

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Logistics</b>		Code <b>1011101311011110434</b>
Field of study <b>Logistics - Full-time studies - First-cycle studies</b>	Profile of study (general academic, practical) <b>general academic</b>	Year /Semester <b>1 / 1</b>
Elective path/specialty <b>-</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>First-cycle studies</b>	Form of study (full-time, part-time) <b>full-time</b>	
No. of hours Lecture: <b>30</b> Classes: <b>15</b> Laboratory: <b>-</b> Project/seminars: <b>-</b>		No. of credits <b>6</b>
Status of the course in the study program (Basic, major, other) <b>other</b>		(university-wide, from another field) <b>from field</b>
Education areas and fields of science and art <b>technical sciences</b>		ECTS distribution (number and %) <b>6 100%</b>
<b>Responsible for subject / lecturer:</b> dr inż. A. Stachowiak email: agnieszka.stachowiak@put.poznan.pl tel. 61 665 3401 Wydział Inżynierii Zarządzania ul. Strzelecka 11, 60-965 Poznań		<b>Responsible for subject / lecturer:</b> Dr hab. inż. Marek Fertsch, prof. nadzw. email: marek.fertsch@put.poznan.pl tel. 061 665 33 74 Wydział Inżynierii Zarządzania ul. Strzelecka 11, 60-965 Poznań
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Ma podstawową wiedzę z zarządzania i organizacji procesów
2	<b>Skills</b>	Potrafi identyfikować etapy przepływu materiałów w przedsiębiorstwie
3	<b>Social competencies</b>	Jest zdolny do kojarzenia zjawisk społeczno-ekonomicznych z warunkami funkcjonowania przedsiębiorstwa
<b>Assumptions and objectives of the course:</b> Providing students with knowledge on logistics process and the way of material flow management, selected problems, and solutions applied in contemporary logistics		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. He knows the basic relationships within logistics and its specific issues (inventory management, distribution logistics, production and supply logistics, operation logistics, environmentalism) and supply chain management (T1A_W03) - [K1A_W14]		
2. Student can explain basic concepts for logistics and its specific issues (inventory management, distribution logistics, production and supply logistics, operation logistics, environmentalism) and supply chain management (T1A_W03) - [K1A_W15]		
3. Student can explain in detail the specific concepts for logistics and its specific issues (inventory management, distribution logistics, production and supply logistics, operation logistics, environmentalism) and supply chain management phenomena (T1A_W04) - [K1A_W17]		
4. Can indicate current trends within logistics and its specific issues (inventory management, distribution logistics, production and supply logistics, operation logistics, environmentalism) and supply chain management phenomena (T1A_W05) - [K1A_W19]		
<b>Skills:</b>		
1. Is able to search on the basis of the subject literature and other sources and in an orderly manner to present information on the problem within logistics and its specific issues (inventory management, distribution logistics, production and supply logistics, operation logistics, environmentalism) and supply chain management - [K1A_U01]		
2. Is able to present, using appropriately selected measures, the problem within the framework of logistics and its specific issues (inventory management, distribution logistics, production and supply logistics, operation logistics, environmentalism) and supply chain management - [K1A_U02]		
3. Is able to independently develop a given problem within the studied subject - [K1A_U05]		

<b>Social competencies:</b>
1. Is aware of the need to learn throughout life; to inspire and organize the learning process of other people within the issues covered in the study subject (T1A_KO1) - [K1A_K01]
2. Is able to correctly identify and resolve dilemmas related to the profession of logistics (T1A_K05) - [K1A_K05]
3. He knows typical engineering technologies in the field of logistics and its specific issues (InzA_W05) - [KInzA_W05]

<b>Assessment methods of study outcomes</b>		
Forming rating		
a) exercises: based on the implementation of exercises, including the calculation of sales forecasts, the size of inventory, costs in procurement systems, suppliers' evaluation, scheduling of supplies performed during classes, presentation of their level of advancement and obtained results		
b) lecture: based on active participation in classes, answers to questions about the material discussed on a regular basis		
Summary rating		
a) exercises: colloquium covering the scope of exercises carried out during classes during the semester		
b) lecture: oral exam, covering the scope of issues discussed during the lecture and formulated in the form of a list of questions made available to students in didactic materials		
<b>Course description</b>		
Genesis, functional and material range of logistics. Characteristics of logistics processes. Requirements and problems within the discussed logistics processes. Solutions used today in logistics. The concept of integration of material flow, supply chains and global logistics.		
Teaching methods:		
lecture: informative lecture, limited problem lecture		
exercises: exercise method (subject-oriented exercises), in a limited scope a workshop method		
<b>Basic bibliography:</b>		
1. Logistyka. Teoria i praktyka, praca zbiorowa, Difin 2011		
2. Skowronek C., Sarjusz-Wolski Z., Logistyka w przedsiębiorstwie, PWE 2008		
3. C.H.Pfohl, Systemy logistyczne, ILIM 2001		
4. C.H.Pfohl, Zarządzanie logistyką, ILIM 2002		
<b>Additional bibliography:</b>		
1. Kozłowski R., Sikorski A., Podstawowe zagadnienia współczesnej logistyki, Oficyna Wydawnicza 2009		
2. Fertsch M., Słowni terminologii logistycznej, ILIM 2016		
3. Logistyka i zarządzanie produkcją ? narzędzia, techniki, metody, modele, systemy, Fertsch M., Grzybowska K., Stachowiak A. [red.], Politechnika Poznańska, Poznań 2008		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
1. Attending lectures	30	
2. Attending seminars	15	
3. Studying for classes	25	
4. Studying for final test on classes	25	
5. Studying for test on lectures	30	
6. Consultation	25	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	150	6
Contact hours	70	3
Practical activities	15	1