University of Gdańsk

Subject card

Subject name and code	Logistic Support of E-Commerce, PG_00199387		
Field of study	Economics		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2027/2028
Education level	Master'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 Polish
Semester of study	4	ECTS credits	5.0
Learning profile	academic	Assessment form	credit
Conducting unit			
Name and surname of lecturer (lecturers)	Subject supervisor	dr Tomasz Nowosielski	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	15.0	0.0	30.0	0.0	60

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	60	0.0	65.0	125

Subject objectives

Introduce students to logistics as a flow management concept based on a systemic approach with a special focus onconsideration of e-commerce logistics.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONMU2_W08] has an in-depth knowledge of processes occurring in enterprises and economic organisations and with related areas, as well as of processes of change in public institutions; knows methods of research on the regularities governing these changes, taking into account the influence of external stakeholders on them	The student determines the location of a logistics node using the network method, uses the methods of ABC/XYZ, knows how to calculate unit costs using the ABC method, knows how to map and analyze logistics processes, understands the mechanism of operation of MRP and DRP. The student attends consultations on topics related to the course and the projects being undertaken The student attends consultations on topics related to the course and the projects being undertaken (which is discussed and approved during a consultation with the instructor and then presented).	[SW4] test/exam - oral or written [SW2] presentation/project/paper/ report
	[EKONMU2_U06] can practically apply various forms and range of acquired knowledge in economics, finance and management, supplementing it with an independent critical analysis of its efficiency and usefulness	The student understands the essence of logistics, knows the reasons for the emergence of logistics, its stages of development, defines the basic concepts of logistics, lists and describes the types of subsystems logistics, knows methods of analysis of logistics systems, can characterize packages of services provided by different logistics operators, knows different models of of e-commerce logistics and ways of inventory management. The student attends consultations on topics related to the course and the projects being undertaken (which is discussed and approved during a consultation with the instructor and then presented).	[SU2] presentation/project/paper/ report
	[EKONMU2_K02] is aware of the level of their knowledge in the area of solving complex problems in economic,; understands the need to extend and update this knowledge throughout his/her life	The student knows the limitations of his own knowledge and the need for continuous improvement. The student attends consultations on topics related to the course and the projects being undertaken The student attends consultations on topics related to the course and the projects being undertaken (which is discussed and approved during a consultation with the instructor and then presented).	[SK2] presentation/project/paper/ report [SK4] test/exam - oral or written

Subject contents	1 The essence and subject of logistics (the concept and definitions of logistics, the origin and development of logistics, the scope of logistics activities). 2. logistics systems (concept and types of logistics systems, concept of supply chain, analysis of logistics systemslogistics, logistics costs) 3. procurement logistics (logistic concept of procurement, purchasing process, e-procurement) 4. distribution logistics (logistic customer service, logistic distribution channels, logistic functions of warehouses,last mile problem) 5. logistics services (concept and types of logistics services, third-party logistics service providers, logistics services market,courier services market in Poland) 6. forms of logistics organization in e-commerce (specifics of e-commerce in the context of logistics service, logistics modelse-commerce) 7. inventory management in e-commerce (concept and types of inventory, inventory costs, inventory management methods,assortment management in e-commerce stores, specifics of inventory management in e-commerce stores)
Prerequisites and co-requisites	Basic knowledge of economics and management

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Project and activity	51.0%	40.0%
Examination test and class activity	51.0%	60.0%

Recommended reading

Basic literature	1. Logistyka, red. D. Kisperskiej-Moroń i S. Krzyżaniaka, Wydawnictwo Instytutu Logistyki i Magazynowania, Poznań 2009 2. G. Chodak, Wybrane zagadnienia logistyki w sklepach internetowych - modele, badania rynku, Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław 2014
Supplementary literature	1. D. Skurpel, Obsługa logistyczna w handlu elektronicznym, Wydawnictwo Uniwersytetu Łódzkiego, Łódź 2019 2. J. Majchrzak-Lepczyk, Logistyczna obsługa klientów handlu elektronicznego, Wydawnictwo Uniwersytetu Ekonomicznego w Poznaniu, Poznań 2020 3. J.J. Coyle, E.J. Bardi, C.J. Langley Jr. Zarządzanie logistyczne, PWE, Warszawa 2007 4. C. Bozarth, R. Handfield, Wprowadzenie do zarządzania operacjami i łańcuchem dostaw, Wydaw. Helion, Gliwice 2007 5. Cz. Skowronek, Z. Sarjusz-Wolski, Logistyka w przedsiębiorstwie, PWE, Warszawa 2008 6. Strategie łańcuchów dostaw, red. M. Ciesielski, J. Długosz, PWE, Warszawa 2010 7. Logistyka dystrybucji, red. K. Rutkowski, Szkoła Główna Handlowa w Warszawie, Warszawa 2005 8. J. Bendkowski, G. Radziejowska, Logistyka zaopatrzenia w przedsiębiorstwie, Wydawnictwo Politechniki Śląskiej, Gliwice 2005 9. J. Dąbrowski, Zakupy a logistyka zaopatrzenia i marketing zakupów, "Współczesna Gospodarka" 2011, nr 2, htpp://www.wspolczesnagospodarka.pl 10. J. Dąbrowski, Model outsourcingu usług logistycznych, "Studia i Materiały Instytutu Transportu i Handlu Morskiego" 2011, nr 8 11. J. Dąbrowski, Nowoczesne narzędzia zakupowe - odwrotne aukcje elektroniczne, [w:] Innowacyjne przedsiębiorstwa - standard XXI wieku, red. J. Fryca, T. Nowosielski, PTE Oddział w Gdańsku, Gdańsk 2011 12. J. Dąbrowski, Doskonalenie procesu zakupowego w przedsiębiorstwie, [w:] Przedsiębiorstwo. Drogi sukcesu rynkowego pod red. J. Żurka, Polskie Wydawnictwo Ekonomiczne, Warszawa 2016
eResources addresses	

Example issues/ example questions/ tasks being completed	1 Characterise the subject approach to logistics. 2. what is a micrology system. 3. Characteristics of a supply chain.

Work placement	Not applicable

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