COURSE DESCRIPTION CARD - SYLLABUS

Course name

Designing logistics processes

Course

Field of study

Logistics

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

3/6

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

30

Number of credit points

4

Lecturers

Responsible for the course/lecturer:

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Wydział Inżynierii Zarządzania

ul. Jacka Rychlewskiego 2, 60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

student knows the basic concepts of management basics, logistics basics, computer science basics,

inventory management basics, operational and supply chain management basics, understands enterprise management mechanisms,

Course objective

acquiring skills and competences in the design and management of logistics processes

Course-related learning outcomes

Knowledge

1. knows the basic concepts of logistics and its specific issues and supply chain management - [P6S_WG_05]

2. knowledge of basic management issues specific to logistics and supply chain management [P6S_WG_08]

3. knows the basic relationships in force in logistics and its specific issues and supply chain management - [P6S_WK_04]

4. knows the basic phenomena and contemporary trends characteristic of logistics and its specific issues and supply chain management - [P6S_WK_05]

5. knows the basic methods, techniques, tools and materials used in preparation for conducting scientific research and solving simple engineering tasks in the field of logistics systems design and processes - [P6S_WK_07]

Skills

1. can search based on the literature and other sources and present information on a problem within the logistics and its specific issues and supply chain management in an orderly manner - [P6S_UW_01]

2. is able to apply the proper experimental and measurement techniques to solve the problem within the studied subject, including computer simulation within logistics and its detailed issues, and supply chain management - [P6S_UW_03]

3. is able to design, using appropriate methods and techniques, an object, system or process that meets the requirements of logistics and its specific issues and supply chain management - [P6S_UW_07]

4. is able to present, using properly selected means, a problem within logistics and its specific issues, and supply chain management - [P6S_UK_01]

5. is able to identify changes in requirements, standards, regulations, technical progress and the reality of the labor market, and based on them determine the need to supplement knowledge - [P6S_UU_01]

Social competences

1. is aware of the recognition of the importance of knowledge in the field of logistics and supply chain management in solving cognitive and practical problems - [P6S_KK_02]

2. is able to plan and manage in an entrepreneurial manner - [P6S_KO_01]

3. is aware of the responsible fulfillment, correct identification and resolution of dilemmas related to the logistics profession - [P6S_KR_01]

4. is aware of cooperation and work in a group on solving problems within logistics and supply chain management - [P6S_KR_02]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment

partial acceptance of the project in the enterprise - a written report containing the project schedule and current work progress

Summative assessment

evaluation of the final report, evaluation of the simulation project documentation, evaluation of the simulation model and conducted simulation experiments, pass threshold of 50% of points

Programme content

Functional and process orientation in company management. Process approach. Definition and generic classification of processes. Models and standardization of processes. Process mapping. Process design and implementation of changes. Methods and techniques for improving processes. Process management. The essence and goals of process management. Methodology of business process management. Implementing a process approach in the enterprise. Forms of process organization in an enterprise. Methodology of business process management.

Teaching methods

design method

Bibliography

Basic

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. Projektowanie Systemów i Procesów Logistycznych, Pawlewski P., Wyd.Pol.Pozn.Poznań 2013,

5. Beaverstock M., Greenwood A., Lavery E., Nordgren W. Applied Simulation, Flexsim Software Products, 2011

Additional

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

2. P. Pawlewski, Symulacja wsparciem dla Lean, 2019, Kaizen (37), nr 2, kwiecień,-maj 2019, pp. 32-37.

3. P. Pawlewski, 7 rzeczy dla milk-run, 2019, Kaizen (38), nr 3, czerwiec-lipiec 2019, pp. 43-47.

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,0
Classes requiring direct contact with the teacher	30	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	70	3,0

[1] delete or add other activities as appropriate