		STUDY MODULE DE	ESCRIPTION FORM			
	f the module/subject gning of logistic	s systems & processes	Code 1011105211011117636			
Field of study			Profile of study	Year /Semester		
Logistics - Part-time studies - Second-cycle			(general academic, practical) (brak)	1/1		
Elective path/specialty			Subject offered in:	Course (compulsory, elective)		
Corporate Logistics			Polish	obligatory		
Cycle c	f study:		Form of study (full-time,part-time)			
Second-cycle studies			part-time			
No. of h	nours			No. of credits		
Lectu	re: 16 Classe	s: - Laboratory: 14	Project/seminars:	- 4		
Status	of the course in the study	program (Basic, major, other)	(university-wide, from another	,		
		(brak)	(brak)			
Educat	on areas and fields of sci	ence and art		ECTS distribution (number and %)		
technical sciences				100 4%		
dr i	onsible for subj					
tel. Wy	ail: pawel.pawlewski@ 61 6653413 dział Inżynierii Zarząd: Strzelecka 11 60-965 I	zania				
		is of knowledge, skills and	d social competencies:			
	- -					
1	Knowledge	Student has knowledge of the use in the design of logistics processes enterprise integration methods, simulation technology, methods to streamline and improve the process, is aware of the available simulation packages, knows the concepts of verification processes using simulation experiments, has knowledge of the methods and techniques of process improvement				
2	Skills	assess the scope and need for the	wel of maturity of the business process, is able to analyze and the use of simulation techniques in the design of logistics verify the results obtained from the simulation process			
3	Social competencies	Student is aware of the conseque responsibility for decisions	ences of their decisions and is	prepared to take on social		
Assu	mptions and obj	ectives of the course:				
-acquisition of skills and competences in the field of enterprise logistics system design, understanding the basic methods use in the design of logistic systems, business process design and management						
	Study outco	mes and reference to the	educational results for	a field of study		
Know	vledge:					
	, ,	cific problem belonging to the area	0 0 1	esses - [K2A_W09]		
2. Understanding of process mapping and process orientation in logistics - [K2A_W10]						
		is and their basic functions used in	8 1 8	,		
		in the development of the logistics		-		
	•	e cycle of machinery, socio-technic				
		nethods, techniques, depending or w to explain them - [K2A_W13]	n the applicable in solving com	piex engineering tasks in the		
Skills		, , , , , ,				
1. Able to independently develop a given problem in the design of logistics processes - [K2A_U11]						
 Can design an experiment for the given problem in the field of logistics and related areas, interpret the results and draw conclusions - [K2A_U08] 						
3. Car	3. Can design a process to analyze, formulate a research task, propose the use of the latest technological advances and technology for the design - [K2A_U19]					
	с, с	iate methods and techniques of the	e system and the logistical pro	cess - [K2A_U09]		
	formulate and solve p sign of logistic system	problems through multi-disciplinary s - [K2A_U10]	integration of knowledge in th	e fields and disciplines used in		

Social competencies:

1. Has a sense of responsibility for their own work and the willingness to comply with the rules work in a team and to take responsibility for collaborative tasks - [K2A_K03]

2. Can see depending on cause and effect in achieving the set goals and achieve graduation importance of alternative or competing tasks - [K2A_K04]

Assessment methods of study outcomes

Examination + Credit simulation project performed in the laboratory

Course description

Logistics-System approach. Design of the logistics system. The methods used in the design of logistic systems. Orientation functional and process in business management. Process approach in logistics. Models and standardization of processes. Process mapping. Designing and implementing process changes. The implementation of the process approach in the company. Forms of organization of the process in the company. Methodology for process management. Attributes (parameters) of the process, measures of process in the context of enterprise logistics system and supply chain processes meters based process management. The life cycle of the process. Execution and financial aspects - management objectives, resource efficiency. Measuring the effectiveness and efficiency. Simulation and optimization.

Basic bibliography:

1. Procesy i projekty logistyczne, S. Nowosielski, Uniwersytet Ekonomiczny, Wrocław 2008

2. Reengineering, Reformowanie procesów biznesowych i produkcyjnych w przedsiębiorstwie, L. Pacholski, W. Cempel, P. Pawlewski, Politechnika Poznańska, Poznań 2009

3. Organizacja procesowa, P.Grajewski, PWE, Warszawa 2007

4. Modele referencyjne w zarządzaniu procesami biznesu, Difin, Warszawa 2007

5. Teoria i inżynieria systemów, Cz. Cempel, Instytut Technologii Eksploatacji - PIB/2008

6. Projektowanie Systemów I Procesów Logistycznych, P.Pawlewski, Skrypt (maszynopis) Poznan 2012

Additional bibliography:

1. Zarządzanie logistyczne, J. Coyle, E. Bard, J. Langley, PWE, 2002

2. Systemy logistyczne, H. C. Pfohl, Wyd. ILiM, Poznań, 2001

3. Wprowadzenie do zarządzania operacjami i łańcuchem dostaw, C.Bozarth, R.B.Handfield, Helion, Gliwice 2007

4. Supply Chain Management An introduction to Logistics, D.Waters, Palgrave Macmilian 2009

Result of average student's workload

Activity	Time (working hours)			
Student's workload				
Source of workload	hours	ECTS		
Total workload	100	4		
Contact hours	75	3		
Practical activities	30	2		