



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Logistics [S1Trans1>Log]

Course

Field of study

Transport

Year/Semester

2/4

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

full-time

Requirements

elective

Number of hours

Lecture

30

Laboratory classes

0

Other

0

Tutorials

15

Projects/seminars

0

Number of credit points

3,00

Coordinators

dr inż. Grzegorz Gramza

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Lecturers

Prerequisites

KNOWLEDGE: The student has a basic knowledge of the place of transport in the system of economy, science and relations with other areas of knowledge. The student knows and understands the basic methods and practical tools in the field of transport description. The student knows the main tasks of transport in the area of operation and economic development of enterprises and the state. **SKILLS:** The student is able to use the concepts and methods in the description of technical and economic problems. The student is able to use the acquired knowledge to analyze specific phenomena and processes occurring in technical and economic systems. The student is able to solve specific problems appearing in technical and economic systems. **SOCIAL COMPETENCES:** The student is able to cooperate in a group, assuming various roles in it. The student is able to determine the priorities important in solving the tasks set before him. The student shows independence in solving problems, acquiring and improving the acquired knowledge and skills.

Course objective

The aim of the course is to provide students with information on logistics, definitions and concepts. Students gain knowledge and skills in the functioning of logistics in various industrial and service enterprises, in various branches of transport and warehouse management.

Course-related learning outcomes

Knowledge:

Student has a structured and theoretically founded general knowledge in the field of key technical issues and detailed knowledge of selected issues in this discipline of transport engineering.

Skills:

Student is able to obtain information from various sources, including literature and databases, both in Polish and in English, integrate it properly, interpret and critically evaluate it, draw conclusions, and exhaustively justify opinions.

Student is able to properly use information and communication techniques applicable at various stages of the implementation of transport projects.

Student is able to formulate and solve tasks in the field of transport, apply appropriately selected methods, including analytical, simulation or experimental methods.

Student is able to take into account in the process of formulating and solving tasks in the field of transport engineering also non-transport aspects, in particular social, legal and economic issues.

Social competences:

Student understands that in technology, knowledge and skills very quickly become obsolete.

Student is able to think and act in an entrepreneurial way, incl. finding commercial applications for the created system, taking into account not only the business benefits, but also the social benefits of the conducted activity.

Student is aware of the social role of a technical university graduate, in particular, he understands the need to formulate and convey to the society, in an appropriate form, information and opinions on engineering activities, technological achievements, as well as the achievements and traditions of the profession of a transport engineer.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:

Written exam, final test

Programme content

Objectives and importance of logistics, basic elements of logistics infrastructure and its equipment, inventory renewal systems in logistics systems.

Course topics

General definitions of logistics, concepts from transport systems, logistics tasks in transport, stages of logistics development, logistics customer service in transport by market segments and its main elements, measures and standards of customer service based on selected market segments, the inventory renewal cycle, basic methods inventory renewal, ABC / XYZ method of inventory classification, components of full logistic costs in transport, demand forecasting.

Teaching methods

1. Lecture with multimedia presentation
2. Exercises - solving problems

Bibliography

Basic

1. Beier F.J., Rutkowski K.: Logistyka. SGH, Warszawa 1993.
2. Coyle J., Bardi E., Langley C.: Zarządzanie Logistyczne. PWE, Warszawa 2007.
3. Praca zbiorowa: Podstawy logistyki. Biblioteka Logistyka, Poznań 2008.
4. Rydzkowski W., Wojewódzka-Król K. (red.): Transport. PWN, Warszawa 1998.
5. Stajniak M., Hajdul M., Foltyński M., Krupa A.: Transport i spedycja. Biblioteka Logistyka, Poznań 2008.

Additional

1. Krzyżaniak S., Cyplik P.: Zapasy i magazynowanie. Tom I. Zapasy. Biblioteka Logistyka, Poznań 2008.
2. Niemczyk A., Zapasy i magazynowanie. Tom II. Magazynowanie. Biblioteka Logistyka, Poznań 2008.

3. Nyszk W., Współczesna logistyka - wybrane aspekty, Księgarnia Akademicka AON, 2013.
4. Gołemska E., Kompendium wiedzy o logistyce, PWN Warszawa 2017.
5. Galińska B., Gospodarka magazynowa, Difin, 2016..

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,00
Classes requiring direct contact with the teacher	45	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	30	1,00