

Course title	Logistics for Economic Processes						ECTS code	14.03.5361				
							ECTS credits	5				
							max. students	30				
Name of unit administrating study	KL	Field of study	Economics/MSG**		Field of specialisation	NONE;						
Teaching staff	Leszek Reszka, Associate Professor											
Number of hours												
Lectures	0	Classes	0	Tutorials	0	Laboratory	30	Seminars	0	Language classes	0	
Forma aktywności						Year&Type of studies*	3 SS1, 2 SS2, 1 SS2,					
Hours with the participation of the academic teacher (including office hours, exams, others):						Semester:	5, 3, 1,					
Hours without the participation of the academic teacher (student's self-study, homeworks):						Type of course:	optional					
Total number of hours:						0	Language of instruction:	English				
Teaching form	in-class learning											
Teaching methods	Lectures including multimodal presentations, Work in computer laboratories, Collaborating, group activities, Case studies,											
Prerequisites (required courses and introductory requirements)												
Required courses	Microeconomics, macroeconomics.											
Introductory requirements	Basic economic knowledge.											
Assessment method, forms and criteria												
Assessment method	Course completion (graded)											
Assessment criteria	The final mark consists of: <ul style="list-style-type: none"> • active participation in classes (monitored on an ongoing basis by the teacher) • evaluation of projects prepared in teams • test which is an optional possibility to improve the mark 											
Course objectives												
The course aims to present knowledge about the basics of logistics, to present the importance of logistics processes and systems in the functioning of economic processes, and to present the chosen methods of logistics management as well as the ability to use them in practice. Moreover, students expand their vocabulary in English terminology in the field of logistics. By preparing project, they develop the skills of teamwork.												
Learning outcomes												
Knowledge	E1_W01	Student gains the knowledge of logistic support for an organization.										
	MSG1_W01	Student gains the knowledge of logistic support for an organization.										
	E2_W01	Student gains the knowledge of logistic support for an organization.										
	MSG2_W01	Student gains the knowledge of logistic support for an organization.										
	E1_W06	Student knows tools and methods used in logistics										
	MSG1_W10	Student knows tools and methods used in logistics										
	E2_W06	Student knows tools and methods used in logistics										
	MSG2_W13	Student knows tools and methods used in logistics										
Verification of learning outcomes - Knowledge												
Outcomes												

	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E1_W01			X				X	X			
MSG1_W01			X				X	X			
E2_W01			X				X	X			
MSG2_W01			X				X	X			
E1_W06			X				X	X			
MSG1_W10			X				X	X			
E2_W06			X				X	X			
MSG2_W13			X				X	X			
Skills	E1_U02	Student is able to implement presented logistic tools and methods in practice.									
	E2_U02	Student is able to implement presented logistic tools and methods in practice.									
	MSG1_U04	Student is able to implement presented logistic tools and methods in practice.									
	MSG2_U04	Student is able to implement presented logistic tools and methods in practice.									
	E1_U11	Student can work in groups.									
	MSG1_U14	Student can work in groups.									
	E2_U11	Student can work in groups.									
	MSG2_U12	Student can work in groups.									
Verification of learning outcomes - Skills											
Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E1_U04			X				X	X			
E2_U02			X				X				
MSG1_U04			X				X				
MSG2_U04			X				X				
E1_U11							X				
MSG1_U14							X				
E2_U11							X				
MSG2_U12							X				
Attitudes	E1_K02	Student aims to gain the knowledge permanently.									
	E2_K02	Student aims to gain the knowledge permanently.									
	MSG1_K02	Student aims to gain the knowledge permanently.									
	MSG2_K02	Student aims to gain the knowledge permanently.									
Verification of learning outcomes - Attitudes											
Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E1_K02							X	X			
E2_K02							X	X			

MSG1_K02							X	X			
MSG2_K02							X	X			

Course contents

- The fundamentals of logistics:
 definition of logistics,
 logistics support system's components,
 macro- and microeconomics aspects of logistics

- Demand in logistics:
 primary and derivative demand in logistics,
 the role of primary demand forecasts in logistics,
 material requirements planning
 evolution of MRP systems,
 Zeparde Gozinto's graph

- Inventory management:
 Wilson's model,
 ABC / XYZ classification,
 the idea of separating point

- Evaluation and choice of the supplier:
 identification of potential suppliers,
 determination of main criteria and parameters,
 principles of grading for criteria and parameters,
 introduction of possible wages for criteria and parameters,
 calculating of score for each supplier,
 taking a decision about choice of the supplier

- Logistic costs:
 total logistic costs calculation,
 activity based costing as a method of logistic processes management,
 the idea of life cycle logistic support system

Recommended reading lists

(a) obligatory literature

B. S. Blanchard, *Logistics Engineering & Management*, Pearson New International Edition 2013
 D. Simchi-Levi, *Designing and Managing the Supply Chain*. McGraw - Hill Education Europe, 2007
 Jones, J.V. *Integrated Logistics Support Handbook*, McGRAW-HILL, New York 2006

(b) supplementary literature

L. Reszka, *Decision Making Process in the Management of Logistics Support System* [in:] C. Mańkowski, L. Reszka (ed.): *Modelowanie procesów i systemów logistycznych*, cz. XXII Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2021, p. 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, ISSN: 2083-103X, p. 3-16
 C. Mańkowski, L. Reszka (ed.), *Modelling of Logistics Processes and Systems*, part XXI *Transport Economics and Logistics* vol. 82. Gdańsk University Press, Gdańsk 2019
 C. Mańkowski, L. Reszka (ed.), *Modelling of Logistics Processes and Systems*, part XX *Transport Economics and Logistics* vol. 78. Gdańsk University Press, Gdańsk 2018
 C. Mańkowski, L. Reszka (ed.), *Modelling of Logistics Processes and Systems*, part XIX *Research Journal of the University of Gdańsk Transport Economics and Logistics* vol. 71. Gdańsk University Press, Gdańsk 2017
 M. Chaberek, L. Reszka (ed.), *Modelling of Logistics Processes and Systems*, part XVIII *Research Journal of the University of Gdańsk Transport Economics and Logistics* vol. 68. Gdańsk University Press, Gdańsk 2017
 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

Contact
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* SS1- undergraduate studies * SS2 - graduate studies * SDang - doctoral studies

** MSG - International Economic Relations