GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	INDUSTRIAL LOGISTICS, PG_00061483		
Field of study	Engineering Management		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2026/2027
Education level	first-cycle studies	Subject group	Optional subject group
Mode of study	Part-time studies (on-line)	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	mgr Anna Wendt	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	8.0	16.0	0.0	0.0	0.0	24

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	24	5.0	46.0	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_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
[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

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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