STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Informatic systems in logistics**		Code **1011102421011167647**
Field of study **Logistics - Full-time studies - Second-cycle**	Profile of study (general academic, practical) **(brak)**	Year /Semester **1 / 2**
Elective path/specialty **Chain of Delivery Logistics**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**

Cycle of study: **Second-cycle studies**	Form of study (full-time,part-time) **full-time**

No. of hours				No. of credits
Lecture: **15** Classes: **-** Laboratory: **15** Project/seminars: **15**				**5**

Status of the course in the study program (Basic, major, other) **(brak)**	(university-wide, from another field) **(brak)**

Education areas and fields of science and art **technical sciences**	ECTS distribution (number and %**)** **5 100%**

Responsible for subject / lecturer:

dr hab. inż. Marek Fertsch, prof. nadzw.
email: marek.fertsch@put.poznan.pl
tel. 616653416
Inżynierii Zarządzania
ul. Strzelecka 11, 60-965 Poznań

Responsible for subject / lecturer:

dr inż. Katarzyna Ragin-Skorecka
email: katarzyna.ragin-skorecka@put.poznan.pl
tel. 616653389
Inżynierii Zarządzania
ul. Strzelecka 11, 60-965 Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	It has a basic knowledge of computer science, economics and management sciences.
2	**Skills**	Able to interpret and describe basic rights and processes that affect the business of the enterprise.
3	**Social competencies**	It is aware of the social context of business operations, and understands basic social phenomena.

Assumptions and objectives of the course:

Students should familiarize themselves with the knowledge relating to the main issues concerning the IT systems used in logistics.

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

Knowledge:

1. He knows the basic concepts characteristic within the subject being studied for the logistics - [K2A_W09]

2. We know the systems and their basic functions used in logistics and related areas - [K2A_W12]

3. Can explain in detail the methods, tools and techniques specific to the subject being studied for the logistics - [K2A_W13]

4. He knows the trends in the use of information systems in business management - [K2A_W17]

5. It characterizes the essence of the functioning of the enterprise operating an integrated IT system - [K2A_W25]

Skills:

1. Able to communicate using appropriate personal in a professional environment as well as in other environments, in terms of subject being studied - [K2A_U02]

2. Can within the subject being studied into practice learning process - [K2A_U05]

3. Can formulate and solve problems through interdisciplinary integration of knowledge in the fields and disciplines used to design logistics systems - [K2A_U10]

4. Is able to formulate and test hypotheses regarding the issues related to the design of logistics systems - [K2A_U11]

5. Can assess the usefulness and ability to use new achievements (techniques and technologies), in terms of logistics and related functional areas - [K2A_U12]

6. Can look appropriate for industrial-safety issues issues falling within the scope of logistics - [K2A_U13]

Social competencies:

1. He is aware of the responsibility for own work and willingness to comply with the principles of teamwork and shared responsibility for the implementation of tasks - [K2A_K03]

Assessment methods of study outcomes
Lecture: card activity, written test
Laboratories, projects: the current work on classes, database design

Course description
The course provides an overview of issues in the field of information systems applications in logistics. The scope of activities includes:
1. Integrated management systems
2. Election of the management system in logistics
3. Systems logistics and warehouse management
4. Introduction to databases
5. Data Controls

Basic bibliography:

1. Rutkowski K. (2002). Logistyka on-line. PWE. Warszawa.

2. Majewski J. (2006). Informatyka dla logistyki. Biblioteka logistyka. Poznań.

3. Wieczerzycki W. (2012). E-logistyk@. PWE. Warszawa.

Additional bibliography:

Result of average student's workload

Activity	Time (working hours)
1. Lectures	15
2. Laboratories	15
3. Project	15
4. Preparation for laboratory	10
5. Written exam	2
6. Consultations	10
7. Preparing to exam	18
8. Preparing to project	20

Student's workload

Source of workload	hours	ECTS
Total workload	125	5
Contact hours	75	3
Practical activities	50	2