



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Technique, technology and logistics infrastructure

Course

Field of study

Logistics - Full-time studies - First-cycle studies

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

Requirements

compulsory

Number of hours

Lecture

30

Tutorials

Laboratory classes

Projects/seminars

15

Other (e.g. online)

Number of credit points

4

Lecturers

Responsible for the course/lecturer:

dr inż. Piotr Lubiński

email: piotr.lubinski@put.poznan.pl

Wydział Inżynierii Zarządzania

ul. Jacka Rychlewskiego 2

60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

The student has the basic knowledge on technique and principles of the functioning of enterprises, as well as the country and the region

The student is possessing a skill of noticing, associating and interpreting phenomena occurring in the



economy

The student is aware of the influence of logistics on the economy, society, man and his environment.

Course objective

Presentation of an ordered knowledge on basic elements of technology, technique and logistic infrastructure and description of their objectives in logistic processes, with reference to economic and business phenomena, as well as their importance for man and his environment. Graduates of various secondary schools have the chance for aligning their knowledge from the scope of presented objectives. It is a crucial condition for studying in future semesters.

Course-related learning outcomes

Knowledge

1. has basic knowledge on engineer drawing, construction and technology and construction and exploitation of machines [P6S_WG_01]
2. knows principle dependencies applicable in a framework of the logistics and its detailed issues (supply management, distribution logistics, production and supply logistics, logistics of the use, ecologiciscse) and supply chain management [P6S_WG_08]
3. is able to explain basic terms in logistics and its specified issues (supply management, distribution logistics, production and supply logistics, logistics of the use, ecologiciscse) and supply chain management [P6S_WK_05]

Skills

1. basing on literature of the subject and other sources is able to present in an ordered way information concerning problems from the scope of logistics and its specified issues (supply management, distribution logistics, production and supply logistics, logistics of the use, ecologiciscse) and supply chain management [P6S_UW_01]
2. is able to present a problem with help of properly selected means, if the issue is from the area and its specified issues (supply management, distribution logistics, production and supply logistics, logistics of the use, ecologiciscse) and supply chain management [P6S_UK_01]
3. is able to use proper information and communication instruments to problems enclosed within frames of the studied subject [P6S_UW_02]

Social competences

1. is aware of the need of lifelong learning and inspiring and organizing the process of lifelong learning for other people within the studied subject [P6S_KK_02]
2. be sensitive to environmental and ergonomic aspects and effects of engineer activity, including responsibility for decisions he makes within frames of work conditions and environmental protection within issues of logistics and supply chain management [P6S_KR_01]
3. is willing to cooperate and work in a team on solving problems from the area of the studied subject [P6S_KR_02]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

-forming assessment:



project: on basis of the evaluation of the realized following stages of the project and the knowledge of topics necessary for its realization. The work within the project team is important

lectures: basing on questions asked during the lecture, which refer to previous lectures on the subject.

- final assessment:

project: public presentation of the project (in front of the entire group) and discussion

lectures: final conversation in form of discussion: 2-3 students discuss with the examining person topics from lectures. The accession to the exam is based on positive assessment of the project. The exam is passed when the student gives correct answers for the majority of questions

Programme content

The program of the subject encloses following topics: logistic infrastructure classification, means of close and far transport ? the idea, classification, tasks, problem of selection of transport means, warehouse ? the notion, classification, tasks, warehouse equipment, logistic centers the notion, classification, tasks, significance in the transport system and the region, handling systems and packages - the idea, classification, tasks in the area of production, transport and storage.

Teaching methods

-forming assessment:

project: on basis of the evaluation of the realized following stages of the project and the knowledge of topics necessary for its realization. The work within the project team is important

lectures: conversation lecture, basing on questions asked during the lecture, which refer to previous lectures on the subject.

- final assessment:

project: public presentation of the project (in front of the entire group) and discussion

lectures: final conversation in form of discussion: 2-3 students discuss with the examining person topics from lectures. The accession to the exam is based on positive assessment of the project. The exam is passed when the student gives correct answers for the majority of questions

Bibliography

Basic

1. Pfohl H.-Ch., Systemy logistyczne, ILiM-Poznań , 1998
2. Korzeniowski A., Szyszka G., Skrzypek M., Opakowania w systemach logistycznych, ILiM-Poznań , 2001
3. Fechner I., Centra logistyczne cel-realizacja-przyszłość, ILiM-Poznań , 2004
4. Mendyk E., Ekonomia i organizacja transportu, WSL, Poznań, 2002
5. Transport, Rydzkowski W., Wojewódzka-Król K. -red. , PWN, 2006

Additional

1. Głowacka-Fertsch D., Fertsch M., Zarządzanie produkcją, WSL, Poznań, 2004
2. Skowronek Cz., Syrjusz-Wolski Z., Logistyka w przedsiębiorstwie, PWE, Warszawa 1999



Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,0
Classes requiring direct contact with the teacher	50	2,0
Student's own work (literature studies, preparation for project, preparation for final conversation, project preparation) ¹	50	2,0

¹ delete or add other activities as appropriate