

Subject card

Subject name and code	Contemporary scientific problems in biology - science tutoring, PG_00143972						
Field of study	Natural Resources Conservation						
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	5		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Ewa Piotrowska				
	Teachers		dr Ewa Piotrowska				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	30.0	0.0	0.0	0.0	30
	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	30		6.0		14.0	50
Subject objectives	Development of discussion and proper argumentation skills. Preparation for the analysis of scientific texts. Improvement of scientific presentation skills. Establishing a foundation for critical reflection on selected issues in contemporary biology, fostering students' interests, and enhancing their ability to solve research problems. Development of peer review and self-assessment skills. Enhancing soft skills, including teamwork communication, goal setting, and time management.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[OZPL3_U12] The graduate is able to learn independently in a targeted manner	independently searches for literature, selects the necessary knowledge from it, and acquires it in a focused and purposeful manner	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU8] observation of student's independent or team work
	[OZPL3_U08] The graduate is able to use the scientific language typical of the biological sciences in discussions with specialists	discusses scientific topics using scientific language typical of the biological sciences	[SU1] oral statement/conversation/discussion [SU8] observation of student's independent or team work
	[OZPL3_U09] The graduate can prepare a properly documented study of selected biological problems	prepares well-documented studies and analyses of biological problems	[SU2] presentation/project/paper/report
	[OZPL3_W09] The graduate possesses an advanced comprehension of the current state of knowledge and the latest trends in biology, as well as their relationship to other natural disciplines	understands at an advanced level the current state of knowledge and the latest trends in biology, as well as their relationship with other natural sciences	[SW1] oral statement/conversation/discussion
	[OZPL3_U02] The graduate can read with comprehension scientific texts in the field of natural sciences in Polish and simple texts in English	reads and comprehends scientific texts in the field of natural sciences in Polish, as well as simple texts in English	[SU2] presentation/project/paper/report
	[OZPL3_K02] The graduate is ready to work effectively in a team, taking on different roles within it	works effectively in a team, taking on different roles within it	[SK8] observation of student's independent or team work
Subject contents	• Introduction to selected scientific issues in contemporary biology • Introduction to the scientific method • Public speaking • Discussion of soft skills that enhance individual and team performance: techniques for goal setting and achievement, time management, motivation, and team communication.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	self-assessment	51.0%	10.0%
	participation in class activities	51.0%	90.0%
Recommended reading	Basic literature	Weiner J, Weiner J. 2018. Technika pisania i prezentowania przyrodniczych prac naukowych. Wyd. Naukowe PWN.	
	Supplementary literature	De Sousa P.A., Perfect L., Ye J., Samuels K., Piotrowska E., Gordon M., Mate R., Abranches E., Wishart T.M., Dockrell D.H., Courtney A. Hyaluronan in mesenchymal stromal cell lineage differentiation from human pluripotent stem cells: application in serum free culture. Stem Cell Res Ther. 2024 May 3;15(1):130. doi: 10.1186/s13287-024-03719-y Piotrowska E., Bączkowska A. Readability of information on stem cell therapies: a comparison between commercial websites and scientific articles. Forum Filologiczne Ateneum. 2023;1(11): 157-178. doi: 10.36575/2353-2912/1(11)2023-10	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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