

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Logistics		Code 1010601341010620400
Field of study Transport	Profile of study (general academic, practical) general academic	Year /Semester 2 / 4
Elective path/specialty -	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: First-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 2 Classes: 1 Laboratory: - Project/seminars: -		No. of credits 4
Status of the course in the study program (Basic, major, other) other		(university-wide, from another field) university-wide
Education areas and fields of science and art technical sciences		ECTS distribution (number and %) 4 100%
Responsible for subject / lecturer: Anna Kobaszyńska-Twardowska email: anna.kobaszynska-twardowska@put.poznan.pl tel. 612244511 Wydział Inżynierii Transportu Piotrowo 3, 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	The student has a basic knowledge of the place of transport. The student knows and simply the basic methods and practical tools report the description of the transport. The student knows the main communication activities in the apartment and is the environment of enterprises and countries.
2	Skills	The student knows how to use the concepts and methods in the description of technical and economic problems. The student can use the acquired knowledge to analyze specific phenomena and processes occurring in technical and economic systems. The student is able to solve specific tasks appearing in technical and economic systems.
3	Social competencies	The student is able to cooperate in a group, taking various roles in it. The student can determine the priorities important in solving the tasks set before him. Student demonstrates independence in solving problems, acquiring and improving acquired knowledge and skills.
Assumptions and objectives of the course: The aim of the course is to provide students with information on logistics, definitions and concepts. Students acquire knowledge and skills in the field of logistics functioning within various industrial and service enterprises, in various branches of transport and warehouse management.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Student has a structured, theoretically founded knowledge of logistics, knows: the essence of logistics, reasons for the development of logistics concepts, the structure of logistics systems, logistics management - [[K1A_W09]] 2. Student has detailed knowledge of the importance of logistics in the procurement, production and sales phases, models for shaping the level of inventories, the importance of logistics in transport, logistics chains - [[K1A_W09]] 3. Student has detailed knowledge of logistics systems, knows: organization methods and technology of cargo and people transport, methods of selection of means for tasks - [[K1A_W10]]		
Skills:		

1. Student can acquire information from literature, the Internet, databases and other sources, in Polish and foreign languages - [[K1A_U01]]
2. Student can communicate using various techniques in a professional environment and other environments using the description of logistic systems - [[K1A_U02]]
3. Student can organize and substantively manage the process of transport and logistics and forwarding covered by the field of study, especially chosen specialty - [[K1A_U16]]
4. Student can use the acquired mathematical theories to create and analyze simple logistic models - [[K1A_U18]]
Social competencies:
1. Student understands the need and knows the possibilities of continuous training, knows the need to acquire new knowledge for professional development - [[K1A_K01]]
2. Student can think and act in an entrepreneurial way, make decisions, act for the development of the employer and society - [[K1A_K07]]
3. Student is aware of the transfer of knowledge gained to the public, makes efforts to make this information understandable - [[K1A_K08]]

Assessment methods of study outcomes		
Exam, final test, project		
Course description		
Main definitions of logistics, logistic tasks, outline of logistics history, logistic development stages, logistic customer service and its main elements, measures and customer service standards based on selected market segments, inventory renewal cycle, basic methods of inventory renewal, ABC / XYZ method of stock classification at based on selected market segments, components of full logistic costs, comparison of logistics costs in various modes of transport, basics of forecasting demand,		
Basic bibliography:		
1. Beier F.J., Rutkowski K.: Logistyka. SGH, Warszawa 1993.		
2. Coyle J., Bardi E., Langley C.: Zarządzanie Logistyczne. PWE, Warszawa 2007		
3. Praca zbiorowa: Podstawy logistyki. Biblioteka Logistyka, Poznań 2008.		
4. Rydzkowski W., Wojewódzka-Król K. (red.): Transport. PWN, Warszawa 1998.		
5. Stajniak M., Hajdul M., Foltyński M., Krupa A.: Transport i spedycja. Biblioteka Logistyka, Poznań 2008		
Additional bibliography:		
1. Krzyżaniak S., Cyplik P.: Zapasy i magazynowanie. Tom I. Zapasy. Biblioteka Logistyka, Poznań 2008.		
2. Niemczyk A.: Zapasy i magazynowanie. Tom II. Magazynowanie. Biblioteka Logistyka, Poznań 2008.		
3. Nyszk W., Współczesna logistyka - wybrane aspekty, Księgarnia Akademicka AON, 2013		
4. Gołomska E., Kompendium wiedzy o logistyce, PWN Warszawa 2017.		
5. Galińska B., Gospodarka magazynowa, Difin, 2016.		
Result of average student's workload		
Activity	Time (working hours)	
1. Preparation for the lecture	1	
2. Participation in the lecture	30	
3. Fixing the content of the lecture	4	
4. Consultations for lectures	5	
5. Preparation for the exam	10	
6. Participation in the exam	2	
7. Preparation for exercises	4	
8. Participation in exercises	15	
9. Strengthening the content of exercises	4	
10. Consultations for exercises	5	
11. Preparation for passing	10	
12. Participation in the credit	1	
Student's workload		
Source of workload	hours	ECTS
Total workload	91	4
Contact hours	58	2

Practical activities	0	0
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