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## SYLLABUS “SUPPLY CHAIN MANAGEMENT”

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**Lecturer (name, academic title, e-mail):** Svetlana Stash, assistant, e-mail: svstash@sfedu.ru

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

**Semester when the course unit is delivered:** 8<sup>nd</sup>

**Level of course unit:** Bachelor level

**ECTS credits:** 6

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### ADMISSION REQUIREMENTS

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Applicants are expected to have completed the following courses:

- Logistics.

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### COURSE OBJECTIVES (AIMS)

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- formation of bachelors' knowledge and skills in the field of planning, organizing and monitoring the activities of integrated supply chains based on a logistics concept.
- management of product distribution, its accounting and optimization, minimizing the loss of goods, the cost of material and labor resources;
- organization and planning of material and technical support of the enterprise, purchase and sale of goods;
- participation in the development of logistics schemes in trade.

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### COURSE CONTENTS

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#### **Module 1. Theoretical and economic foundations of logistics and supply chain management**

##### **Theme 1.** Cost management in logistics systems

Types and sources of logistics costs. Accounting for logistics costs. Analysis of logistic costs and cost of goods. Logistic controlling in a cost management system. Cost management based on functional cost analysis.

##### **Theme 2.** Management of financial resources of logistics systems

Types of financial resources and flows in logistics systems. Features of managing financial flows in logistics systems. Financial relationships of supply chain participants.



## **Module 2. Functional and supporting logistics management system**

### **Theme 3. Transportation in the supply chain**

Transport aspects in the logistics system. Transport corridors in the system of regional freight forwarding services. Formation of a transport logistics system using terminal technology.

### **Theme 4. Inventory management in the supply chain**

Stock as an object of management in the links of supply chains. Stock movement in supply chain links. Methods and models of inventory management in the links of the supply chain.

### **Theme 5. Warehousing and cargo handling in logistics systems**

Warehouse logistics concept. Warehouse technology. Warehouse system development and project investment program.

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## LEARNING OUTCOMES

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### **Knowledge:**

- types, types, functions of trade enterprises and the management of the trade and technological process, labor organization and management in enterprises, principles, norms and methods of designing trade enterprises, labor protection of personnel;
- methods for optimizing logistic processes at the level of logistic functions (logistic technologies of operational logistics), including in warehousing and cargo handling;
- culture and rules of business etiquette; basic principles for regulating business negotiations;
- goals and methods for evaluating the effectiveness of sales promotion activities; the basics of planning the needs of the organization in materials and goods;
- control and management in logistics, especially logistics in trade.

### **Skills:**

- keep track of goods and material values; to carry out accounting, control and cost analysis in trade and technological processes;
- determine the resources of the enterprise, economic indicators of its activities; apply management methods of trade-technological (logistic) processes (logistic technologies) to solve typical problems (in standard situations);
- use the methods of applying ethical standards and principles of modern business communication in resolving conflict situations;
- plan and carry out sales promotion activities; use new technologies in sales promotion;
- manage the company's logistics processes.



## Learning Outcomes:

- methods of obtaining and analyzing information to assess trade and technological processes and resources at the enterprise;
- identification of logistics technologies and their application in non-standard situations (to solve new problems);
- basic communication methods and techniques of business communication in the professional field, skills in working with PR information;
- manage inventory; make purchases and sales of goods; provide material and technical supply to the enterprise;
- methods and criteria for evaluating logistics systems; logistics chain formation procedures.

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## PLANNED LEARNING ACTIVITIES AND TEACHING METHODS

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**The lecture course** contains mainly theoretical material that reflects the current state of scientific concepts on this topic and is supported by explanations and comments on specific applied examples of implementation.

**Practical training** on the course includes elements of an interactive problem-oriented approach to learning by focusing students on the analysis and resolution of specific problems in supply chain management.

**Practical classes** are held in the form of a seminar involving:

- students' presentations with pre-prepared individual tasks in the form of a presentation on a problem-oriented topic formulated by the teacher, after which the audience discusses their level and, if necessary, answers are supplemented, or their shortcomings are noted under the guidance of the teacher conducting the lesson;

- intercommunication on issues related to supply chain management. Students are given the task to analyze the situation and propose a solution (several solutions are possible). This contributes to the development of various kinds of competencies in the process of making managerial decisions;

- protection of the paperwork.

