University of Gdańsk

Subject card

Subject name and code	Logistic Systems, PG_00119133		
Field of study	Economics		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2026/2027
Education level	Bachelor's studies	Subject group	Obligatory subject group 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	6	ECTS credits	1.0
Learning profile	academic	Assessment form	credit
Conducting unit			
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Cezary Mańkowski	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	0.0	0.0	15

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	15	0.0	0.0	15

Subject objectives

1. Providing students with the concept of logistics systems
2. Presentation of the classification of logistics systems, discussion of the structures of logistics systems
3. Students acquire skills in the field of logistics systems design
4. Strengthening students' social competences through project work

Learning outcomes

Course outcome	Subject outcome	Method of verification
[EKONL3_K05] correctly identifies, diagnoses and resolves professional dilemmas and different options for solutions	The student correctly identifies, diagnoses and resolves dilemmas and various variants of solutions related to the profession of logistics	[SK4] test/exam - oral or written
[EKONL3_U06] uses the knowledge acquired in economics, finance and management to solve economic and social dilemmas arising in the professional context	The student uses his knowledge of logistics systems to solve economic and social dilemmas arising in the professional work of a logistician	[SU4] test/exam - oral or written
[EKONL3_W02] has advanced knowledge of the different types of existing business entities and organisations and public institutions	The student has advanced knowledge of various types of logistics entities and organizations	[SW4] test/exam - oral or written
[EKONL3_W03] has advanced knowledge of the relations between economic agents and social organisations operating in the national, international and intercultural arenas	The student has advanced knowledge of the relationships between economic entities and public institutions operating in the field of domestic and international logistics	[SW4] test/exam - oral or written

<table>
<tr><td>Subject contents</td><td colspan="3">1. The essence of logistics systems
The concept, features and types of systems, classification criteria of logistic systems, elements (subsystems) of the logistic system, interdependencies between the elements of the logistics system
2. Sources of knowledge about logistics systems
Literature, organizations, portals, legal regulations and technical conditions, elements of the market environment of logistics systems
3. Methods and tools for designing logistics systems
Ontologies, architectures, standards, IT tools (Design Thinking, Sankey Scheme, Aris)</td></tr>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">Basic economic knowledge</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>Test</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">1. Chaberek M.: Makro- i mikroekonomiczne aspekty wsparcia logistycznego. Wyd. Uniw. Gdańskiego, Gdańsk 2002
2. Mańkowski C.: Modelowanie procesów logistycznych. Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2020 (available here)
3. Blaik P.: Logistyka. PWE, Warszawa 2010</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">1. Mańkowski C.: Synergia w logistyce. Wydw. Uniw. Gdańskiego, Gdańsk 2010
2. Twaróg J.: Koszty logistyki przedsiebiorstw. ILiM, Poznań 2003
3. Twaróg J.: Mierniki i wskaźniki logistyczne. ILiM, Poznań 2005
4. Beier F., Rutkowski K.: Logistyka. Wydaw. SGH, Warszawa 2005
5. Jacyna M., Lewczuk K., Projektowanie systemów logistycznych, PWN, Warszawa 2016
6. Czasopisma: Logistyka; Logistyka a Jakosc; Eurologistics; Gospodarka Materiałowa i Logistyka; Spedycja, Transport, Logistyka
7. Portale: www.ptl.net.pl, www.logistyka.net.pl, ariscommunity.com</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">Types of logistics systems

Components of logistics systems

Elements of the market environment of logistics systems

Ontologies, architectures, standards, tools for designing logistics systems</td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
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