

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Logistics		Code 1011101241011100434
Field of study Engineering Management - Full-time studies -	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 4
Elective path/specialty -	Subject offered in: Polish	Course (compulsory, elective) elective
Cycle of study: First-cycle studies	Form of study (full-time,part-time) full-time	
No. of hours Lecture: 15 Classes: 15 Laboratory: - Project/seminars: -		No. of credits 4
Status of the course in the study program (Basic, major, other) (brak)		(university-wide, from another field) (brak)
Education areas and fields of science and art technical sciences Technical sciences		ECTS distribution (number and %) 4 100% 4 100%
Responsible for subject / lecturer: dr inż. Karolina Werner-Lewandowska email: karolina.werner@put.poznan.pl tel. 616653414 Wydział Inżynierii Zarządzania ul. Strzelecka 11, 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student has basic knowledge of management and organization of processes
2	Skills	Student can identify the flow of materials in the company
3	Social competencies	The student is able to associate socio-economic phenomena with the conditions of functioning of the company
Assumptions and objectives of the course: To familiarize students with logistics processes and how to organize material flow, selected problems and solutions used in the field of logistics		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Student has basic knowledge about the life cycle of machinery and technical equipment used in logistics - [K1A_W21] 2. Student knows the basic methods, techniques, tools, which utilize the solving of simple engineering tasks in the scope of construction and operation of machines and equipment used in logistics - [K1A_W24]		
Skills:		
1. Student Can correctly use normative systems and selected norms and rules (legal, professional, moral) in order to solve a particular task in the field of economics and disciplines of management science in the area of logistics - [K1A_U05] 2. Student Can identify project tasks and solve simple design tasks in the field of construction and operation of machines used to carry out logistics processes in an enterprise - [K1A_U17] 3. Student Can design the design and technology of simple parts and subassemblies used to carry out logistics processes in an enterprise and to design the organization of first level complexity production units in the area of the implementation of logistics processes supporting the production process. - [K1A_U19]		
Social competencies:		
1. The student understands and is aware of the importance of non-technical aspects and effects of the engineering activities, including its environmental impact, and the resulting responsibility for the decisions made in the field of logistics. - [K1A_K08] 2. The student is aware that the creation of products that meet the needs of users requires a system approach in the area of logistics, including technical, economic, marketing, legal, organizational and financial issues. - [K1A_K09]		

Assessment methods of study outcomes		
815/5000 lectures: 1. Formative (short) case study-related short stories, addressed in the topic of the lecture, solved in groups of 2-3 2. Summative assessment: includes the results of the final one-time written test (14 weeks of semester) in the material discussed in the lectures and takes into account formative assessments. The summary score is the average of the test scores and case studies. exercises: 1. Evaluating short-form case studies, accounting tasks in the field of the problem, solving in groups of 2-3 2. Summative assessment: includes the final test (14 weeks of semester) in the material discussed in the exercise and includes the formative assessment. The summary score is the mean of the scores from the colloquium and partial tasks.		
Course description		
446/5000 Functional and material aspects of logistics. Characteristics of logistic processes. Requirements and problems in the discussed logistics processes. Solutions used in logistics today. The concept of integration of material flow, supply chains and global logistics. Lecture: information lecture in combination with conversational, case method Exercises: exercise method, oxford method, round table, games, case method		
Basic bibliography:		
1. Kisperska- Moroń, Krzyżaniak str., Logistyka, ILIM, Poznań, 2009 2. Blaik P., Logistyka. Koncepcja zintegrowanego zarządzania, PWE, Warszawa, 2010 3. Skowronek Cz., Sarjusz- Wolski Z., Logistyka w przedsiębiorstwie, PWE, Warszawa, 2012 4. Lus T., Rokicki W., Śliwka R., Studia przypadków. Rzeczywiste problemy z polskich firm rozwiązane na podstawie prawdziwych danych, PWE, Warszawa, 2015		
Additional bibliography:		
1. Fertsch M. (red.) Słownik terminologii logistycznej. Wydanie2, ILIM, Poznań, 2016 2. Blaik P., Bruska A., Kauf S., Matwiejczyk R., Logistyka w systemie zarządzania przedsiębiorstwem, PWE, Warszawa, 2013 3. Kauf S., Sadowski A., Szoltysek J., Twaróg S., Płaczek E., Vademecum logistyki, Difin, Warszawa, 2016		
Result of average student's workload		
Activity	Time (working hours)	
1. Participation in lectures	15	
2. Participate in exercises	15	
3. Preparation for exercises	15	
4. Preparing to pass the exercises	20	
5. Consultations	20	
6. Preparing to pass lectures	15	
7. Credit	2	
Student's workload		
Source of workload	hours	ECTS
Total workload	102	4
Contact hours	52	2
Practical activities	15	1