SYLLABUS "TRANSPORT AND WAREHOUSE SUPPORT OF COMMERCIAL ACTIVITY"

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Department responsible for the course or equivalent: Institute of Management in Economic, Ecological and Social Systems; Department of Business Economics

Semester when the course unit is delivered: 8th

Level of course unit: Bachelor level

ECTS credits: 6

ADMISSION REQUIREMENTS

Applicants are expected to have completed the following courses.

- Management;
- Economic and mathematical models and methods;
- Logistics.

COURSE OBJECTIVES (AIMS)

- formation of the student's knowledge of the basic concepts, goals, objectives, methodology, principles, tools of transport and warehouse support for commercial activities;
- management of goods distribution, its accounting and optimization, minimization of loss of goods, costs of material and labor resources;
- organization of material and technical supply of the enterprise, technology and organization of the purchase and sale (sale) of goods;
- collection, storage, processing, analysis and evaluation of information necessary for the organization and management of commercial, marketing, advertising, logistics and merchandising activities;
- organization and planning of material and technical support of the enterprise, purchase and sale (sale) of goods;
- inventory management and optimization;
- organization and implementation of professional activities (commercial, marketing, logistics, advertising and (or) merchandising.

COURSE CONTENTS

Module 1. *Transport logistics*

Session 1. The basic principles and trends of modern logistics. The principles of a systematic approach, total costs, global optimization, logistic coordination and integration, trade-offs, modeling and information support, overall quality management, sustainability and adaptability. Transport logistics. Key concepts, relevance, goals, objectives, policies, examples.

Session 2. Classification and characterization of modes of transport, methods and models of transportation. Factors for choosing a transport for transportation. Types of transport, advantages, disadvantages. Transportation models: unimodal, intermodal, multimodal, transmodal, amodal, etc.

Session 3. Transport rates. Types of tariffs, pricing specifics for various modes of transport. Information technology and transport logistics systems. Goals, tasks and technologies of automation of transport processes, transport information systems.

Session 4. Logistics stocks. Key concepts, relevance, goals, objectives of inventory logistics, classification, ABC analysis.

Session 5. Static models of inventory management. A generalized model of the optimal delivery lot, taking into account outstanding orders, with the loss of outstanding orders, inventory management model that takes into account discounts.

Module 2. *Warehouse Logistics*

Session 6. Dynamic inventory management models. Inventory management system with a fixed order size, with a fixed time interval between orders, with a specified frequency of replenishment of stocks to a constant level, a minimum-maximum system.

Session 7. Warehouse logistics. Basic concepts, relevance, processes, goals, objectives.

Session 8. Design of warehouses. The main design issues, the concept of the warehouse.

Session 9. Development of a storage system. Optimal placement of cargo in the warehouse, organization of cargo handling, characteristics of warehouses with varying degrees of mechanization and automation.

Session 10. Packing. Functions, types, problems. Organization of transport and storage facilities as a logistics system. Goals, objectives, relevance, issues.

LEARNING OUTCOMES

Knowledge:

- the basic principles of organizing transport and storage facilities at the enterprise;
- current trends and technologies of logistics;

- methods for developing logistics solutions;

Abilities:

- analyze and diagnose problematic situations in the organization of transport and storage processes;
- develop management solutions for the design and optimization of transport and storage processes;

Skills:

- systemic thinking;
- search for relevant information on the problem under study;
- scientifically based argumentation of one's own opinion;
- public speaking, self-education in the field of management.

PLANNED LEARNING ACTIVITIES AND TEACHING METHODS

Educational technologies used in the study of the discipline provide for the use of active and interactive forms of classes in the educational process, namely:

- interactive lectures with poll;
- practical classes with:
  - discussion on problematic issues;
  - students' presentations on problem-oriented topics;
  - solving practical cases related to management problems;
- colloquium.

Educational technologies include the use of e-learning and distance learning technologies. Microsoft Teams will be used to create a remote workspace for collaboration and real-time communication, meetings, messaging, files and applications. For the offline interaction form, e-mail and group chats on VK are used.

The following activities are carried out for independent work:

- repetition of lecture material;
- search for scientific and technical information in open sources in order to analyze and identify key features;
- preparation for practical exercises and problem solving with the involvement of basic and additional literature;
- preparation for the colloquium.

ASSESSMENT METHODS AND CRITERIA

Criteria for evaluation:

Poll

The maximum number of points for a lecture of the semester is 20 points, 10 points for a module, 2 point for work on poll at one lecture class.

