STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Operational management in logistics**	Code **101110423101111112835**

Field of study **Logistics - Part-time studies - First-cycle**	Profile of study (general academic, practical) **(brak)**	Year /Semester **2 / 3**

Elective path/specialty **-**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**

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

No. of hours				No. of credits **4**
Lecture: **16**	Classes: **-**	Laboratory: **-**	Project/seminars: **-**	

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	ECTS distribution (number and %**)**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Has a basic knowledge of management and organizational processes, including logistics processes, identify the stages of material flow in the enterprise
2	**Skills**	Able to identify the stages of material flow in the enterprise
3	**Social competencies**	There is no indication

Assumptions and objectives of the course:

Introduce students with the problems of operational management in logistics processes, to develop skills in operating (current) management of logistics processes in the enterprise

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

Knowledge:

1. 1.   Student is able to define the distribution problems as the essential elements of the logistics process - [K1A_W14]

2. 2.   Student is able to using a spreadsheet to design simple algorithms necessary for the distribution - [K1A_W15]

3. 3.   A student is able to explain in detail the concepts and phenomena characteristic of logistics and its specific issues (inventory management, logistics, distribution logistics and supply, logistics, ecologistics) as well as supply chain management - [K1A_W17]

4. 4.   The student knows how to formulate basic dependencies that are applicable within the framework of logistics and its specific issues (inventory management, logistics, distribution logistics and supply, logistics, ecologistics) as well as supply chain management - [K1A_W18]

5. Has basic knowledge of products, equipment, technical systems - [K1A_W19]

6. 6.   knows elementary notions connected with reliability and security in maintaining technical equipment, objects and technical systems - [K1A_W20]

Skills:

1. 1.   The student can do the search that is based on disciplinary literature and other sources, and can in an orderly way, present information about the issue in the framework of logistics and its specific issues (inventory management, logistics, distribution logistics and supply, logistics, ecologistics) and supply chain management   - [K1A_K01]

2. 2.   The student is sensitive to non-technical aspects and effects of engineering activities, including its impact on the environment and connected with it, responsibility for decisions in respect of a part of the logistics and supply chain management   - [K1A_K02]

3. has self-study ability and comprehends it - - [K1A_U05]

4. 4.   can make use of analytic, simulation and experimental methods to formulate and solve engineering problems   - [K1A_U09]

5. 5.   can conduct a critical analysis of the ways in which technical solutions function and assess, by means of Security Engineering, the existing technical solutions, in particular machines, equipment, objects, systems, services and processes   - [K1A_U13]

Social competencies:

1. is aware of the relevance of the study and understands non-technical aspect as well as the consequences of engineering activity, including its impact on environment and taken responsibility of his decisions   - [K1A_K02]

2. Student is responsible for the identification and resolution of the dilemmas associated with inventory management - [K1A_K05]

Assessment methods of study outcomes

Formative assessment:

current check of the acquired knowledge and skills learnt during lectures

Collective assessment:

a test based written exam within exam session

Course description

The logistics system; mapping business processes (overview mapping methods - algorithms, IDEF) Flow Mapping; Procurement process - a procedure; Develop a plan of production based on the sales plan - a procedure, determination of the volume of deliveries by the chosen methods - a procedure, algorithms selected activities

Basic bibliography:

1. Zarządzanie operacyjne, Waters D, PWN

2. Logistyka, Kisperska-Moroń, Krzyżaniak S., Biblioteka Logistyka, Poznań, 2009

Additional bibliography:

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

Result of average student's workload

Activity	Time (working hours)
1. Lectures	16
2. Consultations	44
3. Preparing for the Exam	35
4. Assessment of lectures	3
5. Discussion of the results of assessment of lectures	2

Student's workload

Source of workload	hours	ECTS
Total workload	100	4
Contact hours	65	2
Practical activities	0	0