		STUDY MODULE D	ESCRIPTION FORM		
	f the module/subject ntory manageme	ent in supply chain		Code 1011105421011117936	
Field of study			Profile of study	Year /Semester	
Logistics - Part-time studies - Second-cycle			(general academic, practical) general academic	1/2	
Elective path/specialty			Subject offered in:	Course (compulsory, elective)	
Chain of Delivery Logistics			Polish	elective	
Cycle of			Form of study (full-time,part-time)		
Second-cycle studies			part-time		
No. of h	4.0			No. of credits	
Lectur	0.0000		r roject/serninars.	16 5	
Status o	-	program (Basic, major, other) other	(university-wide, from another field) university-wide		
Education areas and fields of science and art				ECTS distribution (number and %)	
Resp	onsible for subje	ect / lecturer:	Responsible for subject / lecturer:		
dr hab. inż. Piotr Cyplik email: piotr.cyplik@put.poznan.pl tel. 616653401 Wydział Inżynierii Zarządzania			dr hab. inż. Piotr Cyplik email: piotr.cyplik@put.poznan.pl tel. 616653401 Esculty of Engineering Management		
	Strzelecka 11 60-965 F		Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań		
Prere	equisites in term	s of knowledge, skills an	-		
1	Knowledge	essence of customer service, the	stical issues such as functional separation of logistics, the ne nature of transport and storage logistics. cepts of inventory management: EOQ, SL, ROP, the maximum		
2	Skills		nple task with the content. He can use statistical formulas such ation.		
3	Social competencies	Student can work in group			
Assu	mptions and obj	ectives of the course:			
	dependent skills trainir	e students with in-depth inventory og in their operational decisions or	n renewal of stocks in the suppl	y chain.	
	-	mes and reference to the	educational results for	a field of study	
	vledge:				
 The student has a deeper knowledge of inventory management - [K2A_W02;K2A_W03] Student can identify and articulate the relationship between inventory, storage, transport and other functional areas of 					
-		<pre>K2A_W05;K2A_W06;K2A_W07] any management techniques uses</pre>	Lin oundly choice (KOA MOO)	K2A W(10]	
<u>3. Stuc</u> Skills		ory management techniques usec	i in supply chains - [KZA_W09;i		
1. Stuc	lents can design a pro	cess to analyze the efficiency of in the reorder of stocks problem in a s		y chain - [K2A_U05;K2A_U07]	
3. Stuc		sheet with a simple algorithm to de		a single link of the supply chain	
	al competencies:				
		p and cooperate in the project gro			
[K2A_ł	(07]	for the identification and resolution			
3. The	student is determined	to think in an entrepreneurial way	v ot inventory management - [K	ZA_K06]	
		Assessment metho	ds of study outcomes		

Formative assessment:

a) For the project: on the basis of progress in the implementation stages of the project, and knowledge of the issues necessary to carry b) for the lecture: on the basis of answers to questions about the topics covered in previous lectures Recapitulative assessment:

a) For the project: on the basis of (1) the quality of the project (2) answers to questions about the project b) for the lecture: on the basis of colloquium - written work on the issues discussed during the lecture. The exam can be applied after obtaining the ratings of the project and the laboratory. The exam is passed, after giving the correct answers to most questions

Course description

The issue of course includes the following topics: functions of inventory in supply chains, the impact of stocks on the basic objectives of supply chain planning methods in stocks in the supply chain, allocation of inventory in the supply chain policy-renewal of inventory in the supply chain, multi-stage inventory management systems, TOC Replenishment, VMI - CMI - SMI strategies, Stochastic Inventory Control. Managerial decision-making based on case studies.

Didactic methods:

Lecture: conversational lecture

Project: project method

Basic bibliography:

1. Cyplik P., Hadaś Ł., Zarządzanie zapasami w łańcuchu dostaw, Wydawnictwo Politechniki Poznańskiej, Poznań, 2012

2. Sherbrooke C.C Optimal inventory modeling of systems: multi-echelon techniques Kluwer Academic Publishers New York 2004

3. Tempelmeier H. Inventory management in supply networks: problems, models, solutions Books-on-Demand Norderstedt 2011

4. Cyplik P., AN APPLICATION OF SPARE SUPPLIES MANAGEMENT FOR WAREHOUSE SUPPLIES OPTIMIZATION USING CLASSICAL METHODS - CASE STUDY, Logforum 1.3 (2005): 4

Additional bibliography:

1. Krzyżaniak S. Podstawy zarządzania zapasami w przykładach ILiM Poznań 2008

2. Coyle J. J., Bardi E. I., Langley J.Jr. Zarządzanie logistyczne PWE Warszawa 2002

Result of average student's workload

Activity	Time (working hours)			
1. Preparing for the Exam		25		
2. Project	48			
3. Lectures	16			
4. Classes	16			
5. Project consultation	20			
Student's workload				
Source of workload	hours	ECTS		
Total workload	125	5		
Contact hours	52	2		
Practical activities	73	3		