



## Subject card

Subject name and code	INDUSTRIAL LOGISTICS, PG_00061374						
Field of study	Engineering Management						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2027/2028		
Education level	first-cycle studies		Subject group		Optional subject group		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department Of Management Engineering And Quality -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		mgr Anna Wendt				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	30.0	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		5.0		25.0	75
Subject objectives	Analyzes logistics chains and networks using modern methods, tools and technical solutions						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_K03] demonstrates the ability to think critically and analytically and integrates knowledge from many disciplines in order to make effective decisions		shows a critical approach to the issues of industrial logistics, integrating technical knowledge with the areas of management and IT		[SK5] Assessment of ability to solve problems that arise in practice		
	[K6_U06] acquires new knowledge by planning own development conducive to achieving the set goals		extends advanced knowledge in the field of study with new areas of industrial logistics		[SU3] Assessment of ability to use knowledge gained from the subject		
Subject contents	Introduction to logistics. Concepts Analysis and design of logistics chains and networks Logistic strategy Logistics costs Logistics quality Logistics decisions Outsourcing of logistics services CRM. Demand. Demand forecasting methods Procurement logistics. Production logistics. Distribution logistics Inventory management in the logistics system Time management in logistics processes MRP. JIT. Logistics information systems. Barcodes. RFID. GSM. IT systems Storage, handling of materials, packaging. distribution centers. Technical means Transport management. Types of transport. Means of transport. Infrastructure Designing and improving the logistics network						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Presentation		60.0%		20.0%		
	Reports		60.0%		70.0%		
	Activity		60.0%		10.0%		
Recommended reading	Basic literature		Skowronek C., Sarjusz - Wolski Z.: Logistyka w przedsiębiorstwie. Warszawa, 2012 S. Kauf, I. Pisz, Logistyka w naukach o zarządzaniu, część II, Przedsiębiorczość i Zarządzanie, Łódź- Warszawa 2017				

	Supplementary literature	Abt Stefan, Zarządzanie logistyczne w przedsiębiorstwie, PWE, Warszawa, 1998 Fertsch M. Logistyka produkcji; Biblioteka Logistyka; 2003 Pozwól klientom napędzać łańcuch dostaw twojej firmy, Krzysztof Rutkowski, Harvard Business Review Polska 2006
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Determining the volume of demand (forecasting methods) ABC/XYZ analysis EOQ (Economic Order Quantity) - The optimal size of the delivery lot. ROP (re-order point) - ordering level model (order point) MRP (Material Requirements Planning) - Material requirements planning Transport - choosing means of transport SCM, Eurologistics, VMI, CRM, Outsourcing, Distribution centers, GPS, Indermodal Transport, Containers, New warehouse techniques, JiT, Lean Management, Ecologistics	
Work placement	Not applicable	

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