

SYLLABUS academic year 2018/19Faculty of Economics University of Gdansk

Course title	Optimization of logistics									CTS cod	е	14.3.EE.FL.3139		
									EC	ECTS credits		5		
		max. student: trating study KL Field of study Economics/MSG** Field of specia												
Name of unit administrating stu			y KI	-	Field of st	udy	conomics	/MSG**	Field o	f speciali	satio	on N	NONE;	
Teaching st	Les	zek Reszk	Reszka, Associate Professor											
Number of hours														
Lectures 0	Laborato	tory 30 Seminars 0 Language classes												
Forma aktywności								Year&Typ	e of stu	dies*	3 SS1, 2 SS2, 1 SS2,			
Hours with the participation of the academic teacher (including office hours, exams, others):								Semester:			6, 4, 2,			
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 metho		Lectures including multimodal presentations, Activating methods in training classes, Work in computer laboratories, Collaborating, group activities, Case studies,												
Prerequisites (required courses and introductory requirements)														
Required courses Microeconomics, macroeconomics.														
Introductory requirements														
Assessment method, forms and criteria														
Assessment method Exam														
Assessment criteria Student's working during the classes is recorded by the teacher, which is the base of the final grade.														
Course objectives														
The aim of the subject is to provide the knowledge and practical skills in optimization of logistics Moreover, students will expand their vocabulary in English terminology in the field of logistics and optimization By preparing project, they will develop social competence of teamwork.														
Learning outcomes														
Knowledge	E	E1_W01 The student knows the idea organizations.					of the logistic processes and logistic systems in							
	E	E1_W06 The student knows methods of optimization.												
			Ve	erification	of learnir	ng outcom	nes - Kno	owledge						
Outcomes		written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group	classroom	classroom	uiscussion	individual project	group project	
E1_W01				Х				Х	Х					
E1_W06				Х				Х	Х					
Skills	E	E1_U04 The student applies the methods of optimization of logistics for organizations												
	E	E1_U04 The student makes a project for the organization in the area of logistics with the use of methods of optimization												
Verification of learning outcomes - Skills														
Outcomes														

III WAS CLA

SYLLABUS academic year 2018/19

Faculty of Economics University of Gdansk

	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E1_U04							Х	Х			
Attitudes	E1_K02 The student develops the social competence of team work										
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							Х				

Course contents

The fundamentals of logistics definition of logistics, goals of logistics, logistic support system's components,
 Optimization of logistics definition of optimization, conjunction of logistics and optimization optimization methods in logistics linear programming models

Recommended reading lists

(a)

- 1) B. S. Blanchard: Logistics Engineering and Management. Prentice Hall, New Jersey 1998
- 2) A. Yalaoui, Hi. Chehade, F. Yalaoui, L. Amodeo: Optimization of Logistics (ISTE), Kindle Edition 2013
- 3) G. D. Eppen, F. J.Gould, C. P.Schmidt, J. H. Moore, L. R. Weatherford: Introductory Management Science Decision Modelling with Spreadsheets. Prentice Hall, New Jersey 1998.

(b)

- 1) R. H. Ballou: Basic Business Logistics. Prentice Hall, New York 1987
- 2) G. J. Plenert: Supply Chain Optimization through Segmentation and Analytics (Resource Management), CRC Press, 2014
- 3) S. G. Powell, K. R. Bake: Management Science: The Art of Modeling with Spreadsheets, John Wiley and Sons, 2010
- 4) D. Simchi-Levi, P. Kaminsky, E. Simchi-Levi: Designing and managing the supply chain. Irwin McGraw Hill, International Editions 2000

Contact leszek.reszka@ug.edu.pl,

^{*} SS1- undergraduate studies * SS2 - graduate studies * SDang - doctoral studies

^{**} MSG - International Economic Relations