

Subject card

Subject name and code	Habitat science, PG_00079855						
Field of study	Biology						
Date of commencement of studies	October 2023	Academic year of realisation of subject				2025/2026	
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					
Conducting unit							
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	0.0	15.0	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		0.0		0.0	15
Subject objectives	To learn the definition of habitat and other basic ecological concepts. To demonstrate the cause and effect relationships between habitat and biocenosis. To define and characterise soil as a multifunctional component of terrestrial ecosystems. To acquire the ability to use different habitat typologies and their practical application in environmental conservation.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOLL3_U03] the graduate is able to carry out simple tasks or research expertise typical of the biological sciences under the guidance of a supervisor	apply basic apparatus and research tools used in habitat science and maintain the correct sequence of operations in field work	[SU6] demonstration of practical skills
	[BIOLL3_U13] the graduate is able to present his/her own ideas and use adequate argumentation in the context of selected theoretical and practical perspectives	in a specialist discussion, is able to use scientific language typical for biological sciences	[SU1] oral statement/conversation/discussion
	BIOLL3_K01	strives to complete and update his/her knowledge in the field of habitat science	[SK8] observation of student's independent or team work
	BIOLL3_K08	demonstrates responsibility for the safety of his/her own work and that of others takes into account the risks arising from the applied research techniques	[SK8] observation of student's independent or team work
	BIOLL3_K03	demonstrates activity and perseverance in undertaking individual and team activities in the field of habitat scienc	[SK8] observation of student's independent or team work
	[BIOLL3_U12] the graduate is able to use Polish and foreign language specific to biology in a way that is understandable and accessible to both specialists and non-specialists	prepare written reports on selected research problems in the field of habitat science	[SU2] presentation/project/paper/report
	[BIOLL3_W05] the graduate knows the rules and describes 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 the soil) and the interactions between soil, climate and vegetation	[SW1] oral statement/conversation/discussion
	[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	is familiar with the development and current state of knowledge and the latest trends in habitat science and soil science, and how they relate to other natural sciences disciplines	[SW1] oral statement/conversation/discussion
	[BIOLL3_W15] the graduate knows in an advanced degree the rules, methods and techniques of field research in the natural environment and the possibilities of their use in nature conservation	presents the basic principles, methods and techniques of habitat-based field surveys and how they can be used in nature conservation.	[SW1] oral statement/conversation/discussion
[BIOLL3_U02] the graduate is able to make observations individually and in teams and to carry out basic physical, biological and chemical measurements in the field or laboratory,	make observations and perform basic physical measurements in the field, biological and chemical measurements related to habitat research	[SU2] presentation/project/paper/report	
Subject contents	Physical-geographical determinants of terrestrial habitat properties. The formation of soils and their properties. Influence of phytocoenoses on the functioning and diversity of soils. Recognition of selected soil types and the basis of their study. Forest habitat typology and its practical application.		
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	<ul style="list-style-type: none"> • Dobrzański B., Zawadzki S. 1995. Gleboznawstwo. PWRiL, Warszawa. • Kossakowski-Cezak U. 2000. Wstęp do meteorologii i klimatologii. Wyd. III poprawione i poszerzone. Uniwersytet Warszawski, Wydz. Geografii i Studiów Regionalnych, Zakład Klimatologii, Warszawa. • Mąkosa K., Dzierzbicki J., Gromadzki A., Kliczkowska A., Krzyżanowski A. 1994. Zasady kartowania siedlisk leśnych. Wyd. IBL, Warszawa. • Mocek A., Drzymała S., Maszner P. 1997. Geneza, analiza i klasyfikacja gleb. Wyd. Akademii Rolniczej im. A. Cieszkowskiego w Poznaniu, Poznań. • Prusinkiewicz Z. 1999. Środowisko i gleby w definicjach. Oficyna Wydawnicza Turpres, Toruń. • A.2. studiowana samodzielnie przez studenta • Bednarek R., Dziadowiec H., Pokojka U., Prusinkiewicz Z. 2004. Badania ekologiczno-gleboznawcze. Wyd. Naukowe PWN, Warszawa.
	Supplementary literature	Brożek S., Zwydak M. 2003. Atlas gleb leśnych Polski. Centrum informacyjne Lasów Państwowych.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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