Name of the modulescaped Logistics process planning         Code 10110145101111278           Field of study         Pratile of study (brain)         Year /Semeater (brain)         Year /Semeater (brain)           Logistics - Full-time studies - First-cycle studies         Frain of study (building, participation, practical) (brain)         Year /Semeater (brain)         3 / 5           Eacher path/specially         -         Doils         Course (computer, pack (editors))         3 / 5           Cycle of study:         First-cycle studies         full-time         Tell         Form of study (building, participation)         No. of credits           Cycle of study:         First-cycle studies         full-time         No. of credits         5           Status of the course in the study program (Baic, major, other)         (university-wide, from another field)         (brack)           Education areas and fields of science and at         ECTS distribution (number and 5,3)         ECTS distribution (number and 5,3)           Responsible for subject / lecturer:         rhab. in: Pawel Pawlewski email: pawel pawlewski@ put, poznan, pl tot. (61) 6633413         Grade for the fundamentals of management u. Strzeleck 11 60-965 Poznan           1         Knowledge         Student knows the baic concepts of the fundamentals of management.         States advantage of the fundamentals of management.           2         Skills         Student knows the baic concepts, inclogi			STUDY MODULE DE	SCRIPTION FORM			
Logistics - Full-time studies - First-cycle studies         (general academic, practical) (brak)         3 / 5           Elective pathispeciality         -         Polish         Course (compulsary, elective) obligatory           Cycle of study:         First-cycle studies         Form of study (full-time, part-time)         No. of credits           No. of hours         Lecture:         30         Classes:         -         Laboratory:         15         Project/seminars:         5           Status of the course in the study program (Basic, major, other)         (university-wide, from another field)         (brak)           Education areas and fields of science and at         CTS distribution (number and %)         CTS distribution (number and %)           Telesponsible for subject / lecturer:         Responsible for subject / lecturer:         Crease and fields of science and at         ECTS distribution (number and %)           U.Strzelecka 116 0-965 Poznan         u.Strzelecka 116 0-965 Poznan         U.Strzelecka 116 0-965 Poznan         U.Strzelecka 116 0-965 Poznan           1         Knowledge         Student knows the basic concepts of the fundamentals of management.         U.Strzelecka 116 0-965 Poznan           2         Skills         Student knows the basic porceive, to associate and integration and supply chain understand the computer.           2         Skills         Student has the ability to porceive, to associate and manag		,	anning				
Elective pathspeciality         Subject offered in: Poilsh         Course (compulsory, elective) obligatory           Cycle of study;         Form of study (ultilime,part-time)         No. of readits           No. of hours         Lecture:         30         Classes:         -         Laboratory:         15         Project//seminars:         No. of credits         5           Status of the course in the study program (Basic, major, other)         (university-wide, from another filed)         No. of credits         5           Education areas and fields of science and at         Image: Creating and the course in the study program (Basic, major, other)         (university-wide, from another filed)           Education areas and fields of science and at         Image: Creating and the course in the study program (Basic, major, other)         (university-wide, from another filed)           Education areas and fields of science and at         Image: Creating and the course in the study program (Basic, major, other)         (university-wide, from another filed)           I         Knowledge         Student knows the basic concepts of the fundamentals of management, us. Strateleck at 160-965 Poznah         Student knows the basic concepts of the fundamental technologies for the management.           2         Skills         Student is aware of the consequences of their decisions and supply chain understand the fundamental technologies for the management.           2         Skills         Student is aware of th				(general academic, practical	)		
Cycle of study:         First-cycle studies         Form of study (lul-lime, part-time)           No. of hours         full-time           Lecture:         30         Classes:         -         Laboratory:         15         Project/Seminars:         -         5           Status of the course in the study program (Basic, major, other)         (university-wide, from another field)         (brak)         5           Education areas and fields of science and at         ECTS distribution (number and %)         ECTS distribution (number and %)           Responsible for subject / lecturer:         Responsible for subject / lecturer:         Chab. in:2.Pawel Pawlewski         Chab. in:2.Pawel Pawlewski           email: pawel.pawlewski@put.poznan.pl         tel. (61) 6653413         tel. (61) 6653413         tel. (61) 6653413           Wydzial Inzynierii Zaradzania         Faculty of Engineering Management         ul. Strzelocka 11 60-965 Poznań         student knows the basic concepts of the fundamentals of management, logiatics bases, basic competer, basic inventory management, basic operational and supply chain understand the mechanisms of management.           2         Skills         Student has the ability to perceive, to associate and interpret phenomena in organizations can take advantage of the lundamental technologies for the management.           3         Social         Student has the ability to perceive, to associate and interpret phenomena in organizations can take advantage of the lundamental te				Subject offered in:	Course (compulsory, elective)		
