



## Subject card

Subject name and code	Supply chain logistics, PG_00057111						
Field of study	Transport and Logistics						
Date of commencement of studies	February 2023		Academic year of realisation of subject		2022/2023		
Education level	second-cycle studies		Subject group		Obligatory subject group 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	1		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Anna Dembicka				
	Teachers		dr Anna Dembicka  mgr inż. Wojciech Olszewski				
Lesson types and methods of instruction	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						
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		9.0		21.0	75
Subject objectives	Understanding the logistics processes in supply chain management in the structure of a modern company.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_U07] The student is able to formulate the basic assumptions of transport policy at the EU, national, regional and local level		The student understands the basic assumptions of transport policy at the national and global level.		[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject		
	[K7_U05] The student is able to make a preliminary economic analysis of transport investments, indicate detailed legal provisions and industry regulations		The student is able to analyze industry, investment and legal issues related to transport.		[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information		
	[K7_W07] The student has an extensive knowledge of logistics, traffic engineering and transport management		The student has detailed knowledge of the relationship between logistics and transport.		[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		

Subject contents	The concept of logistics, stages of development - factors determining the development and functions of logistics. Forms of logistics integration - product and geographic. Logistics process management (logistics management tools). Logistics system in enterprise management. Transport and logistics points (ports, intermodal terminals, distribution centers, logistics centers). Logistics centers in intermodal transport and supply chain structures. Logistics center as part of the logistics network. Logistics and the supply chain. Replacing the theory of logistics with the theory of supply chain management - as a response to the network environment of contemporary organizations. The genesis and essence of supply chains (supply of raw materials and components, producer, distributor, seller, end customer) and its components (transport chains). Processes in supply chains. Supply chain management. Supply chain and logistic chain (logistic networks) - coordination of activities for mutual benefit. Value chain. Eurologistics and Euro-supply chains. Socially responsible supply chains, circular economy in supply chains. Supply Chain Innovation. Digital solutions in supply chains, smart logistics concept (intelligent logistics), intelligent chains. Flexible, slim, agile, resilient and hybrid supply chain. Risk in supply chains Forwarding in supply chains Determinants of supply chain transformation. Evolution of supply chains - global economic areas (factory Asia, Europe, North America).		
Prerequisites and co-requisites	basic knowledge of transport and logistics		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		60.0%	40.0%
		60.0%	60.0%
Recommended reading	Basic literature	J. Witkowski, Zarządzanie łańcuchem dostaw, PWE, Warszawa 2010.  P. Blaik, Logistyka. PWE, Warszawa 2017.  A. Szymonik, R. Stanisławski, A. Błaszczuk, Nowoczesna koncepcja ekologii, Difin, Warszawa 2021.  E. Kulińska, M. Dendera-Gruszka, Zarządzanie ryzykiem łańcuchów dostaw, Difin, Warszawa 2019.	
	Supplementary literature	I. Wasilewska-Marszałkowska, Spedycja we współczesnych łańcuchach dostaw, CeDeWu, Warszawa 2022.  J. Neider, Transport międzynarodowy, PWE, Warszawa 2019.  M. Ziółko, D. Dziedzic, Transport i łańcuchy dostaw w czasie pandemii, CeDeWu, Warszawa 2021.	
	eResources addresses	Adresy na platformie eNauczanie: Logistyka łańcuchów dostaw, (PG_00057111), W, TiL, sem. 01, letni 22/23 - Moodle ID: 29100 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29100">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29100</a> Logistyka łańcuchów dostaw, (PG_00057111), W, TiL, sem. 01, letni 22/23 - Moodle ID: 29100 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29100">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29100</a>	
Example issues/ example questions/ tasks being completed	transport, logistics, supply chains, supply chain logistics, supply chain logistics		
Work placement	Not applicable		