development and current state of knowledge and the latest trends in biology, as well as their relationship with other natural disciplines	becomes familiar with the development and current state of knowledge, as well as the latest trends in habitat science and soil science, and identifies their connections with other natural science disciplines.	[SW1] oral statement/ conversation/discussion
	[BIOLL3_W05] the graduate knows the rules and describes the mechanisms of life at the population, biocenosis and ecosystem levels, as well as the temporal and spatial determinants of biodiversity	describes phenomena and processes occurring within habitats (with particular emphasis on soil), as well as interactions between soil, climate, and vegetation.	[SW4] test/exam - oral or written
	[BIOLL3_K01] the graduate is ready to evaluate his own knowledge and understands the need for continuous learning and development and is open to new ideas	strives to expand and update their knowledge in the field of habitat science.	[SK4] test/exam - oral or written
	[BIOLL3_U12] the graduate is able to use Polish and foreign language, specialized for biology, in a way that is understandable and accessible to both specialists and non-specialists	demonstrates understanding of selected research problems in habitat science through written responses.	[SU4] test/exam - oral or written
Subject contents	Definitions of habitats and their characteristics as subjects of scientific inquiry and land use. Origin, heterogeneity, and properties of terrestrial habitats. Climatic conditions associated with selected ecosystem types. Soils as integral components of terrestrial ecosystems: processes of soil formation, properties, functioning, and variability. Soil classification systems, methods of identification, and fundamental principles of soil analysis. Habitat typology and the practical application of habitat science in environmental protection.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written coursework assignment	51.0%	100.0%
Recommended reading	Basic literature	Mocek A. 2014. Gleboznawstwo. PWN, Warszawa. Bednarek R., Dziadowiec H., Pokojka U., Prusinkiewicz Z. 2004. Badania ekologiczno-gleboznawcze. Wyd. Naukowe PWN, Warszawa. Opracowanie zbiorowe 2004. Siedliskowe podstawy hodowli lasu. Załącznik do Zasad hodowli lasu. Ośrodek Rozwojowo-Wdrożeniowy Lasów Państwowych w Bedoniu.	
	Supplementary literature	Afranowicz-Cieślak R. 2013. Geobotaniczna charakterystyka Żuław Wiślanych. W: Ciecierska H., Hołdyński C. (red.), Interdyscyplinarne i aplikacyjne znaczenie nauk botanicznych. Przewodnik do warsztatów terenowych 56. Zjazdu Polskiego Towarzystwa Botanicznego, 24-30 czerwca 2013, Olsztyn, s. 135-143.  Brożek S., Zwyczaj M. 2003. Atlas gleb leśnych Polski. Centrum informacyjne Lasów Państwowych.  Tobolski K. 2000. Przewodnik do oznaczania torfów i osadów jeziornych. Ser. Vademecum Geobotanicum. Wyd. Nauk. PWN, Warszawa.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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