

Subject card

Subject name and code	Carnivorous plants, PG_00177402						
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		Optional subject group Subject group related to scientific research in the field of study		
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	Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Krzysztof Banaś				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	15.0	0.0	0.0	15
	E-learning hours included: 0.0						
	Additional information:						
	Making experimentsSolutions to tasksWorking in groupsMultimedia presentations of theoretical issues						
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	1. Knowledge of the diversity of carnivorous plants and the specifics of their habitat conditions.2. Knowledge of evolution and mutualistic relationships with animals.3. Threats to carnivorous plants and their habitats.						

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	learns individually specific issues in the ecology of this group of plants	[SU4] test/exam - oral or written [SU6] demonstration of practical skills [SU8] observation of student's independent or team work
	[BIOLL3_W07] the graduate knows the types of natural environments (habitats) from the structural and functional point of view, selected species of flora and fauna of the coastal areas and methods and forms of nature protection	presents methods and ways to protect plants and their habitats and understands the need for their monitoring	[SW4] test/exam - oral or written
	[BIOLL3_K07] the graduate is ready to consciously apply the principles of bioethics	The student understands the need to increase his/her own competence and updates the acquired knowledge on the specific ecological characteristics of carnivorous plants and their habitats in order to protect them more effectively	[SK8] observation of student's independent or team work
	[BIOLL3_W06] the graduate has an advanced knowledge of the characteristics, systematics and evolution of selected groups of organisms including molecular basis and understands the basic concepts and mechanisms of evolution	names and classifies carnivorous plants and characterizes their habitat conditions	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
Subject contents	History of carnivorous plant research. Diversity and occurrence of carnivorous plants in the world, their evolution, habitat of carnivorous plants, characteristics of the most important genera: Aldrovanda, Dionaea, Darlingtonia, Heliamphora, Sarracenia, Nepenthes, Cephalotus, Brocchinia, Catopsis, Pinguicula, Byblis, Roridula, Drosera, Drosophyllum, Bylis, Utricularia, Genlisea. The future of carnivorous plants and their habitats.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	plant identification	51.0%	50.0%
	written colloquium	51.0%	50.0%

Recommended reading	Basic literature	Stewart McPherson, Andreas Fleischmann, Alastair Robinson 2010, Carnivorous Plants and their Habitats Vol 1 i 2, Redfern Natural History Productions Ltd Stewart McPherson, Andreas Wistuba 2011, Sarraceniaceae of South America, Redfern Natural History Productions Ltd Stewart McPherson 2008, Glistening Carnivores: The Sticky-leaved Insect-eating Plants, Redfern Natural History Productions Ltd Lowrie, A.; Nunn, R.; Robinson, A.; Bourke, G.; McPherson, S.; Fleischmann, A. Drosera of the World. Vol. 1: Oceania, Redfern Natural History Productions Ltd Lowrie, A.; Robinson, A.; Nunn, R.; Rice, B.; Bourke, G.; Gibson, R.; McPherson, S.; Fleischmann, A. 2019, Drosera of the World. Vol. 2: Oceania, Asia, Europe, North America, Redfern Natural History Productions Ltd Robinson, A.; Gibson, R.; Gonella, P.; McPherson, S.; Nunn, R.; Fleischmann, A., Drosera of the World: Vol. 3: Latin America & Africa, Redfern Natural History Productions Ltd Tim Bailey, Stewart McPherson 2016, Carnivorous Plants of Britain and Ireland, Redfern Natural History Productions Ltd Tim Bailey, Stewart McPherson 2013, Dionaea: The Venus's Flytrap, Redfern Natural History Productions Ltd Peter D'Amato 2013, The Savage Garden, Revised: Cultivating Carnivorous Plants, 2nd edition, Ten Speed Press
	Supplementary literature	none
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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