

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				
	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.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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	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.	[SU2] presentation/project/paper/report
	[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	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.	[SW2] presentation/project/paper/report
	[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	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.	[SK8] observation of student's independent or team work
Subject contents	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.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	The degree of advancement of the literature study carried out as part of the master's thesis	51.0%	80.0%
	Observation of the student's work	51.0%	20.0%
Recommended reading	Basic literature	The literature is selected for each student individually, in accordance with the guidelines provided by the thesis supervisor.	
	Supplementary literature	The literature is selected for each student individually, in accordance with the guidelines provided by the thesis supervisor.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Issues relevant to the master's thesis being prepared.		
Work placement	Not applicable		

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