University of Gdańsk

Subject card

Subject name and code	Business logistics , PG_00198986						
Field of study	Economics						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group 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	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		4.0		
Learning profile	academic		Assessment form		exam		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Leszek Reszka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	0.0	10.0	0.0	40
	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	40		0.0		60.0	100
Subject objectives	The aim of the course is to provide knowledge of the basics of logistics, to present the importance of logistic processes and systems in the functioning of economic processes, to present selected methods of logistics management and the ability to use them in practice. By preparing projects, students develop the ability to work in a team.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONL3_K03] participates in the preparation of economic and social projects, being able to reconcile legal, economic, ecological, political and social requirements	The student is able to carry out project tasks related to logistics and consult their assumptions and progress with the course instructor during consultation hours and project sessions. Project sessions are included in the course schedule, while the dates and locations of duty hours are published on the University of Gdańsk website: ttps://old.ug.edu.pl/pracownik/2458/leszek_reszka	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report
	[EKONL3_W01] has advanced knowledge of the nature of social sciences, their place in the system of sciences, knows the role of economic sciences in this system and uses universal economic terminology	The student acquires knowledge of the logistics support of the organisation.	[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[EKONL3_U10] has the ability to prepare oral presentations, in Polish and in a foreign language, on economic and social issues, using specialist terminology, theoretical approaches, principles of collecting various sources of data, their description and interpretation, and making inferences from scientific literature, and is able to take an active part in a debate	The student is able to develop and deliver oral presentations on logistics-related topics.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[EKONL3_W09] has an advanced knowledge of the evolution of theories describing economic entities and organisations as well as public institutions, and has an advanced knowledge of functional links within them	The student has advanced knowledge of the evolution of logistics.	[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[EKONL3_U13] be able to interact and work in a group (including an international one), assuming various roles within it	The student is able to participate effectively in team collaboration, including in an international environment.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[EKONL3_U04] can predict and forecast the course of economic and social processes and phenomena	The student is able to anticipate how logistics processes and systems will unfold within an enterprise.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[EKONL3_W08] has an advanced knowledge of the processes of changing elements, enterprises and whole structures of economic organisations, as well as the processes of changing social institutions, knows what their causes, course, scale, consequences are and what the influence of external stakeholders is on them	The student has knowledge of main and logistics processes taking place in enterprises and understands how these processes may change.	[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[EKONL3_U03] is able to analyse the causes and course of specific economic and social processes and phenomena, and accurately analyse these phenomena using adequate methods and tools economic and social	The student is able to identify and evaluate the causes and course of selected logistics processes and systems operating within an enterprise.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work

<table>
<tr><td>Subject contents</td><td>1) Essence and subject matter of logistics
- definition and objectives of logistics
- servicing and integrating functions of logistics
- team project on the logistics processes and system of a selected business entity
- components of a logistics support system
- team project on the components of logistics support system of a selected business entity
- microeconomic and macroeconomic aspects of logistics
2) Demand in logistics
- Primary and secondary demand in logistics
- significance of primary demand in the logistical support system of the enterprise
- determinants of secondary demand
- The essence of IT material demand planning systems
- Zeparde Gozinto graph
3) Optimisation of delivery volume
- optimisation versus sub-optimisation
- Essence, functions and factors of stock formation
- Inventory control models
- split point concept
4) Assessment and selection of supplier or contractor
- identification of potential suppliers or contractors
- definition of basic selection criteria and parameters
- determination of scoring rules for individual criteria and parameters
- introduction of possible weightings for individual criteria and parameters
- calculate a summary score for each supplier
- make a decision on the selection of the supplier or contractor
5) Logistic costing
- global costing
- ABC as a method for logistics process management
- company logistics cost budgeting

6) Team project on the application of logistics methods in a selected business entity

7) Practical Applications of Logistics
- part of the classes are taught by representatives of the business community</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>basic economic knowledge</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>active participation in luctures and sclasses (extra points possible)</td><td>51.0%</td><td>10.0%</td></tr>
<tr><td>project</td><td>51.0%</td><td>30.0%</td></tr>
<tr><td>test</td><td>51.0%</td><td>60.0%</td></tr>
</table>
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<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>• M. Chaberek, Ład logistyczny w gospodarowaniu, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2020.
• L. Reszka, Decyzje menedżerskie w logistyce, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2019.
• Modelowanie procesów i systemów logistycznych, cz. I - XXII pod red. M. Chaberka, A. Jezierskiego, C. Mańkowskiego i L. Reszki, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2001-2021.</td></tr>
<tr><td>Supplementary literature</td><td>• G. Richards, S. Grinsted, The Logistics and Supply Chain Toolkit, Kogan Page, 2020
• T. Miller, M. J. Liberatore, Logistics Management: An Analytics-Based Approach, Business Expert Press, 2020
• B.S. Blanchard, Logistics Engineering & Management, Pearson UK, 2014
• L. Reszka, Decision Making Process in the Management of Logistics Support System [w:] C. Mańkowski, L. Reszka (ed.): Modelowanie procesów i systemów logistycznych, cz. XXII, Wydawnictwo Uniwersytetu Gdańskiego, Gdansk 2021, s. 167-176</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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