University of Gdańsk

Subject card

Subject name and code	MSc Seminar I, PG_00192704		
Field of study	Marine Biotechnology		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2027/2028
Education level	Master's studies	Subject group	Obligatory subject group in the field of study 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	English
Semester of study	3	ECTS credits	10.0
Learning profile	academic	Assessment form	credit
Conducting unit	Laboratory of Aquaculture -> Department of Marine Biology and Biotechnology -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Konrad Ocalewicz	
	Teachers		

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	210.0	250

Subject objectives	
	The aim of the course is to provide students with in-depth knowledge related to the work being carried out and an understanding of advanced methods used in marine biotechnology (KW_04); to develop the ability to present knowledge and engage in discussion (KU_03); and to develop the ability to critically assess own knowledge and continuously improve it (KK_01). During the course, student independently chooses the topic of the diploma thesis from one of the following areas: aquaculture, biologically active natural products of marine organisms, or molecular methods in marine biotechnology.

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<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[MBMU2-KW04] Knows and deeply understands advanced research methods used in marine biotechnology and related sciences</td><td>The student knows and understands in-depth advanced research methods and terminology used in marine biotechnology and related sciences</td><td>[SW1] oral statement/ conversation/discussion
[SW2] presentation/project/paper/ report</td></tr>
<tr><td>[MBMU2-KK01] Is ready to critically evaluate his knowledge and continuously improve, update and upgrade his skills in the field of marine biotechnology</td><td>The student is ready to critically evaluate his or her knowledge and maintain it
improving, updating and raising qualifications in the field of biotechnology
sea</td><td>[SK1] oral statement/conversation/ discussion
[SK2] presentation/project/paper/ report</td></tr>
<tr><td>[MBMU2-KU03] Can use and critically analyze available scientific information; can prepare and present - orally or in writing - a paper covering detailed problems in the field of marine biotechnology on the basis of the scientific information or their own work, with the use of scientific language, including specialized terminology and conceptual apparatus; has the ability to conduct discussions</td><td>The student is able to fluently use and critically analyze available information
scientific in the field of marine biotechnology; based on them and on the basis of his own work, he can prepare and
present an oral presentation and/ or a written presentation including detailed information
issues in the field of marine biotechnology, using scientific language, including
specialized terminology and conceptual apparatus; has the ability to lead
discussion</td><td>[SU2] presentation/project/paper/ report</td></tr>
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<tr><td>Subject contents</td><td>The course covers issues related to the early stages of preparing master's theses; from reviewing the current state of knowledge and defining the issues of the work (scientific goal, research hypotheses) by designing the experiment and analyzing the research material. While seminars will also discuss basic issues regarding the preparation, writing and editing of master's and scientific theses. Introduction to conducting research and obtaining results that will be the basis for preparing a master's thesis: - the task of scientific research is to obtain new knowledge or solve a scientific problem, - review of the current state of knowledge in the area covered by the master's thesis, - defining the purpose of the work and formulating scientific hypotheses, -designing scientific experiments: assumptions and technical possibilities of implementation. - acquiring and preparing research material and reviewing methods of its analysis,</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>discussion</td><td>51.0%</td><td>50.0%</td></tr>
<tr><td>presentation</td><td>51.0%</td><td>50.0%</td></tr>
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<tr><td>Recommended reading</td><td>
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<tr><td>Basic literature</td><td>1. Books and scientific articles related to the topic of the master's thesis
2. literature related to the prepared diploma thesis and works supporting the writing of a bachelor's thesis, e.g. Weiner J., 1998: Techniki writing and presenting scientific works on natural sciences.</td></tr>
<tr><td>Supplementary literature</td><td>How to Write a Masters Thesis: The Ultimate Guide to Writing a Masters Thesis | With Format, Guidelines, and Samples - Acknowledgement World</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>Prezentacja podstawowej pracy magisterskiej</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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