University of Gdańsk

Subject card

Subject name and code	Business Logistics , PG_00200387						
Field of study	Logistics and Mobility						
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 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		English		
Semester of study	3		ECTS credits		3.0		
Learning profile	academic		Assessment form		credit		
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	0.0	30.0	0.0	15.0	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		0.0	30.0	75	
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
[LML3_W01] has advanced knowledge in social sciences, their importance in the system of sciences, and understands the role of logistics and mobility in this context, knows the universal terminology related to logistics and mobility	The student acquires knowledge of the logistical support of the organisation.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[LML3_W09] has advanced knowledge of the evolution of theories describing logistics and mobility	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
[LML3_U13] is able to interact and work in a group (including in an international environment), taking various roles in 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
[LML3_U10] has the ability to prepare oral presentations on issues related to logistics and mobility, using specialized terminology, theoretical approaches, principles of collecting various sources of data, their description and interpretation, and inference based on scientific literature, is able to actively participate in the 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
[LML3_U03] is able to analyze the causes and course of specific logistics and mobility processes and systems, and accurately analyze these processes and systems with the help of adequate economic and social methods and tools	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
[LML3_U04] is able to predict the course of logistics and mobility processes and systems	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
[LML3_K03] participates in the preparation of logistics and mobility projects, being able to reconcile legal, economic, ecological, political and social requirements	student organizes the preparation of projects in the field of logistics, the projects are discussed and approved during duty hours with the teacher	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK8] observation of student's independent or team work
[LML3_W08] has knowledge of the main and logistics processes in companies, as well as the changes in these processes, knows what their causes, course, scale, consequences are and what is the impact of external stakeholders 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

Subject contents	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
Prerequisites and co-requisites	basic economic knowledge

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
active participation in classes (extra points possible)	0.0%	0.0%
Test	51.0%	70.0%
Projects	51.0%	30.0%

Recommended reading

Basic literature	• 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.
Supplementary literature	• 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
eResources addresses	

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable

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