University of Gdańsk

Subject card

Subject name and code	Sea communication - lecture, PG_00199308						
Field of study	Marine Hydrography						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		0.0		
Learning profile	practical		Assessment form		credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Janusz Grabas				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	6.0	0.0	0.0	0.0	0.0	6
	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	6		1.0		3.0	10
Subject objectives	To familiarise students with:the use of the MKS, the principles of transmitting and receiving light and sound signals and using signal flags in accordance with the MKS,reporting systems, maritime radiocommunication, the tasks of the maritime mobile service, the order of priority of communications, radio regulations, shipboard radio documents and publications: determining data for communications, conducting communications in distress and for safety at sea.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[HML3-K02] is ready to correctly determine the priorities in professional work for the implementation of a task specified by himself/ herself or others	is able to prioritize communication based on the tasks at hand	[SK4] test/exam - oral or written
[HML3-K01] is ready to correctly identify and resolve professional dilemmas, especially in the aspects of security and entrusted property	is ready to correctly identify and resolve issues related to the use of communication tools	[SK4] test/exam - oral or written
[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 principles of transmitting and receiving sound, light and flag signals in accordance with the MKS; types and order of priority of radio communications; service documents and publications; principles of using the VHF band; basic communications regulations and procedures for the GMDSS	[SW4] test/exam - oral or written
[HML3-W02] knows and understands, at an advanced level, selected phenomena and processes occurring in the hydrosphere, atmosphere, lithosphere and biosphere, their interconnections and relations, as well as practical applications of this knowledge in professional activities related to the field of study	knows: the principles of transmitting and receiving sound, light and flag signals in accordance with the MKS; types and order of priority of radio communications; service documents and publications; principles of using the VHF band; basic communications regulations and procedures for the GMDSS	[SW4] test/exam - oral or written

Subject contents

Receiving and transmitting sound and light signals.

MKS, flag signalling, use of letter signals.

Reporting systems.

General maritime radiocommunication issues:

- characteristics of the maritime mobile service,
- frequency bands used,
- types and designations of radio emissions,
- priority order of radio communications,
- identification of radio stations,
- service documents and publications.

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
colloquium	51.0%	100.0%

Recommended reading

Basic literature

CZAJKOWSKI J., KORCZ K.: Podręcznik operatora radiotelefonisty VHF i operatora w służbie śródlądowej. Gdańsk 2008 (in Polish)
CZAJKOWSKI J.: System GMDSS regulaminy, procedury i obsługa. Skryba, Gdańsk 2002. (in Polish)
Międzynarodowy Kod Sygnałowy. Wydawnictwo Morskie, Gdańsk 1990. (in Polish)/ International Code of Signals. IMO 2005

	Supplementary literature	Radio Regulations. ITU, Genewa 2016. Solas Consolidated Edition 2001, International Maritime Organization, London.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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