



## Subject card

Subject name and code	, PG_00065235						
Field of study	Transport						
Date of commencement of studies	February 2024		Academic year of realisation of subject			2024/2025	
Education level	second-cycle studies		Subject group				
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			2.0	
Learning profile	general academic profile		Assessment form			assessment	
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		mgr inż. Łukasz Jeliński dr Justyna Staszak-Winkler				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	0.0	0.0	0.0	30
	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	30		0.0		0.0	30
Subject objectives	The aim of the course is to familiarize students with the processes of managing the flow of goods from the manufacturer to the final recipient. Students will gain knowledge about distribution processes, their optimization, decision-making in the selection of distribution strategies, and effective cooperation with logistics partners.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[K7_K01] recognizes the importance of knowledge related to the field of study in solving cognitive and practical problems		The student is able to identify and describe key phenomena and trends in distribution logistics, such as changes in the supply chain, development of transport technologies The student is able to assess the impact of external phenomena on logistics processes, adapting distribution strategies to changing market conditions.			[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness	
	[K7_W01] identifies in an in-depth way phenomena related to the field of study as well as theories describing them and possible methods of analyzing processes occurring in the life cycle of technical systems		The student is able to interpret the results of analyses, drawing conclusions regarding the effectiveness of logistics processes and recommending improvement actions.			[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation	
	[K7_U05] cooperates with other people in the implementation of team work, both as a leader and a team member, effectively achieving set goals		The student cooperates with other team members, actively participating in discussions and decision-making processes regarding distribution logistics, and demonstrates initiative and commitment in the implementation of tasks.			[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task	

Subject contents	<p>1. <b>Introduction to distribution logistics</b> (including distribution as a subject of logistics and marketing activities/ distribution in supply networks and chains/ functions and tasks of distribution)</p> <p>2. <b>Distribution channels</b> (including classification of distribution channels/ types of distribution channels/ participants in distribution channels/ role of transport in the functioning of distribution channels/ assessment of the effectiveness of distribution channels)</p> <p>3. <b>Elements of logistics customer service in distribution networks</b> (including assessment of entities in the distribution network/ the concept of Effective Customer Service (ECR)/ SERVQUAL method/ measures of logistics customer service/ positioning of customer service strategies)</p> <p>4. <b>Process optimization in distribution logistics on selected examples</b></p> <p>5. <b>Organizational solutions in distribution logistics</b> (including solutions supporting distribution operations/ planning of distribution needs DRP/cross-docking/sharing distribution/merge-in-transit)</p> <p>6. <b>Distribution models of online stores</b> (including dropshipping/extended shopping/fulfillment)</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		60.0%	50.0%
		60.0%	50.0%
Recommended reading	Basic literature	A. Łapko, N. Wagner: Logistyka dystrybucji. Trendy-wyzwania-przykłady, Ce-De-Wu, Warszawa 2021	
		M. Frankowska, M. Jedliński: Efektywność systemu dystrybucji, PWE, Warszawa 2011	
		M. Kramarz: Elementy logistyczne obsługi klienta w sieciach dystrybucji. Pomiar, ocena, strategie, Difin, Warszawa 2014	
	Supplementary literature	industry literature	
		scientific articles	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	Analysis of different types of distribution channels and their impact on logistics efficiency		
	The impact of distribution logistics on customer service levels and building relationships with recipients		
	The specifics of logistics in e-commerce, challenges related to deliveries		
Work placement	Not applicable		

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