

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Logistics process planning		Code 1011101361011132978
Field of study Logistics - Full-time studies - First-cycle studies	Profile of study (general academic, practical) general academic	Year /Semester 3 / 6
Elective path/specialty -	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: First-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: 30		No. of credits 4
Status of the course in the study program (Basic, major, other) other		(university-wide, from another field) university-wide
Education areas and fields of science and art technical sciences		ECTS distribution (number and %) 4 100%
Responsible for subject / lecturer: dr hab. inż. Jacek Żak email: jacek.zak@put.poznan.pl tel. 61 665 2230 Wydział Inżynierii Zarządzania ul. Strzelecka 11 60-965 Poznań		Responsible for subject / lecturer: dr hab. inż. Paweł Pawlewski email: pawel.pawlewski@put.poznan.pl tel. 61 6653413 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student knows the basic concepts of the fundamentals of management, logistics bases, basic computer, basic inventory management, basic operational and supply chain understand the mechanisms of management,
2	Skills	Student has the ability to perceive, to associate and interpret phenomena in organizations can take advantage of the fundamental technologies for the management
3	Social competencies	Student is aware of the consequences of their decisions and is prepared to take on social responsibility for decisions
Assumptions and objectives of the course: Obtain the skills and competencies in the design of logistics processes and management.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Student can define the purpose and scope, which includes the design of logistics processes, know how to identify basic relations existing in the design process - [K1A_W14]		
2. Student is able to explain the basic concepts, including the design of logistics processes - [K1A_W15]		
3. Student is able to recognize the basic phenomena, including process design - [K1A_W16]		
4. Has knowledge of available simulation packages - [K1A_W17]		
5. Has knowledge of the methods and techniques of process improvement - [K1A_W18]		
6. Knows the concept design review processes using simulation experiments - [K1A_W20]		
Skills:		
1. . Can design process analysis in the consideration of the problem and formulate the problem as a task object design (engineering). - [K1A_U05]		
2. Can analyze and assess the scope and need for simulation techniques in the design of logistics processes and to interpret and verify the results obtained from simulation experiments - [K1A_U09]		
3. Can choose the appropriate tools and methods to solve the problem of logistics processes and design using appropriate methods and techniques of the logistical process - [K1A_U16]		
4. Can identify the attributes of processes and select the correct meters processes for the future management - [K1A_U08]		
Social competencies:		

1. Student is willing to cooperate and work in groups on problems related to the design of logistics processes - [K1A_K03]
 2. He can see cause-and-effect relationships in the implementation of the set objectives and range an importance tasks during the implementation of projects of simulation - [K1A_K04]

Assessment methods of study outcomes

forming evaluation:

a) partial acceptance of the project in the company - a written report containing the project schedule and current progress of works

summary rating

summary rating:

a) final acceptance - evaluation of the final report, evaluation of the documentation of the simulation project, evaluation of the simulation model and conducted simulation experiments

Course description

- Orientation functional and process in business management. Process approach. Definition and classification of generic processes. Models and standardization of processes. Process mapping. Designing and implementing process changes. Methods and techniques of process improvement. Managing processes. The nature and objectives of management processes. Methodology for process management. The implementation of the process approach in the company. Forms of organization of the process in the company. Methodology for process management.

Teaching methods: design method

Basic bibliography:

1. Logistics An Introduction to Supply Chain Management, Waters. D., Palgrave Macmillan, 2003
2. Reengineering, Reformowanie procesów biznesowych w przedsiębiorstwie, Pacholski, L., Cempel, W., Pawlewski P., WPP, Poznań, 2009
3. Procesy i projekty logistyczne, Nowosielski S. (red.) , Wyd.UE , Wrocław, 2008
4. Budowa modelu przepływu procesu, (skrypt elektr.) , Pawlewski P., IIZ Poznań 2009
5. Beaverstock M., Greenwood A., Lavery E., Nordgren W. Applied Simulation, Flexsim Software Products, 2011
6. Wróbel G. Podstawy symulacji Flexsim 5, Materiały szkoleniowe, Cempel Consulting 2012
7. Zarządzanie logistyczne, Coyle J.J., Bardi E.J., Langlely Jr.C.J., PWE, 2002

Additional bibliography:

1. Wprowadzenie do zarządzania operacjami i łańcuchem dostaw, Bozarth, C., Handfield, R.B., Helion, 2007

Result of average student's workload

Activity	Time (working hours)	
1. project	30	
2. consultation	30	
3. preparing for class	15	
4. independent student work	15	
5. project evaluation	10	
Student's workload		
Source of workload	hours	ECTS
Total workload	100	4
Contact hours	70	3
Practical activities	30	1