University of Gdańsk

Subject card

Subject name and code	Safety of Navigation - laboratory classes (simulator), PG_00201129		
Field of study	Marine Hydrography		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
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	0.0	7.0	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-W09] knows and understands, at an advanced level, 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 the rules for conducting sea, anchorage, and harbor watches, as well as watch procedures	[SW2] presentation/project/paper/ report
	[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: - 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] is able to 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-K04] is ready to 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 perform the duties of a watch officer and lead the navigational watch on a ship engaged in coastal navigation	[SK6] demonstration of practical skills
	[HML3-K01] is ready to correctly identify and resolve professional dilemmas, especially in the aspects of security and entrusted property	jest gotów do pełnienia obowiązków oficera wachtowego i kierowania wachtą nawigacyjną na statku w żegludze przybrzeżnej	[SK6] demonstration of practical skills
	[HML3-W07] knows and understands, at an advanced level, 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 the rules for conducting sea, anchorage, and harbor watches, as well as watch procedures	[SW2] presentation/project/paper/ report

<table>
<tr><td>Subject contents</td><td>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.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>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.</td></tr>
<tr><td>Assessment methods and criteria</td><td><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>report</td><td>51.0%</td><td>25.0%</td></tr>
<tr><td>test on the simulator</td><td>51.0%</td><td>75.0%</td></tr>
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<tr><td>Recommended reading</td><td><table>
<tr><td>Basic literature</td><td>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.</td></tr>
<tr><td>Supplementary literature</td><td>1. International Chamber of Shipping: Bridge Procedure Guide International, 2016.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
</table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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