University of Gdańsk

Subject card

Subject name and code	Graduate Course on Technical Aspects of Marine Hydrography - laboratory classes , PG_00201162						
Field of study	Marine Hydrography						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2029/2030			
Education level	Bachelor's studies		Subject group	Obligatory subject group in the field of study Optional subject group Subject group related to practical vocational preparation			
Mode of study	full-time studies		Mode of delivery	at the university			
Year of study	4		Language of instruction	Polish			
Semester of study	7		ECTS credits	10.0			
Learning profile	practical		Assessment form	credit			
Conducting unit	Department of Geophysics -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Maria Rucińska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	60.0	0.0	0.0	60
	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	60		30.0	160.0	250	
Subject objectives	Performing tasks related to engineering work in the field of technical aspects of marine hydrography.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[HML3-U01] is able to plan and conduct experiments, including computer simulations, interpret the results obtained and draw conclusions	is able to analyze and synthesize research findings and analyses, and draw valid conclusions based on them	[SU1] oral statement/conversation/ discussion [SU5] implementation of a problem task [SU8] observation of student's independent or team work
	[HML3-K01] is ready to correctly identify and resolve professional dilemmas, especially in the aspects of security and entrusted property	is ready to take full responsibility for his/her actions and to observe the principles of professional ethics and intellectual honesty, and is aware of the importance of a professional approach in any situation	[SK1] oral statement/conversation/ discussion [SK8] observation of student's independent or team work
	[HML3-W04] knows and understands, at an advanced level, the issue of measurements related to the exploration of sea basins and inland waters and tools allowing to describe, interpret and present the results of measurements	knows and understands at an advanced level the importance of basic techniques, research methods and tools used in the work of a hydrographer in order to describe and interpret phenomena and processes occurring in the aquatic environment	[SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task
	[HML3-U07] is able to effectively use information and communication techniques, including utility programs to solve professional problems	is able to use specialized computer software as well as mathematical and statistical methods to analyze data and describe phenomena and processes occurring in the marine environment	[SU1] oral statement/conversation/ discussion [SU5] implementation of a problem task [SU8] observation of student's independent or team work
	[HML3-U08] is able to independently use the professional literature available in traditional and electronic form, make an assessment, critical analysis and synthesis as well as the correct interpretation of the information obtained	is able to use source materials, in Polish and English, including archival and electronic databases, related to the topic at hand, and is capable of critically analyzing and synthesizing information	[SU5] implementation of a problem task [SU8] observation of student's independent or team work
	[HML3-U10] is able to design - in accordance with the given specification - and make a simple device, object, system or implement a process typical for the field of study, using appropriately selected methods, techniques, tools and materials	is able to complete an engineering project in accordance with the standards set out in the study program covering the technical aspects of marine hydrography	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
	[HML3-U19] is able to plan and implement independent learning and improvement of his/her professional competences	is able to plan and organize their own learning and professional development	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
	[HML3-W17] knows and understands key concepts and fundamental principles in the field of industrial property protection and copyright law	knows and understands the basic concepts and principles of copyright, is aware of the limitations arising from the protection of copyright	[SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task
Subject contents	The subject matter of the diploma course on the technical aspects of marine hydrography depends on the topic of the engineering thesis.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	evaluation of the various stages leading to the preparation of the engineering thesis	51.0%	100.0%
Recommended reading	Basic literature	Literature is selected for the student individually, according to the guidance of the engineering thesis supervisor.	
	Supplementary literature	Literature is selected for the student individually, according to the guidance of the engineering thesis supervisor.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	individually determined by the thesis supervisor		
Work placement	Not applicable		