STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Distribution logistics		**1011101431011112981**
Field of study	Profile of study (general academic, practical)	Year /Semester
Logistics - Full-time studies - First-cycle studies	**(brak)**	**2 / 3**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
-	**Polish**	**obligatory**
Cycle of study:	Form of study (full-time,part-time)	
First-cycle studies	**full-time**	
No. of hours		No. of credits
Lecture: **15** Classes: **15** Laboratory: **-** Project/seminars: **-**		**4**
Status of the course in the study program (Basic, major, other)	(university-wide, from another field)	
(brak)	**(brak)**	
Education areas and fields of science and art		ECTS distribution (number and %)

Responsible for subject / lecturer:

dr inż. Piotr Cyplik
email: piotr.cyplik@put.poznan.pl
tel. 616653401
Wydział Inżynierii Zarządzania
ul. Strzelecka 11 60-965 Poznań

Responsible for subject / lecturer:

dr inż. Piotr Cyplik
email: piotr.cyplik@put.poznan.pl
tel. 616653401
Faculty of Engineering Management
ul. Strzelecka 11 60-965 Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Student knows the basic division of logistics systems.
2	**Skills**	1. Student is able to organize the process of renewing stock. 2. Student can use the basic measures of customer service.
3	**Social competencies**	Student has a willingness to cooperate in a group.

Assumptions and objectives of the course:

The course aims to familiarize students with the theory of distribution channels, the analysis of structures and strategies on trade, defining nature of effective customer service. Students should acquire skills for the application logic of distribution channels in business operations.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Student is able to define the essential elements of distribution logistics - [K1A_W14;K1A_W15;K1A_W20]
2. Student is able to identify and formulate the basic relations between production, inventory, warehousing and transportation in the context of distribution logistics - [K1A_W16;K1A_W17;K1A_W18;KInzA_W05]
3. Student knows the historical development of distribution logistics - [K1A_W19]

Skills:

1. Student can design a process to analyze the efficiency of distribution logistics - [K1A_U01;K1A_U12]
2. Student is able to define the distribution problems as the essential elements of the logistics process - [K1A_U02]
3. Student is able to using a spreadsheet to design simple algorithms necessary for the distribution - [K1A_U04;K1A_U05;K1A_U09]

Social competencies:

1. The student is prepared to help and cooperate in the project group - [K1A_K03]
2. Student is responsible for the identification and resolution of the dilemmas associated with inventory management - [K1A_K01]
3. The student is determined to think in an entrepreneurial way of distribution logistics - [K1A_K05]

Assessment methods of study outcomes

Formative assessment:

a) For the classes: on the basis of progress in the implementation stages of the project (created in classes), and knowledge of the issues necessary to carry b) for the lecture: on the basis of answers to questions about the topics covered in previous lectures

Recapitulative assessment:

a) For the classes: on the basis of (1) the quality of the project (2) answers to questions about the project b) for the lecture: on the basis of colloquium - written work on the issues discussed during the lecture. The exam can be applied after obtaining the ratings of the project and the laboratory. The exam is passed, after giving the correct answers to most questions

Course description

The issue of course includes the following topics: the nature and structure of distribution channels, sales and retail trade, price formation in the channels of distribution, logistics management of goods distribution processes, design of distribution channels include ECR methods and tools (VMI, CPFR, etc.), cooperation and conflict in channels of distribution (include DRP logic - the importance of cooperation in the optimization process and the level of stocks). In implementing the course, students will make managerial decisions based on case studies.

Basic bibliography:

1. Cyplik P., Hadaś Ł., Fertsch M., Zarządzanie dystrybucją, Wydawnictwo PP, Poznań 2011

2. Rutkowski K. (red.) Logistyka dystrybucji, Difin, Warszawa 2001

Additional bibliography:

1. Coyle J. J., Bardi E. I., Langley J. Jr Zarządzanie logistyczne PWE Warszawa 2002

2. Krzyżaniak S., Cyplik P. Zapasy i magazynowanie, Tom I Zapasy, Podręcznik do kształcenia w zawodzie technik logistyk ILiM Poznań 2007

Result of average student's workload

Activity	Time (working hours)
1. Preparing for the Exam	20
2. Preparation for the exercise and pass of the project	20
3. Project realisation	20
4. Lectures	15
5. Classes	15
6. Project consultation	10

Student's workload

Source of workload	hours	ECTS
Total workload	100	4
Contact hours	30	2
Practical activities	40	2