GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	LOGISTICS MANAGEMENT, PG_00061169		
Field of study	Management		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2024/2025
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	Katedra Inżynierii Zarządzania i Jakości -> Faculty of Management and Economics		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Joanna Czerska	
	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

Analyzes the key factors affecting the effective functioning of logistics systems in the context of their design, improvement and management

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U05] designs innovative solutions to difficult problems, achieving economic and socially valuable results	designs complex logistics processes, 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
[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

<table>
<tr><td>Subject contents</td><td>LECTURE
Introduction to logistics management
Key costs and indicators in logistics management
Supply chain management
Simulation game
Push-vs-pull system
Flow determinants in the supply chain: Speed, flexibility, volatility, frequency
Inventory management: Inventory management methods: DTO, MTO, ATO, MTS
Inventory management: Determine inventory levels
Planning in the supply chain

EXERCISES
Customer service
S&OP planning
MPS planning
Work Scheduling
Production flow control
Distribution
Sourcing
Purchasing
Transportation (all types)
Remanufacturing logistics</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Theoretical and Practical Quizzes</td><td>60.0%</td><td>50.0%</td></tr>
<tr><td>Optional tasks</td><td>60.0%</td><td>20.0%</td></tr>
<tr><td>Team project</td><td>60.0%</td><td>30.0%</td></tr>
</table></td></tr>
<tr><td>Recommended reading</td><td><table>
<tr><td>Basic literature</td><td>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</td></tr>
<tr><td>Supplementary literature</td><td>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</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
</table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>Logistical decision problems
Logistics chain integration
Logistics services</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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