



## Subject card

Subject name and code	Logistics and Warehouse Centers, PG_00044654						
Field of study	Transport						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2024/2025		
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			exam		
Conducting unit	Department Of Transportation Engineering -> Faculty Of Civil And Environmental Engineering -> Wydział Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor	dr Justyna Staszak-Winkler					
	Teachers	dr Justyna Staszak-Winkler dr hab. Daniel Kaszubowski dr inż. Łukasz Jeliński					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	0.0	0.0	0.0	45
	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	45	10.0		45.0		100
Subject objectives	Presentation of the principles of logistics network operation and the planning of selected functional parameters. Identification of key points in logistics networks, such as logistics and warehouse centers, indicating the differences between various types of logistics facilities and the factors influencing their location. Presentation of the role of logistics and warehouse centers in the National Logistics System of Poland.						
Learning outcomes	Course outcome	Subject outcome		Method of verification			
	[K6_W17] has proficiency in transport systems as appropriate for their specialty	The ability to identify elements of the logistics network and determine the parameters affecting its efficiency.		[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation			
	[K6_U12] able to select tools and methods, carry out assessments and simple tests of transport systems to an extent required of the specialty / learning profile	The ability to select the criteria for the location of a logistics center and determine its basic functional parameters.		[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject			

Subject contents	1. Definition of logistics networks 2. Examples of logistics networks based on the industry served 3. Definition of a logistics center 4. Principles of planning and locating logistics centers 5. Examples of logistics centers in the country and abroad, and principles of their organization 6. Planning methods in logistics 7. Requirements for creating an integrated supply chain and network 8. Efficiency and demand analysis in the supply network 9. Demand planning at supply network hubs 10. Analysis of turnover and conditions for external transport at supply network hubs		
Prerequisites and co-requisites	<b>Basics of logistics</b> <b>Logistics management</b>		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exercises	60.0%	40.0%
	lecture (test)	60.0%	60.0%
Recommended reading	Basic literature	1. B. Śliwczyński: Planowanie logistyczne. Instytut Logistyki i Magazynowania, Poznań 2008 2. I. Fechner: Centra logistyczne. Instytut Logistyki i Magazynowania, Poznań 2004 3. P. Kryś: Metoda oceny funkcjonowania centrów logistycznych. Oficyna Wydawnicza Politechniki Warszawskiej. Warszawa 2020. 4. M. Cieśliński: Sieci w gospodarce. PWE, Warszawa 2013	
	Supplementary literature	<b>Industry literature</b> <b>Scientific articles</b>	
	eResources addresses	Adresy na platformie eNauczenie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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