

Subject card

Subject name and code	The role of the biologist in contemporary public debate - improving scientific communication techniques, PG_00154697						
Field of study	Medical Biology						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
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	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		2.0		
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 Aleksandra Kocot				
	Teachers						
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		4.0		16.0	50
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		
	[BIOLMEDMU2_K06] is ready to solve complex ethical problems related to the profession and to determine priorities for the implementation of specific tasks		jest wrażliwy na społeczne skutki zmian w przyrodzie i jest gotów do szukania rozwiązań.		[SK5] implementation of a problem task		
	[BIOLMEDMU2_W02] is oriented to the currently debated problems in medical biology and related disciplines		Recognises and understands contemporary socio-environmental issues		[SW1] oral statement/conversation/discussion		
	[BIOLMEDMU2_U01] can proficiently, but critically, use the scientific literature and databases necessary in the activities of medical biology and related disciplines		is able to write an essay on selected socio-natural problems in Polish using scientific literature and databases in a critical way		[SU3] text preparation/written work		
	[BIOLMEDMU2_U05] has the ability to give oral speeches in Polish or foreign language and to discuss issues concerning the chosen specialization		is able to take part in discussions and make adequate arguments in the context of selected social and natural environmental problems		[SU1] oral statement/conversation/discussion		
	[BIOLMEDMU2_K07] is ready to formulate opinions on various aspects of professional activities		is sensitive to the social effects of changes in nature and is prepared to take a stand on current socio-natural issues and argue it.		[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
		51.0%	50.0%
		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., Naczka 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 • David Lindsay (1995) Dobre rady dla piszących teksty naukowe. Oficyna Wydawnicza Politechniki Warszawskiej	
	Supplementary literature	brak	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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