



Subject card

Subject name and code	The operation of ports and logistic centers, PG_00055339						
Field of study	Transport and Logistics						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	6	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Zakład Wyposażenia Okrętu -> Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Kazimierz Czapczyk				
	Teachers		dr inż. Kazimierz Czapczyk				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	30.0	60
	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	60		6.0		34.0	100
Subject objectives	Introduction to the issues of setting up, construction, functioning, exploitation of ports and logistics centers, as well as certification, taking into account practical formal, legal and technical and operational aspects.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W08] has knowledge regarding the principles of sustainable development		The student knows the costs involved in the operation of the port and its reloading terminal and logistics centers. He has general knowledge of the trends in the development of water and land transport, and knows safety and quality management systems.		[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		
	[K6_U05] can formulate a simple engineering task and its specification within the range of design, construction and operation of means and systems of transport		The student knows the basic elements of infrastructure and superstructure of ports, terminals and logistic centers. In addition, the student has theoretical knowledge in the field of international legal regulations concerning the operation of ports and traffic engineering.		[SU3] Assessment of ability to use knowledge gained from the subject [SU1] Assessment of task fulfilment		
	[K6_W05] has an organized knowledge on design, construction and operation of means and systems of transport		The student has knowledge of the infrastructure and superstructure of ports, sea and land terminals and logistics centers, in particular the basics of design, construction and maintenance. He knows the general characteristics of shipping services and the principles of operation of rescue.		[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		

Subject contents	<p>Formal and legal basis for the operation of ports, terminals and logistic centers. Basic information in terms of the needs of the means of transport. What is a port, a terminal and a logistics center as transport links and a place where various modes of transport are connected, as well as the sea in general with the land. Cargo transportation in liner and non-linear shipping. Time charter, transport vessel inspections and necessary documents. Booking contract, transport contract, line conditions, Bill of lading (characteristics, meaning, types, basic clauses), guarantee letter, sea waybill, charter for free places, load list, helmsman's note, charter contract, charter for a trip and its types, types inspection. Documents: ID, classification, security, sanitary, crew, passenger, cargo, logs, books and plans.</p> <p>Infrastructure and superstructure of ports, land and sea terminals as well as logistic centers, including hydrotechnical structures. All facilities and devices that allow access to the port from the sea and land, including water basins and land areas, related to the conduct of port activities (elements of avanport and aquaport, port entrance, external and internal port channels, roadstead, braking distance, turntable, port basins).</p>											
Prerequisites and co-requisites												
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="453 562 794 595">Subject passing criteria</th> <th data-bbox="799 562 1141 595">Passing threshold</th> <th data-bbox="1145 562 1493 595">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="453 602 794 636">Seminar</td> <td data-bbox="799 602 1141 636">60.0%</td> <td data-bbox="1145 602 1493 636">50.0%</td> </tr> <tr> <td data-bbox="453 642 794 676">Lecture</td> <td data-bbox="799 642 1141 676">60.0%</td> <td data-bbox="1145 642 1493 676">50.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Seminar	60.0%	50.0%	Lecture	60.0%	50.0%
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Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> <li data-bbox="453 1503 1493 1536">1. Determining the basic parameters of the terminal and logistics center.</li> <li data-bbox="453 1599 1493 1632">2. Knowledge of port documentation.</li> <li data-bbox="453 1695 1493 1729">3. Knowledge of basic mathematical models in the field of general assessment of the functioning of the terminal and logistics center.</li> <li data-bbox="453 1792 1493 1825">4. Possibilities of optimization of selected processes in the operation of ports, transshipment terminals and logistic centers.</li> </ol>											
Work placement	Not applicable											