University of Gdańsk

Subject card

Subject name and code	Master's Thesis Laboratory in Marine and Atmospheric Chemistry I - laboratory, PG_00204968		
Field of study	Oceanography		
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 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	1	Language of instruction	Polish
Semester of study	2	ECTS credits	6.0
Learning profile	academic	Assessment form	credit
Conducting unit	Department of Chemical Oceanography and Marine Geology -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Dominika Saniewska, prof. UG	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	85.0	0.0	0.0	85

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	85	6.0	59.0	150

Subject objectives

Analysis of literature data related to the master's thesis; familiarizing students with the specifics of working in a research laboratory and field conditions using specialized research equipment necessary for the completion of the master's thesis; designing research as part of the thesis; mastering research methods related to the completion of the master's thesis.

<table>
<tr><td>Learning outcomes</td><td>
<table>
<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[OCEANMU2-U05] is able to use source information in Polish and a chosen foreign language, including archival and electronic databases, within the field of oceanography; critically analyzes and synthesizes information, and is capable of performing critical interpretation and synthesis of data</td><td>Able to use source literature in Polish and English, as well as archival and electronic databases on chemical oceanography and atmospheric chemistry, and to critically evaluate and synthesize them.</td><td>[SU2] presentation/project/paper/ report</td></tr>
<tr><td>[OCEANMU2-W03] has an in-depth understanding of research methods used in oceanography and related sciences, and interprets their mechanisms and interrelationships across different spatial and temporal scales</td><td>Has in-depth knowledge and understanding of research methods used in chemical oceanography and atmospheric chemistry, including sampling and sample preparation techniques and advanced analytical methods.</td><td>[SW2] presentation/project/paper/ report</td></tr>
<tr><td>[OCEANMU2-K05] is ready to follow the rules
occupational health and safety, taking care of the entrusted person specialized and recognition equipment
emergency situations and take appropriate action
activities</td><td>Prepared to comply with occupational health and safety rules in laboratories and during environmental sampling, to take care of the specialist equipment entrusted to him, and to recognize chemical and environmental hazards, taking appropriate preventive and intervention measures.</td><td>[SK8] observation of student's independent or team work</td></tr>
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<tr><td>Subject contents</td><td>The subject matter of classes and the scope of research, laboratory, field, and literature tasks are determined individually by the student and their thesis supervisor, in accordance with the subject matter and specifications of the thesis.</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>The degree of advancement of the literature study carried out as part of the master's thesis</td><td>51.0%</td><td>80.0%</td></tr>
<tr><td>Observation of the student's work</td><td>51.0%</td><td>20.0%</td></tr>
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<tr><td>Recommended reading</td><td>
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<tr><td>Basic literature</td><td>The literature is selected for each student individually, in accordance with the guidelines provided by the thesis supervisor.</td></tr>
<tr><td>Supplementary literature</td><td>The literature is selected for each student individually, in accordance with the guidelines provided by the thesis supervisor.</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>Issues relevant to the master's thesis being prepared.</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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