



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Logistic systems

Course

Field of study

Management and Production Engineering

Area of study (specialization)

Level of study

Second-cycle studies

Form of study

part-time

Year/Semester

1/2

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

Number of hours

Lecture

10

Laboratory classes

Tutorials

Projects/seminars

10

Other (e.g. online)

Number of credit points

3

Lecturers

Responsible for the course/lecturer:

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Responsible for the course/lecturer:

Prerequisites

Basic information on the structure of enterprises, organization of production processes and management of a production company, the ability to think logically, use information obtained from literature and the Internet and from production companies, understanding the need to learn and acquire new knowledge.

Course objective

Getting to know the basic issues in the field of logistic systems

Course-related learning outcomes

Knowledge

The student should characterize the genesis and essence of logistics, the concepts: logistics system,



logistics supply chain, logistic processes, enterprise logistics and enterprise logistics system, knows the essence of supply logistics, production logistics and distribution logistics, is able to characterize the essence of inventories and models of their management, is able to characterize the infrastructure logistics of the enterprise and the issue of packaging, is able to present the main issues related to logistics of re-development, logistics costs and IT aspects of logistics.

Skills

The student is able to identify the impact of logistics activities on the functioning of the enterprise, is able to assess the functioning of logistics in a selected enterprise, is able to develop a value stream map, is able to make logistic analyzes supporting decision-making regarding the enterprise.

Social competences

The student is able to work in a group, is aware of the role of logistics in the modern economy, enterprise and society, understands the need for lifelong learning; can inspire and organize the learning process of other people.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture: Exam on the basis of a written test consisting of 4 questions graded on a scale from 0 to 1. Passing if a minimum of 2.4 points is obtained.

Project: Credit based on a completed project.

Programme content

Lectures:

Infrastructure, technique and technology of logistic processes. Logistics infrastructure - warehouse buildings, internal transport routes, reloading fronts, management of logistic infrastructure. Technical devices in logistic systems - storage, transport and handling devices, auxiliary devices, packaging. Information in logistics systems - IT solutions supporting the acquisition and exchange of data and information, systems supporting logistics management. Selected aspects of logistic systems operation - logistic activity in the enterprise.

Project:

Case studies on the design of the logistics system of a company producing a specific product from the machine industry - presentation by the teacher and elaboration by students.

Teaching methods

Lecture: multimedia presentation - leading, discussion



Project: each student presents a multimedia presentation of the progress of the project implementation, discussion

Bibliography

Basic

[1] Pfohl H. Ch., Systemy logistyczne. Podstawy organizacji i zarządzania, Wyd. Instytut Logistyki i Magazynowania, Poznań 2001

[2] Ficoń Krzysztof, Zarys mikrologistyki – Bel Studio – Warszawa 2004

[3] Praca zbiorowa, Systemy logistyczne - komponenty, działania, przykłady, Instytut Logistyki i Magazynowania, Poznań 2008

Additional

[1] Skowronek C., Sarjusz-Wolski Z., Logistyka w przedsiębiorstwie, PWE, Warszawa 1999

[2] Sarjusz-Wolski Z., Skowronek C., Logistyka - poradnik praktyczny, CIM, Warszawa 2000

[3] Twaróg J., Mierniki i wskaźniki logistyczne, Wyd. Instytut Logistyki i Magazynowania, Poznań 2003

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,0
Classes requiring direct contact with the teacher	30	1,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	45	1,5

¹ delete or add other activities as appropriate