

Subject card

Subject name and code	Marine Physics Laboratory III, PG_00206222						
Field of study	Oceanography						
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 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	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		13.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Laboratory of Physical Oceanography -> Department of Physical Oceanography and Climate Research -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Gabriela Gic-Grusza				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	135.0	0.0	0.0	135
	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	135		5.0		185.0	325
Subject objectives	Implementation of the main stage of the research for the Masters thesis: carrying out full computations/ measurements, advanced analysis and validation of results, assessment of uncertainties and limitations; integrating the outcomes into a coherent thesis narrative and preparing and editing the complete manuscript (results, discussion, conclusions) for submission.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[OCEANMU2-W09] knows and understands legal regulations regarding intellectual property rights and their application in scientific work	Student knows and understands legal regulations regarding the protection of intellectual property and the principles of their application in scientific work.	[SW1] oral statement/ conversation/discussion [SW3] text preparation/written work
	[OCEANMU2-K04] is ready to critically evaluate his/her knowledge and received content in the field of natural sciences in particular in the field of the studied specialty, a in problematic situations, supports oneself with knowledge experts	Student is prepared to critically evaluate his / her knowledge and understanding of the natural sciences, particularly marine physics. In situations requiring specialized interpretation, he/she is able to seek expert support and consult with appropriate specialists.	[SK3] text preparation/written work
	[OCEANMU2-U08] is able to prepare a study of a given issue/ problem in Polish and a selected foreign language in written form (short scientific text, documented research work) and orally (paper, presentation) and discuss with specialists on topics related to oceanographic issues, with particular emphasis on the studied specialty	Student can prepare a study in Polish and English on a given topic or problem in written form (short scientific text, documented research work) and orally (paper, presentation). Can present and justify analytical results and discuss topics related to oceanography with specialists, with particular emphasis on marine physics.	[SU3] text preparation/written work
Subject contents	The topic and scope of tasks are agreed individually with the Masters thesis supervisor, in line with the thesis subject and its specific requirements. The course includes: conducting the main research according to the adopted methodology (measurements/experiments/simulations/analyses), data cleaning and verification, advanced analysis of results with assessment of uncertainties and limitations and, where applicable, validation/modelling, preparation of final figures, tables and summaries, in-depth interpretation and discussion, formulation of conclusions, editing the complete Masters thesis manuscript, and preparing the abstract and materials for the final presentation/defence.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Progress in preparing the master's thesis manuscript	51.0%	80.0%
	Progress in research carried out as part of the master's thesis	51.0%	20.0%
Recommended reading	Basic literature	Literature is selected individually for each student, in accordance with the instructions of the thesis supervisor.	
	Supplementary literature	Literature is selected individually for each student, in accordance with the instructions of the thesis supervisor.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Questions/Problems relevant to the prepared thesis.		
Work placement	Not applicable		

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