STUDY MODULE DESCRIPTION FORM

Name of the module/subject	Code
Informatic systems in logistics	**1011102321011167647**

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

Cycle of study:	Form of study (full-time,part-time)
Second-cycle studies	**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)	(university-wide, from another field)
(brak)	**(brak)**

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

Responsible for subject / lecturer:

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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. 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	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	105	5
Contact hours	75	3
Practical activities	30	2