

Subject card

Subject name and code	The role of the biologist in contemporary public debate - improving scientific communication techniques, PG_00154730						
Field of study	Biology						
Date of commencement of studies	October 2025		Academic year of realisation of subject			2025/2026	
Education level	Master'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	1		Language of instruction			Polish	
Semester of study	2		ECTS credits			1.0	
Learning profile	academic		Assessment form				
Conducting unit	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	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		3.0		7.0	25
Subject objectives	To familiarise the student with selected socio-environmental problems. To form responsible, pro-social and pro-ecological attitudes in students. To familiarise the student with the features of scientific communication and the training of its tools in the process of exchange of scientific knowledge between scientists and its dissemination to the society.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[BIOLMU2_W05] the graduate understands the dynamic development of the biological sciences and is familiar with new research directions and disciplines		Recognises and understands contemporary socio-environmental issues.			[SW1] oral statement/ conversation/discussion	
	[BIOLMU2_U09] the graduate is able to write research papers in the field of the studied biological speciality in Polish and short scientific communications in English based on own research		Is able to write an essay on selected socio-environmental issues in Polish, making critical use of scientific literature and databases.			[SU3] text preparation/written work	
	[BIOLMU2_U10] the graduate is able to prepare oral presentations in Polish and foreign languages on specific subjects within the chosen specialisation		Is able to participate in discussions and provide appropriate argumentation in the context of selected issues concerning the social and natural environment			[SU1] oral statement/conversation/ discussion	
	[BIOLMU2_K04] the graduate is prepared to correctly identify and resolve dilemmas related to the profession of biology		Is sensitive to the social consequences of changes in nature and is willing to take a stance on current socio-environmental issues, to argue their position, and to seek solutions			[SK5] implementation of a problem task	

Subject contents	Identification of contemporary socio-natural problems (e.g. climate change, mass extinction of species, environmental pollution, food chemistry) and the role of the biologist in explaining their causes and consequences and seeking solutions. Improve scientific and popular science writing skills and oral presentation techniques. Exercise skills in leading and moderating scientific discussions. Introduction to the use of social media as information channels.		
Prerequisites and co-requisites	Communication proficiency in English (reading articles, listening to simple messages in English with understanding)		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	writing assignment (essay, presentation)	51.0%	50.0%
	taking part in discussion	51.0%	50.0%
Recommended reading	Basic literature	• Siuda, P., Wasylczyk P. (2018). Publikacje naukowe. Praktyczny poradnik dla studentów, doktorantów i nie tylko. Wydawnictwo Naukowe PWN • Lennart, BA. (1997). Academic writing: a university writing course. Lund: Studentlitteratur. • Kulczycki, E. (2012). Blogi i serwisy naukowe. Komunikacja naukowa w kulturze konwergencji. W: I. Sójkowska (red.). Materiały konferencyjne EBIB nr 22. Toruń: Stowarzyszenie EBIB • Kędzierska, E. (2015). Wzmocnione publikacje: nowy model wsparcia komunikacji naukowej. Zagadnienia Informatyki Naukowej- Studia Informacyjne, 53(1 (105)), 44-58. • Lenar, P. (2008). Sekrety skutecznych prezentacji multimedialnych. Wydawnictwo Helion. • Kolanowska M., Kras M., Lipińska M., Mystkowska K., Szlachetko D. L., Naczek A. M. 2017. Global warming not so harmful for all plants - response of holomycotrophic orchid species for the future climate change. Scientific Reports Vol. 7, art. no. 12704. • Tomaszczyk Jacek. (2017). Terminologia w komunikacji naukowej. W: A. Pulikowski (red.), "Kultura książki i informacji. Księga jubileuszowa dedykowana Profesor Elżbiecie Gondek" (S. 383-393). Katowice: Wydawnictwo Uniwersytetu Śląskiego	
	Supplementary literature	brak	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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