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(brak)         (brak)           Education areas and fields of science and at         ECTS distribution (number and %)           Responsible for subject / lecturer:         Responsible for subject / lecturer:           dr hab. inž.Pawel Pawlewski email: pawel.pawlewski@put.poznan.pl tel. (61) 6653413         dr hab. inž.Pawel Pawlewski email: pawel.pawlewski@put.poznan.pl tel. (61) 6653413           wydziel hzynleniz Zarządzania ul. Strzelecka 11 60-965 Poznań         ul. Strzelecka 11 60-965 Poznań           Yzerequisites in terms of knowledge, skills and social competencies:           1         Knowledge           Skills         Student knows the basic concepts of the fundamentals of management, ul. Strzelecka 11 60-965 Poznań           2         Skills           3         Student knows the basic concepts of the fundamentals of management, exchanismo framagement, basic operational and supply chain understand the mechanismo framagement, stek advantage of the fundamental technologies for the management           3         Social competencies         Student ta awere of the consecuences of their decisions and is prepared to take on social responsibility for decisions           Assumptions and objectives of the course:         Other with edsign of logistics processes, know how to identify basic relations existing in the design process - [KIA_W14]           2. Studen ta define the purpose and scope, which includes the design of logistics processes, know how to identify basic relations existing in the design process - [KIA_W14]           3. Student is able	Lectur	e: <b>30</b> Classes	s: - Laboratory: 15	Project/seminars:	- 5		
Education areas and fields of science and art       ECTS distribution (number and %)         Responsible for subject / lecturer:       Responsible for subject / lecturer:         dr hab, in2.Pawel Pawlewski       dr hab, in2.Pawel Pawlewski         email: pawel, pawlewski@put, poznan, pl       email: pawel, pawlewski@put, poznan, pl         tel. (61) 6653413       tel. (61) 6653413         Wydzial inžyriterii Zarządzania       Faculty of Engineering Management         ul. Strzelecka 11 60-965 Poznań       Faculty of Engineering Management         ul. Strzelecka 11 60-965 Poznań       Student knows the basic concepts of the fundamentals of management, logistics bases, basic computer, basic inventory management, basic operational and supply chain understand the mechanisms of management,         2       Skills       Student has the ability to perceive, to associate and interpret phenomena in organizations can take advantage of the fundamental technologies for the management         3       Social competencies       Student is aware of the consequences of their decisions and is prepared to take on social responsibility for decisions         Assumptions and objectives of the course:       Ottain the skills and competencies in the design of logistics processes and management.         9. Student is able to explain the basic concepts, including the design of logistics processes - [K1A_W15]       Student is able to ecognize the basic phenomena, including process - [K1A_W16]         9. Student is able to explain the basic concepts, including the design of logis	Status o	-		(university-wide, from another	,		
dr hab. in2.Pawel Pawlewski       dr hab. in2.Pawel Pawlewski @put.poznan.pl         email: pawel pawlewski @put.poznan.pl       email: pawel pawlewski @put.poznan.pl         tel. (61) 6653413       tel. (61) 6653413         Wydzial Inzynierii Zarządzania       Faculty of Engineering Management         ul. Strzelecka 11 60-965 Poznań       ul. Strzelecka 11 60-965 Poznań         Prerequisites in terms of knowledge, skills and social competencies:         1       Knowledge         2       Skills         3       Social competencies         3       Social competencies         Competencies       Student has the ability to perceive, to associate and interpret phenomena in organizations can take advantage of the fundamental technologies for the management.         3       Social competencies       Student is aware of the consequences of their decisions and is prepared to take on social responsibility for decisions         Assumptions and objectives of the course:         Obtain the skills and competencies in the design of logistics processes and management.         Study outcomes and reference to the educational results for a field of study         Knowledge:         1. student can define the purpose and scope, which includes the design of logistics processes - [K1A_W15]         2. Student is able to explain the basic concepts, including the design of logistics processes - [K1A_W16]					ECTS distribution (number		
