

SYLLABUS academic year 2023/24 Faculty of Economics University of Gdansk

Course title	Decision Makiı	sion Making Support for Logistics ECTS code 14.03.5368								.5368		
		ECTS credits 5							5			
		max. 30								0		
Name of unit admin	istrating stud	rating study KL Field of study MSG** Field of specialisation NONE;								IONE;		
Teaching staff Leszek Reszka, Associate Professor												
Number of hours												
Lectures 0 C	Classes 0 Tutorials 0 Lab				Laborato	ry	30 Ser	minars 0	Lang	Language classes 0		
Forma aktywności Year&Type of studies* 3 SS1, 2 SS2									SS2,			
Hours with the participation of the academic teacher (including office hours, exams, others):						50	Semester:			6, 4,		
Hours without the participation of the academic teacher (student's self-study, homeworks):						0	Туре с	of course:		optional		
Total number of hours:						50	Lang instr	uage of ruction:		English		
Teaching form in-class learning												
Teaching method	Teaching methods Lectures including multimodal presentations, Activating methods in training classes, Work in computer laboratories, Case studies, Collaborating, group activities,								computer			
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: • active participation in classes (monitored on an ongoing basis by the teacher) • 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 aim of the subject is to provide the knowledge and practical skills in making of managerial decisions in logistics Moreover, students expand their vocabulary in English terminology in the field of logistics and decisions making By preparing project, they develop skills of teamwork.												
Learning outcomes												
Knowledge MSG1_W01 Student knows the idea of the logistic processes and logistic systems in organiz						ations.						
	MSG2_W	MSG2_W01 Student knows the idea of the logistic processes and logistic systems in organizations.										
	MSG1_W10 Student knows the methods supporting the decision making process.											
MSG2_W13 Student knows the methods supporting the decision making process.												
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	
MSG1_W01			Х				X	X				
MSG2_W01			Х				X	X				
MSG1_W10			X				X	X				
MSG1_W13			Х				Х	Х				



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Skills	MSG1_U	08 Stud orga metl	Student applies the methods supporting the decision making process in logistics for organizations, makes a project for the organization in the area of logistics with the use of methods of forecasting and optimization.								
	MSG2_U	1 Student applies the methods supporting the decision making process in logistics for organizations, makes a project for the organization in the area of logistics with the use of methods of forecasting and optimization.									
	MSG1_U	14 Stud	Student can work in groups.								
	MSG2_U	2 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
MSG1_U08			X				X	Х			
MSG1_U11			X				X	Х			
MSG1_U14			X				X	Х			
MSG2_U12			Х				Х	Х			
				Cours	e content	5					
 goals of logistics, logistic support system's components, 2) Forecasting in logistics the role of forecasts in logistics, definition of forecasting, costs of forecasting, demand forecasting in logistics practice of small and medium companies methods of forecasts quality evaluation 3) Optimization in logistics definition of optimization, conjunction of logistics and optimization optimization methods in logistics linear programming models 											
Recommended reading lists											
(a) obligatory literature											
A. Yalaoui, H. Chehade, F. Yalaoui, L. Amodeo, Optimization of Logistics (ISTE), Kindle Edition 2013.											
G.J. Plenert, Supply Chain Optimization through Segmentation and Analytics (Resource Management), CRC Press, 2014.											
S.G. Powell, K.R. Bake, <i>Management Science: The Art of Modeling with Spreadsheets</i> , John Wiley and Sons, 2010.											
G. Elliott, A. Timmermann, Economic Forecasting, Princeton University Press, Princeton, Oxford 2016											
(b) Supplementary literature Decision Making Process in the Management of Logistics Support System [in:] C. Mańkowski, L. Reszka (red.): Modelowanie procesów i systemów logistycznych, cz. XXII Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2021, p. 167-176.											
L. Reszka, <i>Multicriteria optimization methods in logistics on the example of warehouse location</i> , "Journal of Positive Management", vol. 9, nr 3/2018, Toruń 2018.											
L. Reszka, The Applicability of the Simos' Method to Determination of Weights In Optimal Multicriteria Decision Making In Logistics [in:] M. Chaberek, L. Reszka (red.): 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, ISSN: 2544-3224.											
L. Reszka, <i>Econometric Forecasting in Logistics Support System for Small Enterprise</i> [W:] N. Fabbes-Coste, M. Koulikoff-Souviron (red.): <i>Ninth ELA Doctorate Workshop 2004</i> . European Logistics Association 2004.											



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* SS1- undergraduate studies * SS2 - graduate studies * SDang - doctoral studies ** MSG - International Economic Relations