		STUDY M	IODUI E DI	FS	CRIPTION FORM			
	of the module/subject				okii ilokii okiii	Cod	de 11105411011117645	
Field of study					Profile of study		Year /Semester	
Logistics - Part-time studies - Second-cycle					(general academic, practical general academic	•	1/1	
Elective path/specialty					Subject offered in:	-	Course (compulsory, elective)	
Corporate Logistics					Polish		elective	
Cycle of study:					Form of study (full-time,part-time)			
Second-cycle studies					part-time			
No. of I	nours			-			No. of credits	
Lectu	re: 14 Clas	ses: - Labo	ratory:		Project/seminars:	14	5	
Status	of the course in the s	udy program (Basic, majo	r, other)	(university-wide, from another	field)		
		other			univ	ersi	ty-wide	
Education areas and fields of science and art							ECTS distribution (number and %)	
tech	nical sciences						5 100%	
Technical sciences							5 100%	
Resp	onsible for su	bject / lecturer:		Re	sponsible for subje	ect /	lecturer:	
dr hab. inż. Marek Fertsch, prof. nadzw.					dr inż. Ireneusz Gania			
email: email: marek.fertsch@put.poznan.pl				email: ireneusz.gania@put.poznan.pl				
tel. 616653416 Wydział Inżynierii Zarządzania				tel. 616653385 Faculty of Engineering Management				
60-965 Poznań, ul. Strzelecka 11				ul. Strzelecka 11 60-965 Poznań				
Prer	equisites in te	rms of knowledg	e, skills and	d so	ocial competencies	:		
1	Knowledge	Basic knowledge	Basic knowledge of production management.					
2	Skills	The student has t	The student has the skills in the subject production management.					
3	Social competenci		The student has the social skills of the subject Production management.					
Assu	imptions and	objectives of the	course:					
	niliarize students w ging the flow of ma		ciples of materia	al flo	w management. Students	mas	stering basic skills in	
	Study out	comes and refere	ence to the	edı	ucational results fo	r a f	ield of study	
Knov	wledge:						-	
		onshin hetween the sn	here of technic	al ar	d economic characteristic	of th	ne subject in the area of	

- 1. knows the basic relationship between the sphere of technical and economic characteristic of the subject in the area of logistics [-[K2A_W04]]
- 2. has in-depth knowledge of manufacturing engineering and its links with the direction of logistics [[K2A_W05]]
- 3. knows the basic concepts in the context of specific subject being studied for the logistics [[K2A_W09]]
- 4. knows the basic concepts in the context of specific subject being studied for the logistics [[K2A_W09]
- 5. an understanding process mapping and process orientation in logistics [[K2A_W10]]
- 6. can explain in detail the methods, tools and techniques specific to the subject being studied for the logistics [[K2A_W13]]

Skills:

Faculty of Engineering Management

- 1. can communicate using appropriate personal in a professional environment and in other environments, in terms of subject being studied [[K2A_U04]]
- 2. discussion of the problem of foreign located within the subject being studied [[K2A_U05]]
- 3. can design analysis process in relation to the problem of falling within the subject being studied [[K2A _U09]]
- 4. can formulate and solve problems through interdisciplinary integration of knowledge in the fields and disciplines used in the design of logistic systems [[K2A_U10]
- 5. able to formulate and test hypotheses regarding the issues related to the design of logistics systems [[K2A_U11]
- 6. able to assess the usefulness and the usability of new developments (techniques and technologies) in logistics and functionally related areas [[K2A_U12]]
- 7. can make a critical analysis of the technical solutions used in the logistic system analysis [[K2A_U15]]
- 8. able to identify possible improvements in the reporting system of logistics [[K2A_U16]]

Social competencies:

- 1. is aware of the responsibility for their own work and willingness to comply with the principles of teamwork and accountability for collaborative tasks [[K2A_K03]]
- 2. depending able to see the cause and effect in achieving the set goals and make gradation significance of alternative or competing tasks [[K2A_K04]]

Assessment methods of study outcomes

-Formulator Rating:

a) In terms of the project: on the basis of progress in the implementation phases of the project, and knowledge of the issues necessary for its implementation b) for the lecture: on the basis of answers to questions about issues to discuss in the previous lectures

Summary Rating:

a) In terms of the project: on the basis of (1) the quality of the merits of the project (2) The defense made the project b) for the lecture: on the basis of test - written work on the issues discussed in the lecture. Can take the exam after the assessments of the project and the laboratory. The exam is passed, after giving the correct answer to most of the substantive issues discussed

Course description

-The lecture begins with a presentation of the essence of material flow management. The are two main variants of this process? niezinformatyzowany and computerized model. Highlighted are the differences between the two models. Presented is the course and the main methods of material flow management control at the level of products and product components niezinformatyzowanej version. The presented method is material requirements planning (MRP) as the basis for managing the flow of materials at the level of the components of the computerized version of the products. Deals with the problem of integration and niezinformatyzowanego computerized variant? MRP integration? JiT. In class, students design project, according to the guidelines operator, selected material flow management system

At the laboratory students will learn the basics of computer aided material flow management. This laboratory operates on the basis of ERP? Navision Axapta system implemented for the purpose of teaching. In a series of exercises performed on the basis of this system, students go through the whole cycle of material flow management? from developing master production scheduling through production planning, supply planning and scheduling of deliveries

Basic bibliography:

- 1. Zarządzanie produkcją, Dwiliński L., , Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa, 2002
- 2. Podstawy zarządzania przepływem materiałów w przykładach, Fertsch M., , Biblioteka logistyka, Wydawnictwo ILiM, Poznań, 2003
- 3. Sterowanie przepływem produkcji, Senger Z., , Wydawnictwo Politechniki Poznańskiej, Poznań, 1998
- 4. Zarządzanie przepływem materiałów, Fertsch M., Gania I., Wydawnictwo Politechniki Poznańskiej, Poznań 2011.
- 5. Podstawy zarządzania produkcją. Ćwiczenia, Kosieradzka A., (red.)., Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa, 2008

Additional bibliography:

- Podstawy zarządzania produkcją. Ćwiczenia, Kosieradzka A., (red.)., Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa, 2008
- 2. Muhlemann A.P. Oakland AJ.S., Lockyer K.G.. Production and Operations Management Paperback? Import, June 2, 1988

Result of average student's workload

Activity	(working
	ours)

http://www.put.poznan.pl/

Poznan University of Technology Faculty of Engineering Management

1. lectures		14						
2. own work		40						
3. projects		14						
4. consultation		40						
5. exam preparation	17							
Student's workload								
Source of workload	hours	ECTS						
Total workload	125	5						
Contact hours	68	3						
Practical activities	54	2						