

Subject card

Subject name and code	Habitat science, PG_00196858						
Field of study	Biology						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2028/2029		
Education level	Bachelor's studies	Subject group			Obligatory subject group in the field of study Optional subject group		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	6	ECTS credits			1.0		
Learning profile	academic	Assessment form			credit		
Conducting unit	Pracownia Symbioz Roślinnych -> Department of Plant Taxonomy and Nature Conservation -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Julita Minasiewicz				
	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	Learning the definition of habitat and other basic ecological concepts. Demonstrating cause and effect relationships between the habitat and biocenosis. Defining and characterizing soil as a multifunctional component of terrestrial ecosystems. Acquiring the ability to use various typologies of habitats and their practical application in environmental protection.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[BIOLL3_U12] The graduate is able to use Polish and foreign languages specific to biology in a way that is understandable and accessible to both specialists and non-specialists		- prepares written studies of selected research problems in habitat science			[SU4] test/exam - oral or written	
	[BIOLL3_W05] The graduate understands at an advanced level the rules and describe the mechanisms of life at the population, biocenosis and ecosystem levels and the temporal and spatial determinants of biodiversity		- describes phenomena and processes occurring in the habitat (primarily in the soil) and interactions between soil, climate and vegetation			[SW4] test/exam - oral or written	
	[BIOLL3_W10] The graduate is familiar with the development and current state of knowledge and the latest trends in biology, as well as their relationship with other natural disciplines		- becomes acquainted with the development and current state of knowledge as well as the latest trends in habitat and soil science and indicates their relationship with other natural disciplines			[SW1] oral statement/ conversation/discussion	
	[BIOLL3_K01] The graduate is prepared to evaluate his/her own knowledge, understand the need for continuous learning and development, and is open to new ideas		- strives to supplement and update his knowledge in the field of habitat science			[SK4] test/exam - oral or written	

Subject contents	Definitions of the habitat, its characteristics as an object of research and use. Formation, diversity and properties of terrestrial habitats. Climatic conditions of selected types of ecosystems. Soils as an integral component of land ecosystems. The process of soil formation, their properties, functioning and differentiation. Soil taxonomy, identification and basics of soil testing. Habitat typology and 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 final paper	51.0%	100.0%
Recommended reading	Basic literature	<p>Mocek A. 2014. Soil science. PWN, Warsaw.</p> <p>Bednarek R., Dziadowiec H., Pokojska U., Prusinkiewicz Z. 2004. Ecological and soil research. Ed. Scientific PWN, Warsaw.</p> <p>Collective work 2004. Habitat basis of forest breeding. Annex to the Forest Husbandry Rules. Development and Implementation Center of the State Forests in Bedoń.</p>	
	Supplementary literature	<p>Afranowicz-Cieślak R. 2013. Geobotanical characteristics of Żuławy Wiślane. In: Ciecierska H., Hołdyński C. (eds.), Interdisciplinary and applied importance of botanical sciences. Guide to field workshops of the 56th Congress of the Polish Botanical Society, June 24-30, 2013, Olsztyn, pp. 135-143.</p> <p>Brożek S., Zwydak M. 2003. Atlas of forest soils in Poland. Information center of the State Forests.</p> <p>Tobolski K. 2000. Guide for the determination of peat and lake sediments. Cheese. Vademecum Geobotanicum. Ed. Science. PWN, Warsaw.</p>	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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