

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Informatic systems in logistics</b>		Code <b>1011105321011167647</b>
Field of study <b>Logistics - Part-time studies - Second-cycle</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>1 / 2</b>
Elective path/specialty <b>Corporate Logistics</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>Second-cycle studies</b>	Form of study (full-time, part-time) <b>part-time</b>	
No. of hours Lecture: <b>12</b> Classes: <b>-</b> Laboratory: <b>14</b> Project/seminars: <b>-</b>		No. of credits <b>5</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 <b>technical sciences</b> <b>Technical sciences</b>		ECTS distribution (number and %) <b>5 100%</b> <b>5 100%</b>
<b>Responsible for subject / lecturer:</b>  dr inż. Katarzyna Ragin-Skorecka email: katarzyna.ragin-skorecka@put.poznan.pl tel. 61-665-33-89 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>	It has a basic knowledge of computer science, economics and management sciences.
2	<b>Skills</b>	Able to interpret and describe basic rights and processes that affect the business of the enterprise.
3	<b>Social competencies</b>	It is aware of the social context of business operations, and understands basic social phenomena.
<b>Assumptions and objectives of the course:</b> Students should familiarize themselves with the knowledge relating to the main issues concerning the IT systems used in logistics.		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
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]		
<b>Skills:</b>		
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 falling within the scope of logistics - [K2A_U13]		
<b>Social competencies:</b>		

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. Wieczerzycki W. (2012). E-logistyk@. PWE. Warszawa.
3. Ragin-Skorecka K., Urbaniak J. (2014). Zarządzanie projektami informatycznymi - studium przypadku. w: Trzcieliński S., Zaborowski T. (red.) Licentia poetica zarządzania, III Szkoła Naukowa Zarządzania, monografia. Poznań, s. 59 - 75.
4. Ragin-Skorecka K. (2005). UML ? język opisu wymagań klientów. Zeszyty Naukowe Politechniki Poznańskiej. Organizacja i Zarządzanie, nr 41, s. 83-91

### Additional bibliography:

1. Ragin-Skorecka K., Nowak F. (2016). Information Is The Key In Optimization of Transport Processes. Information Systems In Management. Vol. 5, no. 2, p. 227-236
2. Majewski J. (2006). Informatyka dla logistyki. Biblioteka logistyka. Poznań.

### Result of average student's workload

Activity	Time (working hours)
1. Lectures	12
2. Laboratories	14
3. Preparation for laboratory	10
4. Written exam	2
5. Consultations	10
6. Preparing to exam	18
7. Preparing to project	20

### Student's workload

Source of workload	hours	ECTS
Total workload	100	5
Contact hours	70	3
Practical activities	30	2