email: pawel.pawlewski@put.poznan.pl       email: pawel.pawlewski@put.poznan.pl         tel. (61) 6653413       tel. (61) 6653413         Wydzial Itxynierii Zarządzania       Faculty of Engineering Management         ul. Strzelecka 11 60-965 Poznań       ul. Strzelecka 11 60-965 Poznań         Prerequisites in terms of knowledge, skills and social competencies:         1       Knowledge       Student knows the basic concepts of the fundamentals of management, logistics bases, basic computer, basic inventory management, basic operational and supply chain understand the mechanisms of management,         2       Skills       Student has the ability to perceive, to associate and interpret phenomena in organizations can take advantage of the fundamental technologies for the management         3       Social competencies       Student is aware of the consequences of their decisions and is prepared to take on social responsibility for decisions         Assumptions and objectives of the course:         Obtain the skills and competencies in the design of logistics processes and management.         Study outcomes and reference to the educational results for a field of study         Money eduation is able to recognize the basic phenomena, including the design of logistics processes - [K1A_W15]         Student is able to recognize the basic phenomena, including process design - [K1A_W16]         . Student is able to recognize the basic phenomena, including the design of logistics processes	Resp	onsible for subje	ect / lecturer: R	esponsible for subje	ct / lecturer:		
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Skills:         1. Can design process analysis in the consideration of the problem and formulate the problem as a task object design (engineering) [K1A_U05]         2. Can analyze and assess the scope and need for simulation techniques in the design of logistics processes and to interpret and verify the results obtained from simulation experiments - [K1A_U09]         3. Can choose the appropriate tools and methods to solve the problem of logistics processes and design using appropriate methods and techniques of the logistical process - [K1A_U16]         4. Can identify the attributes of processes and select the correct meters processes for the future management - [K1A_U08]		-					
<ul> <li>(engineering) [K1A_U05]</li> <li>2. Can analyze and assess the scope and need for simulation techniques in the design of logistics processes and to interpret and verify the results obtained from simulation experiments - [K1A_U09]</li> <li>3. Can choose the appropriate tools and methods to solve the problem of logistics processes and design using appropriate methods and techniques of the logistical process - [K1A_U16]</li> <li>4. Can identify the attributes of processes and select the correct meters processes for the future management - [K1A_U08]</li> </ul>							
<ul> <li>and verify the results obtained from simulation experiments - [K1A_U09]</li> <li>3. Can choose the appropriate tools and methods to solve the problem of logistics processes and design using appropriate methods and techniques of the logistical process - [K1A_U16]</li> <li>4. Can identify the attributes of processes and select the correct meters processes for the future management - [K1A_U08]</li> </ul>			sis in the consideration of the proble	m and formulate the probler	n as a task object design		
methods and techniques of the logistical process - [K1A_U16] 4. Can identify the attributes of processes and select the correct meters processes for the future management - [K1A_U08]					sistics processes and to interpret		
	method	is and techniques of t	he logistical process - [K1A_U16]				
•				meters processes for the fut	ure management - [K1A_U08]		

Student is willing to cooperate and work in groups on problems related to the design of logistics processes - [K1A\_K03]
 He can see cause-and-effect relationships in the implementation of the set objectives and range an importance tasks during the implementation of projects of simulation - [K1A\_K04]

Assessment methods of	study outcomes	
- Examination + Credit simulation project performed in the laboratory	, credit of project made in the e	enterprise
Course descr	iption	
- Orientation functional and process in business management. Proce processes. Models and standardization of processes. Process mapp Methods and techniques of process improvement. Managing proces processes. Methodology for process management. The implemental organization of the process in the company. Methodology for process	ing. Designing and implementing ses. The nature and objectives ion of the process approach in	ng process changes. of management
Basic bibliography:		
1. Logistics An Introduction to Supply Chain Management, Waters. I	., Palgrave Macmillan, 2003	
2. Reengineering, Reformowanie procesów biznesowych w przedsię WPP, Poznań, 2009	biorstwie,, Pacholski, L., Cemp	el, W., Pawlewski P.,
3. Procesy i projekty logistyczne, Nowosielski S. (red.) , Wyd.UE , V	/rocław, 2008	
4. Budowa modelu przepływu procesu, (skrypt elektr.), Pawlewski F	., IIZ Poznań 2009	
5. Wróbel G. Podstawy symulacji Flexsim 5, Materiały szkoleniowe,	Cempel Consulting 2012	
Additional bibliography:		
1. Zarządzanie logistyczne, Coyle J.J., Bardi E.J., Langley Jr.C.J., P	VE, 2002	
2. Wprowadzenie do zarządzania operacjami i łańcuchem dostaw, E	ozarth, C., Handfield, R.B., He	lion, 2007
Result of average stud	ent's workload	
Activity		Time (working hours)
1. Lectures		30
2. Laboratory		15
3. Consultation		20
4. Preparing for classes	15	
5. Independent student work	18	
6. exam		2
Student's wo	kload	
Source of workload	hours	ECTS
Total workload	100	4
On a family state of the same	68	
Contact hours	00	3