



Subject card

Subject name and code	Logistics terminals, PG_00064986						
Field of study	Terminale logistyczne						
Date of commencement of studies	February 2025		Academic year of realisation of subject		2025/2026		
Education level	second-cycle studies		Subject group		Obligatory subject group in the field of study 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	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Division of Hydromechanics and Ship Design -> Institute of Naval Architecture -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Ievgen Medvediev				
	Teachers		dr inż. Ievgen Medvediev				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	30.0	0.0	45
	E-learning hours included: 0.0						
	eNauczanie source address: https://enauczanie.pg.edu.pl/2025/course/view.php?id=1837						
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	45		8.0		22.0	75
Subject objectives	The aim of the course is to enable the student to acquire competencies in understanding the principles of operation of logistics terminals, as well as the ability to analyze, design, and organize processes taking place in transport terminals. The student gains knowledge that allows for the assessment of terminal efficiency and the application of learned methods and tools to solve practical problems in the field of logistics and transportation.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_U02] formulates and tests hypotheses concerning problems of transport systems and processes, as well as simple research problems	The student uses learned analytical methods and tools as well as mathematical models to assess the operational efficiency of a logistics terminal, including throughput, operating costs and resource utilization.	[SU2] Ocena umiejętności analizy informacji
	[K7_W04] demonstrates knowledge encompassing selected issues in the field of advanced detailed knowledge, particularly in the scope of methods, techniques and tools specific to Transport and Logistics	The student has detailed knowledge of the methods and techniques of organizing and managing the work of logistics terminals, including transshipment processes, warehousing, handling of cargo units and the use of modern IT tools supporting terminal management.	[SW2] Ocena wiedzy zawartej w prezentacji
	[K7_U04] creatively designs or modifies, either entirely or at least in part, a transport system or process according to a given specification, considering both technical and non-technical aspects, estimating costs and utilizing design techniques appropriate for tasks within the scope of Transport and Logistics	The student designs or modifies the functional layout and operational processes of a logistics terminal (e.g. container, road-rail or intermodal terminal), taking into account technical, economic and organizational aspects and using appropriate design methods specific to logistics.	[SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu
	[K7_W02] demonstrates structured and theory supported knowledge encompassing key issues in the field of Transport and Logistics, enabling modeling and analysis of transport systems and processes	The student explains and describes the structure, functions and principles of operation of logistics terminals as elements of the transport system.	[SW2] Ocena wiedzy zawartej w prezentacji
Subject contents	Course content – lecture 1. Classification of Combined Transport Terminals 2. Infrastructure of Combined Transport Terminals 3. Transshipment Equipment of Combined Transport Terminals 4. Cargo Handling Processes in Combined Transport Terminals 5. Transshipment Efficiency Measures of Combined Transport Terminals 6. Summary		
	Course content – project 1. Characterization of a logistics terminal 2. Terminal service processes 3. Transshipment efficiency measures for combined transport terminals		

Prerequisites and co-requisites	Students taking the course should: 1. Have basic knowledge of: the operation of transport and logistics systems, transport and warehousing infrastructure, the organization and management of logistics processes in an enterprise. 2. Understand the principles of operation of individual modes of transport (road, rail, sea, air) and their importance in the supply chain. 3. Know the basic concepts and methods of: planning and implementing cargo flows, transshipment and warehousing technologies, analysis and evaluation of logistics processes. 4. Have practical skills in: using IT tools supporting logistics processes, performing simple calculations and analyses of throughput and transport and warehousing costs. 5. Demonstrate a willingness to work in a team and solve complex engineering problems in the area of logistics and transport.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Projekt	50.0%	50.0%
	Lectures	50.0%	50.0%
Recommended reading	Basic literature	-	
	Supplementary literature	-	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Practical activities within the subject	Not applicable		

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