

**Subject card**

<b>Subject name and code</b>	Safety of navigation - laboratory exercises, PG_00131505						
<b>Field of study</b>	Marine Hydrography						
<b>Date of commencement of studies</b>	October 2024	<b>Academic year of realisation of subject</b>			2026/2027		
<b>Education level</b>	Bachelor's studies	<b>Subject group</b>			Obligatory subject group in the field of study Subject group related to practical vocational preparation		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	3	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	5	<b>ECTS credits</b>			0.0		
<b>Learning profile</b>	practical	<b>Assessment form</b>			credit		
<b>Conducting unit</b>							
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr inż. Piotr Bekier				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	0.0	7.0	0.0	0.0	0.0	7
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	<b>Participation in didactic classes included in study plan</b>		<b>Participation in consultation hours</b>		<b>Self-study</b>	<b>SUM</b>
	<b>Number of study hours</b>	7		1.0		5.0	13
<b>Subject objectives</b>	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>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.</li> </ol>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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-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-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-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
	[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

Subject contents	<p>LIGHTS AND SIGNS, BOARDS</p> <p>Lights and navigation signs: purpose, functions, application. Rules of international maritime law. Liability for failure to comply with the MPDM.</p> <p>WATCHING PROCEDURES</p> <p>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.</p>											
Prerequisites and co-requisites	<p>This subject is required by the Regulation of the Minister of Infrastructure and Development of 5 February 2014 on framework training programs and examination requirements for deck department seafarers (consolidated text: Journal of Laws of 2023, item 1566): attendance at all classes is mandatory. The Polish Naval Academy allows students to make up up to 20% of their excused absence from these classes in a way that allows them to acquire the missing knowledge and skills. Students who have passed the course but, due to absences exceeding 20% of the classes or who did not make up the classes in a way that allows them to acquire the missing knowledge and skills, will not receive an entry in the supplement confirming completion of studies recognized at the operational level in coastal navigation.</p>											
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="451 745 794 779">Subject passing criteria</th> <th data-bbox="794 745 1137 779">Passing threshold</th> <th data-bbox="1137 745 1487 779">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 779 794 813">report</td> <td data-bbox="794 779 1137 813">51.0%</td> <td data-bbox="1137 779 1487 813">25.0%</td> </tr> <tr> <td data-bbox="451 813 794 846">test on the simulator</td> <td data-bbox="794 813 1137 846">51.0%</td> <td data-bbox="1137 813 1487 846">75.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	report	51.0%	25.0%	test on the simulator	51.0%	75.0%
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Recommended reading	Basic literature	<ol style="list-style-type: none"> <li>JURDZIŃSKI M.: Procedury wachtowe i awaryjne w nawigacji morskiej. Fundacja WSM, Gdynia 2001.</li> <li>RYMARZ W.: Międzynarodowe Prawo Drogi Morskiej w zarysie. Trademar, Gdynia 2015.</li> <li>ŚNIEGOCKI H.: Międzynarodowe przepisy o zapobieganiu zderzeniom na morzu. Trademar, Gdynia 2016.</li> </ol>										
	Supplementary literature	<ol style="list-style-type: none"> <li>International Chamber of Shipping: Bridge Procedure Guide International, 2016.</li> </ol>										
	eResources addresses											
Example issues/ example questions/ tasks being completed												
Work placement	Not applicable											

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