

Subject card

Subject name and code	Safety of navigation - laboratory exercises, PG_00131505						
Field of study	Marine Hydrography						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Subject group related to practical vocational preparation		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		0.0		
Learning profile	practical		Assessment form		credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Piotr Bekier				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	7.0	0.0	0.0	0.0	7
	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	7		1.0		5.0	13
Subject objectives	1. Providing skills in identifying ships based on visible lights and signs as well as sound and light signals emitted by ships, applying rules in accordance with international maritime law. 2. Familiarization with the principles of organization and performance of navigational, anchor and port watches, as well as procedures for taking over and transferring the watch. 3. Teaching procedures and improving skills in performing a navigational watch on a ship underway and at anchor, during limited visibility and in emergency situations.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[HML3-K01] correctly identify and resolve professional dilemmas, especially in the aspects of security and entrusted property	is ready to: - Performing the duties of officer of the watch and directing a navigational watch on a ship in coastal navigation	[SK6] demonstration of practical skills
	[HML3-K04] perform professional roles responsibly, taking into account moral and ethical challenges, including in the international environment and care for the achievements and traditions of the profession	is ready to: - Performing the duties of officer of the watch and directing a navigational watch on a ship in coastal navigation	[SK6] demonstration of practical skills
	[HML3-U11] use navigation devices, means of technical observation and communication as well as measuring instruments, as well as apply in practice various techniques of measurement and observation in the field of professional activity related to the field of study	is able to: - Identify ships by visible lights and signs and by the sound and light signals they emit. - Correctly assess the meeting situation of ships at sea and practically apply sea route rules depending on the water area (high seas, narrow passage, TSS) during all visibility conditions. - Practically use information from navigation devices to assess the situation and safely maintain a watch. - Practically implement procedures related to performing a navigational watch on a ship underway and at anchor and during limited visibility in coastal navigation. - Properly apply the provisions of the maritime traffic law.	[SU6] demonstration of practical skills
	[HML3-U08] 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: - Identify ships by visible lights and signs and by the sound and light signals they emit. - Correctly assess the meeting situation of ships at sea and practically apply sea route rules depending on the water area (high seas, narrow passage, TSS) during all visibility conditions. - Practically use information from navigation devices to assess the situation and safely maintain a watch. - Practically implement procedures related to performing a navigational watch on a ship underway and at anchor and during limited visibility in coastal navigation. - Properly apply the provisions of the maritime traffic law.	[SU6] demonstration of practical skills
	[HML3-W07] principles of operation and use of measuring instruments used in professional activities related to the field of study, including the principles of their calibration and assessment of accuracy	knows: - Rules of keeping a sea, anchor and port watch and watch procedures.	[SW2] presentation/project/paper/report
	[HML3-W09] issues related to route planning, safe route determination and monitoring in accordance with international regulations, including sources of information on navigational hazards and ways of obtaining it	knows: - Rules of keeping a sea, anchor and port watch and watch procedures.	[SW2] presentation/project/paper/report

Subject contents	LIGHTS AND SIGNS, BOARDS Lights and navigation signs: purpose, functions, application.Rules of international maritime law.Liability for failure to comply with the MPDM. WATCHING PROCEDURES Sea watch, management of the navigation watch, division of duties, use of available resources.Watch staff depending on the type of watch.Cooperation between persons performing duties.Responsibility for keeping the watch.Emergency situations during the watch.		
Prerequisites and co-requisites	Subject required by the Regulation of the Minister of Infrastructure and Development of February 5, 2014, on framework training programs and examination requirements for deck department seafarers (i.e., Journal of Laws 2023, item 1566): attendance at all classes is mandatory. AMW allows students to make up for up to 20% of excused absences from these classes in a form that enables them to acquire the missing knowledge and skills. Students who have passed the course but, due to absences exceeding 20% of classes or failure to make up for classes in a form that allows them to obtain the missing knowledge and skills, do not receive an entry in the supplement confirming completion of studies recognized at the operational level in coastal shipping.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	test on the simulator	51.0%	75.0%
	report	51.0%	25.0%
Recommended reading	Basic literature	1. JURDZIŃSKI M.: Procedury wachtowe i awaryjne w nawigacji morskiej. Fundacja WSM, Gdynia 2001. 2. RYMARZ W.: Międzynarodowe Prawo Drogi Morskiej w zarysie. Trademar, Gdynia 2015. 3. ŚNIEGOCKI H.: Międzynarodowe przepisy o zapobieganiu zderzeniom na morzu. Trademar, Gdynia 2016.	
	Supplementary literature	1. International Chamber of Shipping: Bridge Procedure Guide International, 2016.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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