University of Gdańsk

Subject card

Subject name and code	Logistics, PG_00199284						
Field of study	International Economic Relations						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2028/2029		
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	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		4.0		
Learning profile	academic		Assessment form		exam		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Janusz Dąbrowski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	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		55.0	100
Subject objectives	Introducing students to logistics as a concept of flow management based on a systemic approach with particular emphasis on enterprise logistics.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[MSGL3_U02] can assess economic and social phenomena occurring in an open economy, interpret necessary statistical data and economic indicators, as well as forecast economic phenomena and processes, using standard methods and tools applied in economic sciences	The student determines the location of the logistics node using the network method, uses the ABC/XYZ methods, plans material requirements using the MRP method and orders using the DRP method, is able to map and analyze logistics processes, uses the Activity Based Costing method to determine the costs of logistics processes and develops a logistics project on a given topic.	[SU2] presentation/project/paper/ report [SU5] implementation of a problem task
[MSGL3_W13] has a knowledge of the functioning of business entities in the national and international environment, with particular emphasis on the European Union	The student understands the essence of logistics, defines basic logistics concepts, describes the types of logistics subsystems, knows methods of analyzing logistics systems, identifies various types of logistics structures in enterprises, characterizes the subject and tasks of supply, production and distribution logistics in enterprises, is able to characterize the service packages provided by different types of logistics operators. The student discusses selected issues from the lecture with the lecturer during consultations.	[SW4] test/exam - oral or written
[MSGL3_K04] is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions, undertakes challenges of creative thinking; is resilient to failures; can identify threats and assess the risk of their occurrence	The student knows the limitations of his or her own knowledge and the need to constantly improve it, and is critical in expressing opinions.	[SK5] implementation of a problem task

Subject contents

- The essence and subject of logistics (concept and definitions of logistics, genesis and development of logistics, logistics infrastructure, scope of logistics activities)
- Logistics systems (concept and types of logistics systems, supply chains logistics, analysis of logistics systems, organization of logistics in enterprises)
- Supply logistics (concept and tasks of supply, logistic concept of supply, purchasing process)
- Production logistics (types of production processes, logistics processes in production, organizational types of production and production logistics)
- Distribution logistics (logistic customer service, logistic distribution channels, logistic functions of warehouses)
- Logistics costs (concept of logistics costs, structural sections of logistics costs, types of costs used in the decision-making process, concept, types, costs and methods of inventory management)
- Logistics services (concept, features and types of logistics services, origins of logistics services, external logistics providers, logistics centers, European logistics services market)
- Determining the location of a logistics node (theory, example, task)
- ABC and XYZ analysis of supply goods (theory, example, task)
- Material requirements planning, MRP (theory, example, task)
- Distribution requirements planning, DRP (theory, example, task)
- Mapping and analysis of the customer service process (theory, example, task)
- Costs of logistics activities - ABC method (theory, example, task)

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
The arithmetic average of partial marks for completing individual tasks and project	51.0%	30.0%
Written exam on the lecture	51.0%	70.0%

Recommended reading

Basic literature

Logistyka, red. D. Kisperska-Moron i S. Krzyzaniak, Wydaw. Instytutu Logistyki i Magazynowania, Poznan 2009
Logistyka. Teoria i praktyka, Tom 1 i 2, red. S. Krawczyk, Wydaw. Difin, Warszawa 2011

	Supplementary literature	J.J. Coyle, E.J. Bardi, C.J. Langley Jr. Zarzadzanie logistyczne, PWE, Warszawa 2007 C. Bozarth, R. Handfield, Wprowadzenie do zarzadzania operacjami i łancuchem dostaw, Wydaw. Helion, Gliwice 2007 Cz. Skowronek, Z. Sarjusz-Wolski, Logistyka w przedsiebiorstwie, PWE, Warszawa 2008 Strategie łancuchow dostaw, red. M. Ciesielski, J. Długosz, PWE, Warszawa 2010 Logistyka dystrybucji, red. K. Rutkowski, Szkoła Głowna Handlowa w Warszawie, Warszawa 2005 J. Bendkowski, G. Radziejowska, Logistyka zaopatrzenia w przedsiebiorstwie, Wydaw. Politechniki Slaskiej, Gliwice 2005 J. Dabrowski, Zakupy a logistyka zaopatrzenia i marketing zakupow, "Współczesna Gospodarka" 2011, nr 2, J. Dabrowski, Model outsourcingu usług logistycznych, "Studia i Materiały Instytutu Transportu i Handlu Morskiego", 2011, nr 8 H. Klimek, J. Dabrowski, Funkcja logistyczna portow morskich, "Logistyka" 2012, nr 4 J. Dabrowski, H. Klimek, A. Kaliszewski, Orientacja logistyczna operatorow portowych na przykładzie BCT Bałtyckiego Terminalu Kontenerowego Sp. z o.o. [w:] Systemy zarzadzania logistycznego w transporcie morskim, red. H. Salmonowicz, Wydaw. Zapol, Szczecin 2013, s. 165-186 J. Dabrowski, H. Klimek, Zarzadzanie relacjami kupujacy - dostawca w łancuchach dostaw, [w:] Przedsiebiorstwo w otoczeniu globalnym, red. A. Oniszczuk-Jastrzabek, T. Gutowski, Uniwersytet Gdanski ITiHM, Gdansk 2015, s. 133-148 J. Dabrowski, Strategie rozwoju i integracji dostawcow w zarzadzaniu łancuchami dostaw, "Gospodarka Materiałowa i Logistyka", 2015, nr 3 Przedsiebiorstwo w łancuchu dostaw, red. E. Ignaciuk, J.Dabrowski, PTE Gdansk, Gdansk 2017
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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