University of Gdańsk

Subject card

Subject name and code	Seminar III in environmental biology, PG_00147772		
Field of study	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 Specialty 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	2	Language of instruction	Polish
Semester of study	3	ECTS credits	3.0
Learning profile	academic	Assessment form	credit
Conducting unit	Faculty of Biology -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Sławomira Fryderyk	
	Teachers	dr hab. Krzysztof Banaś, prof. UG prof. dr hab. Tadeusz Namiotko prof. dr hab. Martin Kukwa prof. dr hab. Joanna Izdebska dr hab. Leszek Rolbiecki prof. dr hab. Włodzimierz Meissner prof. dr hab. Katarzyna Wojczulanis-Jakubas	

Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	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	10.0	35.0	75

Subject objectives	To deepen students' understanding of their chosen specialism and its significance for other academic disciplines. To develop students' ability to outline the objectives of their own dissertation, its structure and methodology, as well as its costs and funding options. To develop students' presentation and discussion skills.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[BIOLMU2_U08] the graduate is able to present research work in the field of the selected specialisation of biological sciences using verbal communication means and multimedia	The graduate is able to present research work in their chosen specialism using various means of communication	[SU2] presentation/project/paper/ report [SU3] text preparation/written work
[BIOLMU2_U07] the graduate is able to critically confront biological information from a variety of sources and, on this basis, draw valid conclusions	The graduate is able to critically analyse biological information from various sources and, on that basis, draw appropriate conclusions	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
[BIOLMU2_U06] the graduate is able to use the acquired expertise in the biological sciences to interpret the collected empirical data and to make inferences	The graduate is able to apply the specialist knowledge acquired in the biological sciences to interpret the results obtained and draw correct conclusions	[SU2] presentation/project/paper/ report [SU3] text preparation/written work [SU5] implementation of a problem task
[BIOLMU2_U02] the graduate is able to make proficient use of the scientific literature of the biological speciality studied	The graduate is proficient in using academic literature relating to their chosen biological specialism	[SU2] presentation/project/paper/ report [SU3] text preparation/written work
[BIOLMU2_W04] the graduate has an in-depth knowledge of the chosen specialisation in the biological sciences	The graduate has in-depth knowledge of environmental biology and related fields	[SW2] presentation/project/paper/ report [SW3] text preparation/written work
[BIOLMU2_W08] the graduate has an in-depth knowledge and understanding of the wealth of contemporary experimental approaches and techniques in the biological sciences and their use to solve the tasks at hand	The graduate has an in-depth knowledge and understanding of the variety of contemporary approaches and experimental techniques in the biological sciences, and of how to apply them to solve specific problems	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[BIOLMU2_W09] the graduate knows the costs of conducting research in the biological sciences and the most important sources of research funding	The graduate has a good understanding of the costs involved in conducting research in the biological sciences and is familiar with the main sources of funding	[SW3] text preparation/written work
[BIOLMU2_W11] the graduate has an in-depth knowledge and understanding of the legal regulations, both national and international, concerning intellectual property rights and their application in prepared and delivered speeches and works	The graduate has in-depth knowledge of national and international legal regulations concerning the protection of intellectual property and understands the principles governing their application when preparing and presenting speeches and papers.	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report [SW3] text preparation/written work
[BIOLMU2_K08] the graduate is ready to independently and collectively estimate the cost intensity of a project and select economic solutions	The graduate is able to estimate project costs, both independently and as part of a team, and to select the most cost-effective solutions	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK8] observation of student's independent or team work
[BIOLMU2_U10] the graduate is able to prepare oral presentations in Polish and foreign languages on specific subjects within the chosen specialisation	The graduate is able to prepare oral presentations in Polish and English within their chosen specialism	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
[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	The graduate is able to write research papers in the field of environmental biology in Polish and short reports in English based on the results of their own research	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU3] text preparation/written work

Subject contents

Theoretical introduction to the Master’s thesis and its cost estimate. Principles of analysis of results, interpretation, scientific discussion, and the preparation of a progress report on one’s own experimental work

Prerequisites and co-requisites

Knowledge of English sufficient to understand specialized scientific articles

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Presentations on a given topic, preparing and presenting the subject matter of the assignment in the form of multimedia presentations, and participation in the discussion	51.0%	100.0%

Recommended reading	Basic literature	Literature, consistent with the subject of the master's thesis in the field of specialization studied, is searched by the student and consulted with the thesis supervisor
	Supplementary literature	Additional literature is independently searched by the student in literature databases (including PubMed, BIOSIS, Science Direct)
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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