University of Gdańsk

Subject card

Subject name and code	Meteorology II - lecture, PG_00181441		
Field of study	Marine Hydrography		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2024/2025
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	2	Language of instruction	Polish
Semester of study	3	ECTS credits	1.0
Learning profile	practical	Assessment form	credit
Conducting unit			
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Piotr Bekier	
	Teachers	dr inż. Piotr Bekier	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	0.0	0.0	15

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	15	1.0	9.0	25

Subject objectives

As a result of the training, the trainee should acquire:

a) knowledge in the following areas:
- the functioning of the atmosphere and sea and the interaction of both subsystems;
- measurement equipment used in meteorological observations at sea;
- principles of conducting meteorological and hydrological observations.

b) skills in the following areas:
- using measurement equipment;
- using observation scales correctly;
- determining the true wind based on the apparent wind.

Learning outcomes

Course outcome	Subject outcome	Method of verification

<table>
<tr><td>Subject contents</td><td>1. Observed and measured weather elements.
2. Air temperature.
3. Air humidity.
4. Cloud types.
5. Precipitation.
6. Fog and mist.
7. Visibility.
8. Atmospheric pressure.
9. Pressure systems, atmospheric fronts.
10. Ice phenomena.
11. Local winds.
12. Receiving and interpreting weather information on board.
13. Principles of meteorological measurements and observations.
14. Completing the ship's logbook and hydrometeorological observation log.</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>written test</td><td>51.0%</td><td>50.0%</td></tr><tr><td>report</td><td>51.0%</td><td>50.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td></td></tr><tr><td>Supplementary literature</td><td>1. REYNOLDS R.: Guide to weather. 2004.</td></tr><tr><td>eResources addresses</td><td></td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>1. Describe/discuss the vertical structure of the atmosphere.
2. Provide a practical interpretation of the laws of radiation.
3. How to read a synoptic map?</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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