

Subject card

Subject name and code	Logistics for Economic Processes, PG_00178976						
Field of study	International Economic Relations, International Business						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2025/2026		
Education level	Master's studies		Subject group				
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	Department of Logistics -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Leszek Reszka				
	Teachers		dr Leszek Reszka				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	0.0	30
	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	30		0.0		0.0	30
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
	[MSGMU2_W04] has an in-depth knowledge of different types and elements of economic structures and institutions, including institutions, organisations and economic entities; understands the causes, course, scale and consequences of changes occurring in them, as well as relations between them on a national, international and intercultural scale; knows the theories explaining relations among them	The student has knowledge of companies that provide logistics services as well as those that require logistics support.	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
	[IBMU2_W03] knows terminology in the field of international business, international economics and financial relations and complementary disciplines	Student is familiar with logistics terminology.	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
	[IBMU2_K04] is ready to inspire and organise projects for the benefit of the environment and the international business community, in accordance with the idea of sustainable development	The student is ready to develop logistics projects, taking various conditions into account.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK8] observation of student's independent or team work
	[IBMU2_U08] can manage teamwork, cooperate and work in a team, in particular an international one, taking a leading role in it	The student is able to work in a team, taking on various roles within it.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU8] observation of student's independent or team work
	[MSGMU2_K03] is ready to actively participate in groups, organisations and institutions conducting professional projects concerning the functioning of economic entities in the conditions of globalisation and the development of integration processes	The student is ready to actively participate in groups carrying out logistics-related projects.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK8] observation of student's independent or team work
	[MSGMU2_U12] can manage teamwork, cooperate and work in a team, in particular an international one, taking a leading role in it	The student is able to work in a team, taking on various roles within it.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU8] observation of student's independent or team work

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 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. Practical applications of logistics- part of the classes is conducted by representatives of business practice 7. Team project on the application of logistics methods in a selected business entity		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	project	51.0%	70.0%
	activity	51.0%	30.0%
Recommended reading	Basic literature	• B. S. Blanchard, Logistics Engineering & Management, Pearson New International Edition 2013. • G. J. Plenert, Supply Chain Optimization through Segmentation and Analytics (Resource Management), CRC Press, 2014 • A. Yalaoui, Hi. Chehade, F. Yalaoui, L. Amodeo, Optimization of Logistics, Kindle Edition 2013	

	Supplementary literature	A. Szmelter-Jarosz, B. Chmiel, D. Weiland, P. Wierzbowski, L. Reszka, Debate on the definition of urban logistics: a systematic literature review, Theoretical and Empirical Researches in Urban Management, Research Centre in Public Administration and Public Services, vol. 18, nr 2, 2023 L. Reszka, Decision Making Process in the Management of Logistics Support System [in:] C. Mańkowski, L. Reszka (ed.), Modelowanie procesów i systemów logistycznych, part. XXII, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2021, pp. 167-176 L. Reszka, Multicriteria optimization methods in logistics on the example of warehouse location, "Journal of Positive Management", vol. 9, nr 3/2018, Toruń 2018, pp. 3-16 L. Reszka, The Applicability of the Simos Method to Determination of Weights In Optimal Multicriteria Decision Making In Logistics [in:] M. Chaberek, L. Reszka (ed.): Modelling of Logistics Processes and Systems, part XVII Research Journal of the University of Gdańsk Transport Economics and Logistics vol. 66. Gdańsk University Press, Gdańsk 2017, pp. 81-88
	eResources addresses	
Example issues/ example questions/ tasks being completed	-	
Work placement	Not applicable	

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