

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Introduction to logistics		Code 1010621271010605973
Field of study Mechanical Engineering	Profile of study (general academic, practical) general academic	Year /Semester 4 / 7
Elective path/specialty Thermal Engineering and Renewable Energy	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: 1 Classes: - Laboratory: - Project/seminars: -		No. of credits 1
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 Technical sciences		ECTS distribution (number and %) 1 100% 1 100%
Responsible for subject / lecturer: dr inż. Szymon Fierek email: szymon.fierek@put.poznan.pl tel. 616652716 Faculty of Transport Engineering ul. 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 in the system of economy, science and relations with other areas of knowledge. The student knows and understands the basic methods and practical tools from the description of transport. The student knows the main tasks of transport in the area of operation and economic development of enterprises and the state.
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. Has elementary knowledge of economics and economics of industrial enterprises, the banking system, commercial law, and business accounting - [M1_W024]		
Skills:		
1. Has the ability to self-study using modern teaching tools, such as remote lectures, websites and databases, didactic programs, e-books - [M1_U27]		
Social competencies:		
1. Is ready to think and act in an entrepreneurial way - [M1_K05]		

Assessment methods of study outcomes		
Final test		
Course description		
General 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. Praca zbiorowa: Podstawy logistyki. Biblioteka Logistyka, Poznań 2008.		
2. Stajniak M., Hajdul M., Folyński M., Krupa A.: Transport i spedycja. Biblioteka Logistyka, Poznań 2008		
3. Rydzkowski W., Wojewódzka-Król K. (red.): Transport. PWN, Warszawa 1998.		
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. Gołemska 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	15	
3. Fixing the content of the lecture	4	
4. Consultations for lectures	4	
5. Preparation for passing	10	
6. Participation in the credit	1	
Student's workload		
Source of workload	hours	ECTS
Total workload	35	1
Contact hours	20	0
Practical activities	0	0