

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Distribution logistics</b>		Code <b>1011104331011112981</b>
Field of study <b>Logistics - Part-time studies - First-cycle</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>2 / 3</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>part-time</b>	
No. of hours Lecture: <b>14</b> Classes: <b>-</b> Laboratory: <b>-</b> Project/seminars: <b>16</b>		No. of credits <b>4</b>
Status of the course in the study program (Basic, major, other) <b>(brak)</b>		(university-wide, from another field) <b>(brak)</b>
Education areas and fields of science and art		ECTS distribution (number and %)
<b>Responsible for subject / lecturer:</b> dr inż. Roman Domański email: roman.domanski@put.poznan.pl tel. 616653385 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań		<b>Responsible for subject / lecturer:</b> dr inż. Roman Domański email: roman.domanski@put.poznan.pl tel. 616653385 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Student knows the basics of logistics.
2	<b>Skills</b>	Student can use basic logistic measures.
3	<b>Social competencies</b>	Student wants to cooperate in a group.
<b>Assumptions and objectives of the course:</b> The aim of the course is to introduce students with the organization of distribution systems - their diversity, structure and functioning. Students will learn a number of useful concepts and tools used most often in the field of distribution logistics.		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. Student knows the basic dependencies within the framework of the distribution and supply chain logistics eg tasks and distribution functions - [K1A_W14]		
2. Student can explain basic concepts for distribution logistics and supply chain eg forms and distribution channels - [K1A_W15]		
3. Student is able to recognize the basic phenomena characteristic for logistics distribution and supply chain eg Forrester effect - [K1A_W16]		
4. Student can explain in detail the characteristic concepts for distribution and supply chain logistics eg types and functions of intermediaries in distribution channels - [K1A_W17]		
5. Student is able to formulate the basic dependencies within distribution and supply chain logistics eg the steps of designing the distribution system - [K1A_W18]		
6. Student is able to identify modern trends in logistics distribution and supply chains eg mulichannel, crosschannel, omnichannel - [K1A_W19]		
7. Student is able to characterize the best practices in logistics distribution and supply chain eg sustainability development requirements - [K1A_W20]		
<b>Skills:</b>		

<ol style="list-style-type: none"> <li>1. Student can search on the literature of the subject and other sources and in an orderly way present information about the problem of designing the distribution system - [K1A_U01]</li> <li>2. Student can present the designed distribution system with the help of properly selected means - [K1A_U02]</li> <li>3. Student is able to prepare and present an oral presentation on specific issues related to the organization of the distribution system - [K1A_U04]</li> <li>4. Student is able to develop his own project of the distribution system - [K1A_U05]</li> <li>5. Student can formulate using the analytical methods, the simulation task of designing the distribution system - [K1A_U09]</li> <li>6. Student is able to assess in economic terms the chosen distribution system - [K1A_U12]</li> <li>7. Student can perform critical analysis of the projected or existing distribution system - [K1A_U13]</li> <li>8. Student can design using appropriate methods and techniques of distribution system - [K1A_U16]</li> </ol>
<p><b>Social competencies:</b></p> <ol style="list-style-type: none"> <li>1. Student is aware of the need for lifelong learning in distribution logistics - [K1A_K01]</li> <li>2. Student is willing to cooperate and work in the group within the framework of the developed project of the distribution system - [K1A_K03]</li> <li>3. Student can properly identify and solve dilemmas connected with the performance of the profession of logistics working in the field of distribution - [K1A_K05]</li> <li>4. Student knows typical engineering technologies in the field of distribution logistics eg center of gravity method, distribution requirements planning method, centralization and decentralization of stocks - [K1nza_W05]</li> </ol>

<b>Assessment methods of study outcomes</b>	
<p>Formative assessment:</p> <ol style="list-style-type: none"> <li>a) project: on the basis of an assessment of the current progress of tasks,</li> <li>b) lectures: based on answers to questions about the material discussed in the previous classes.</li> </ol> <p>Summary assessment:</p> <ol style="list-style-type: none"> <li>a) project: on the basis of the project and its final defense,</li> <li>b) lectures: final written answer to the questions asked.</li> </ol>	
<b>Course description</b>	
<p>The subject matter covers the following issues: essence, tasks and functions of distribution logistics; distribution channel theory; forms of distribution; types and functions of intermediaries in distribution channels; shaping of assortment in the point of view of distribution logistics. Students are also familiar with selected issues important for distribution logistics: center of gravity method, centralization and decentralization of stocks, distribution requirement planning, analysis of distribution center functioning.</p> <p>Didactic methods:</p> <ol style="list-style-type: none"> <li>a) project: classic problematic method, case study method,</li> <li>b) lectures: information lecture, conversatory lecture, problem lecture.</li> </ol>	
<b>Basic bibliography:</b>	
<ol style="list-style-type: none"> <li>1. Czubała A., (2001), Dystrybucja produktów, Polskie Wydawnictwo Ekonomiczne, Warszawa</li> <li>2. Bendkowski J., Pietrucha-Pacut M., (2003), Podstawy logistyki w dystrybucji, Wydawnictwo Politechniki Śląskiej, Gliwice</li> <li>3. Cyplik P., Hadaś Ł., Fertsch M., (2011), Zarządzanie dystrybucją, Wydawnictwo Politechniki Poznańskiej, Poznań</li> <li>4. Domański R., Hadaś Ł., (2017), Kształowanie systemu logistycznej obsługi klienta w warunkach realizacji strategii omnichannel, Gospodarka Materiałowa i Logistyka 07/2017</li> </ol>	
<b>Additional bibliography:</b>	
<ol style="list-style-type: none"> <li>1. Śliwczyński B., Koliński A., (2014), Organizacja i monitorowanie procesów dystrybucji, Instytut Logistyki i Magazynowania, Poznań</li> <li>2. Cyplik P., Głowacka D., Fertsch M., (2008), Logistyka przedsiębiorstw dystrybucyjnych, Wyższa Szkoła Logistyki, Poznań</li> <li>3. Rutkowski K. (red.), (2001), Logistyka dystrybucji, Wydawnictwo Difin, Warszawa</li> </ol>	
<b>Result of average student's workload</b>	
Activity	Time (working hours)
1. Preparing for the exam	20
2. Project realisation (own work)	30
3. Lecture	14
4. Project	16
5. Project consultation	20

<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	100	4
Contact hours	50	2
Practical activities	16	1