# STUDY MODULE DESCRIPTION FORM

| Name of the module/subject | Code |
|---|---|
| **Informatic systems in logistics** | **1011105321011167647** |

| Field of study | Profile of study (general academic, practical) | Year /Semester |
|---|---|---|
| **Logistics - Part-time studies - Second-cycle** | **general academic** | **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** | **part-time** |

| No. of hours | No. of credits |
|---|---|
| Lecture: **12** Classes: **-** Laboratory: **14** Project/seminars: **-** | **5** |

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

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

## Responsible for subject / lecturer:

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

## 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<br>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:<br>1. Integrated management systems<br>2. Election of the management system in logistics<br>3. Systems logistics and warehouse management<br>4. Introduction to databases<br>5. Data Controls<br>Teaching methods: conventional specialist lecture, solving cognitive tasks |
| **Basic bibliography:** |
| 1. Rutkowski K. (2002). Logistyka on-line. PWE. Warszawa.<br>2. Wieczerzycki W. (2012). E-logistyk@. PWE. Warszawa.<br>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.<br>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<br>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 | 15 |
| 4. Written exam | 2 |
| 5. Consultations | 30 |
| 6. Preparing to exam | 26 |
| 7. Preparing to project | 26 |

**Student's workload**

| Source of workload | hours | ECTS |
|---|---|---|
| Total workload | 125 | 5 |
| Contact hours | 70 | 3 |
| Practical activities | 30 | 2 |