- 2 points – for active participation in the lecture discussion: raised hand, answer to questions (at least 30% of the issues discussed);
- 1 points – for passive presence at the lecture: no raised hand, no answers;
- 0 points – for absence from lecture.

Case solving

The maximum number of points for practical tasks of the semester is 48 points; 24 points for a module; 3 points for a practical class.

- 3 points - full, detailed answers to the questions posed are given, the ability to distinguish essential and non-essential features, cause-effect relationships are shown. The answer is clearly structured, logical, stated in terms of science. Finished conclusions and generalizations on the issue. Comprehensive answers to clarifying questions.
- 2 points - full, detailed answers to the questions posed are given, the ability to distinguish essential and non-essential features, cause-effect relationships are shown. The answer is clearly structured, logical, stated in terms of science. However, minor errors or omissions were made, corrected by the student with the help of “leading” questions of the teacher.
- 1 point - full but insufficiently consistent answers to the question are given, but at the same time the ability to distinguish essential and non-essential signs and cause-effect relationships is shown. The answer is logical and stated in terms of science. 1-2 errors can be made in determining the basic concepts that the student finds it difficult to fix on his own.
- 0 points - the student is not familiar with the contents of the case.

Colloquium

The maximum number of points for colloquium of the semester is 32 points; 16 points for a module.

The colloquium includes an oral answer to 8 questions in a module, the maximum score for a question is 2 point.

- 2 point - a complete, detailed answer is given to the question posed, the ability to distinguish essential and non-essential features, cause-effect relationships is shown. The answer is clearly structured, logical, stated in terms of science. Finished conclusions and generalizations on the issue. Comprehensive answers to clarifying questions.
- 1,5 points – a complete, detailed answer is given to the question posed, the ability to distinguish significant and non-essential features, cause-effect relationships is shown. The answer is clearly structured, logical, stated in terms of

science. However, minor errors or shortcomings were made, corrected by the student with the help of "leading" questions of the teacher.

- 1 points – a complete but not consistent answer is given to the question posed, but the ability to identify significant and non-essential signs and cause-effect relationships is shown. The answer is logical and stated in terms of science. 1-2 errors can be made in determining the basic concepts that the student finds it difficult to fix on his own.
- 0,5 points - given an insufficiently complete and insufficiently detailed answer. The logic and sequence of presentation have violations. Errors were made in the disclosure of concepts and in the use of terms. The student is not able to independently identify significant and non-essential signs and cause and effect communication. A student can specify generalized knowledge by proving their basic principles using examples only with the help of a teacher. Speech design requires amendments, corrections.
- 0 points - no answers were received on the basic questions of the colloquium.

Credit

The total points in the discipline are formed by current control + midterm control. 100 points are the maximum number of points that a student in the discipline can get is.

- the mark is credit to the student, if during the semester the student scored a minimum number of points equal to 60 points;

the score “not credit” is given to the student who scored less than 60 points.

COURSE LITERATURE (RECOMMENDED OR REQUIRED)

1. Garanin, S.N. International transport logistics: a training manual / S.N. Garanin; Ministry of Transport of the Russian Federation, Moscow State Academy of Water Transport. - Moscow: Altair: MGAVT, 2015 .-- 73 p. : ill. - Access mode: by subscription. - URL: http://biblioclub.ru/index.php?page=book&id=429740 (accessed 04.04.2020).

2. Levkin, G.G. Commercial Logistics: Textbook / G.G. Levkin. - Moscow; Berlin: Direct Media, 2016 .-- 377 p. : ill., schemes., tab. - Access mode: by subscription. - URL: http://biblioclub.ru/index.php?page=book&id=436774 (accessed 04.04.2020).

3. Gadzhinsky, A.M. Design of distribution systems based on logistics: textbook / A.M. Gadzhinsky. - Moscow: Dashkov and Co. °, 2020 .-- 324 p. : ill. - Access mode: by subscription. - URL: http://biblioclub.ru/index.php?page=book&id=229288 (accessed 04.04.2020).

4. Sevostyanov, A.P. English in the transport and logistics system: study guide: [16+] / A.P. Sevostyanov. - 2nd ed., Ext. and reslave. - Moscow; Berlin: Direct Media, 2018

.-- T. 2 .-- 381 p. - Access mode: by subscription. - URL: http://biblioclub.ru/index.php?page=book&id=562421 (accessed 04.04.2020).