



## Subject card

Subject name and code	Logistics and Warehouse Centers, PG_00044654						
Field of study	Transport						
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			exam		
Conducting unit	Department of Transportation Engineering -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor	dr Justyna Staszak-Winkler					
	Teachers						
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 operation of logistics networks and the principles of planning selected functional parameters. Identification of nodal points in logistics networks such as logistics and warehouse centers, indicating the differences between the various types of facilities logistics and the conditions of 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	Ability to point elements of the logistics network, and determine the parameters affecting its effectiveness.			[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		
	[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	Ability to select criteria the location of the logistics center and define it basic functional parameters.			[SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information		
Subject contents	1. Definition of logistics networks 2. Examples of logistics networks depending on the industry served 3. Definition of a logistics center 4. Principles of planning and location of logistics centers 5. Examples of logistics centers in Poland and other EU countries 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 in the nodes of the supply network 10. Analysis of the turnover and conditions for external transport at nodal points of the supply network						
Prerequisites and co-requisites	Basics of logistics						
	Logistics management						
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	wykład (test)	60.0%			60.0%		
	ćwiczenia	60.0%			40.0%		

Recommended reading	Basic literature	<p>1. B. Śliwczyński: Planowanie logistyczne. Instytut Logistyki i Magazynowania, Poznań 2008</p> <p>2. I. Fechner: Centra logistyczne. Instytut Logistyki i Magazynowania, Poznań 2004</p> <p>3. P. Kryś: Metoda oceny funkcjonowania centrów logistycznych. Oficyna Wydawnicza Politechniki Warszawskiej. Warszawa 2020.</p> <p>4. M. Cieśliński: Sieci w gospodarce. PWE, Warszawa 2013</p>
	Supplementary literature	Scientific articles
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	