COURSE DESCRIPTION CARD - SYLLABUS

Course name
Introduction to Logistics [S1MiBP1>WdL]

Course

Field of study
Mechanical and Automotive Engineering

Year/Semester
4/7

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
15

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
0

Number of credit points

1,00

Coordinators

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Lecturers

Prerequisites

The student has a basic knowledge of the place of transport in the 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. 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 emerging tasks in technical and economic systems. The student is able to work in a group, taking different 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, definitions and concepts on logistics. Students acquire 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:
1. Has elementary knowledge of the economics and economics of industrial enterprises, banking system, commercial law, and entrepreneurial accounting
2. Is aware of the latest trends in machine construction, i.e. automation and mechatronization, automation of machine design and construction processes, increased safety and comfort of operation, the use of modern construction materials.
3. Has elementary knowledge of the life cycle of machinery, recycling of machine elements and construction and consumables.

Skills:
1. Has the ability to self-study with the use of modern teaching tools, such as remote lectures, websites and databases, teaching programs, e-books
2. Can prepare and present a short verbal and multimedia presentation devoted to the results of an engineering task.
3. Can organize and substantively manage the process of designing and operating a simple machine from a group of machines from the group covered by the selected diploma path.

Social competences:
1. Is willing to think and act in an entrepreneurial manner
2. Is ready to fulfill social obligations and co-organize activities for the benefit of the social environment.
3. Is ready to fulfill professional roles responsibly, including:
- observing the rules of professional ethics and requiring this from others,
- caring for the achievements and traditions of the profession.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:
The average of the activity of students during the classes and a written test of the material

Programme content

General definitions of logistics, tasks of logistics, an outline of the history of logistics, stages of logistics development, logistic customer service and its main elements, measures and standards of customer service based on selected market segments, the inventory renewal cycle, basic methods of restocking, the ABC / XYZ method of classifying inventories into on the basis of selected market segments, components of full logistics costs, comparison of logistic costs in various modes of transport, basis for demand forecasting,

Course topics

none

Teaching methods

Informative lecture (conventional), Conversation lecture

Bibliography

Basic
1. Praca zbiorowa: Podstawy logistyki. Biblioteka Logistyka, Poznań 2008.
2. Stajniak M., Hajdul M., Foltyński M., Krupa A.: Transport i spedycja. Biblioteka Logistyka, Poznań 2008
3. Rydzkowski W., Wojewódzka-Król K. (red.): Transport. PWN, Warszawa 1998.
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. Gołembska 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	25	1,00
Classes requiring direct contact with the teacher	15	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	10	0,50