GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	LOGISTICS MANAGEMENT, PG_00061169		
Field of study	Management		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2025/2026
Education level	first-cycle studies	Subject group	Obligatory subject group in the field of study
			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	1	Language of instruction	English
Semester of study	2	ECTS credits	4.0
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	Magdalena Laskowska	
	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	8.0	47.0	100

Subject objectives	The aim of the course is to develop skills in the analysis and design of supply chain management structure,supply chain management and its improvement.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_W03] identifies reliable sources of information relevant to the analyzed issues	correctly defines the components of the logistics process, obtaining reliable information needed for its analysis, improvement and design as well as making responsible operational decisions	[SW1] Assessment of factual knowledge
	[K6_U05] designs innovative solutions to difficult problems, achieving economic and socially valuable results	designs a structure of supply chain, using appropriate methods to select resources, meet deadlines and analyze costs, carrying out a critical assessment of individual stages	[SU4] Assessment of ability to use methods and tools

Subject contents	LECTURE and EXERCISES
	• Introduction to Logistics and Supply Chain Management • Key Costs and indicators in Supply Chain Management • Lean Supply Chain Management. Simulation Game • Determinants of Supply Chain Flow: Speed, Flexibility, Variability, Frequency • Supply chain structure management methods: DTO, MTO, ATO, MTS • Determining inventory using the method: kanban, re-order point and heijunka • Supply Chain Planning TEAM PROJECTS: • Customer Service • S&OP Planning • MPS Planning • ProductionS cheduling • Production Flow Control • Distribution • Sourcing • Purchasing • Transport (all types)Remanufacturing Logistics

Prerequisites and co-requisites	Advanced level of Excel skills including: pivot tables, all types of conditional formulas, and lookups.

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Theoretical and Practical Quizzes	60.0%	50.0%
	Optional tasks	60.0%	20.0%
	Team project	60.0%	30.0%

Recommended reading	Basic literature	Duggan K.J., Creating mixed model value streams, second edition, Productivity Press 2012 Kanban Just-in Time at Toyota: Management Begins at the Workplace, Japan Management Association, 1986
	Supplementary literature	A. Weele, F. Rozemeijer Procurement and Supply Chain Management, Cengage Learning EMEA, 2022T.F Wallace,, Sales and Operations Planning The How-To Handbook, Steelwedge Software, 2008
	eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	• Simulated supply chain management • Logistics decision problems based on finances • Supply chain modeling • Selection of inventory determination methods • Determining inventory levels using the kanban, re-order point and heijunka methods

Work placement	Not applicable

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