University of Gdańsk

Subject card

Subject name and code	The role of the biologist in contemporary public debate - improving scientific communication techniques, PG_00207352		
Field of study	Biology		
Date of commencement of studies	October 2026	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	1	Language of instruction	Polish
Semester of study	2	ECTS credits	1.0
Learning profile	academic	Assessment form	credit
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_W13] knows and understands contemporary issues relating to the application of advances in the biological sciences and is able to analyse them critically, taking into account scientific, ethical and social aspects	Recognises and critically analyses dilemmas related to the application of advances in biological sciences, taking into account their scientific, ethical and social aspects.	[SW1] oral statement/ conversation/discussion
[BIOLMU2_W05] has an in-depth knowledge and understanding of the dynamic development of the biological sciences and is well versed in new research trends and disciplines	Recognises and understands contemporary socio-environmental issues.	[SW1] oral statement/ conversation/discussion
[BIOLMU2_U10] is able to prepare oral presentations in Polish and a foreign language on specific issues related to the chosen specialization	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_U09] is able to write research papers in the field of the studied biological speciality in Polish and short scientific communications in English based on his/her 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_K04] is ready to correctly identify and resolve dilemmas related to the profession of biologist	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
writting assignment (essey, 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 Informacji 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., Naczk A. M. 2017. Global warming not soharmful for all plants - response of holomycotrophic orchid species for the future climate change. Scientific ReportsVol. 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