**The final control** of the assimilation of the material is carried out in the form of an exam at the end of the semester.

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## ASSESSMENT METHODS AND CRITERIA

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Criteria for evaluation:

### *INDIVIDUAL TASK*

**Maximum score – 30, summarized by the following criteria:**

Structure – up to 5 points

Visibility – up to 5 points

Content – up to 10 points

Performance Requirements – up to 10 points



### **PAPERWORK**

**9-10 points** – the problem is clearly identified and its relevance is justified, the goal is formulated, the research objectives are defined. Structure of the text is divided into sections, there are no errors in text structuring.

**6-8 points** – the problem is not clearly defined, there is a rationale for its relevance, a goal is formulated, research objectives are defined. Structure of the text is divided into sections, there are no gross errors in text structuring.

**3-5 points** – the relevance of the problem is insufficiently substantiated, the purpose and objectives of the study are not formulated. Structure of the text is divided into sections, there are errors in text structuring.

**0-2 points** – there is clearly no justification for the relevance of the problem, the purpose and objectives of the study. Structure of the text is not divided into sections or there are gross errors in structuring the text.

### **INTERCOMMUNICATION**

**15-20 points** – The correct and comprehensive answers to all proposed questions are given.

**9-14 points** – Given the correct, in general, answers to all proposed questions, however, there are minor comments on the completeness and quality of the presentation

**1-8 points** – There are significant comments on the completeness and quality of the presentation of the material or some of the issues remained unresolved

**0 points** – No answers to questions or incorrect answers.

### **EXAM**

**35-40 Points** – Competence is formed. The student is ready to solve practical problems of increased complexity, atypical tasks, make professional and managerial decisions in conditions of incomplete certainty, with insufficient documentary, regulatory and methodological support

**29-34 Points** – Competence is formed. The student can solve typical problems, make professional and managerial decisions according to well-known algorithms, rules and techniques

**22-28 Points** – Competence is formed. The student has a general idea of the type of activity, the basic laws of functioning of objects of professional activity, methods and algorithms for solving practical problems

### **Final grade for the discipline in the semester**

<b>MARK</b>	<b>NUMBER OF POINTS</b>
<b>Excellent</b>	85-100
<b>Good</b>	71-84
<b>Fair</b>	60-70
<b>Poor</b>	less than 60



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COURSE LITERATURE (RECOMMENDED OR REQUIRED)

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1. Supply Chain Management / Edited by Pengzhong Li – Croatia: Published by InTech, 2011. – 600 p. [Электронный ресурс]: – URL: [https://www.pfri.uniri.hr/knjiznica/documents/Supply\\_Chain\\_Management.pdf](https://www.pfri.uniri.hr/knjiznica/documents/Supply_Chain_Management.pdf)
2. Thomas I. Schoenfeldt. A practical Application of Supply Chain Management Principles / ASQ Quality Press, Milwaukee, Wisconsin, 2008. – 224 p. [Электронный ресурс]: – URL: [http://web.tecnico.ulisboa.pt/~mcasquilho/CD\\_Casquilho/suggested/Schoenfeldt.pdf](http://web.tecnico.ulisboa.pt/~mcasquilho/CD_Casquilho/suggested/Schoenfeldt.pdf)
3. Dr. Dawei Lu. Fundamentals of Supply Chain Management / Ventus Publishing ApS, 2011. – 112 p. [Электронный ресурс]: – URL: <https://library.ku.ac.ke/wp-content/downloads/2011/08/Bookboon/Magement%20andOrganisation/fundamentals-of-supply-chain-management.pdf>
4. The Logistics Handbook A Practical Guide for the Supply Chain Management of Health Commodities / Va.: USAID | DELIVER PROJECT, Task Order 1. – 2011. – 174 p. [Электронный ресурс]: – URL: <https://apps.who.int/medicinedocs/documents/s20211en/s20211en.pdf>
5. Razat Gaurav, Prashant Bhatia, Madhav Durbha. Supply Chain For Dummies / JDA Software Special Edition Published by John Wiley & Sons, Inc. 111 River St. Hoboken, New Jersey. – 2015. – 76 p. [Электронный ресурс]: – URL: [http://media.logiciel-supply-chain.com/Presentation/supply\\_chain\\_for\\_dummies\\_jda\\_software\\_ebook\\_754355.pdf](http://media.logiciel-supply-chain.com/Presentation/supply_chain_for_dummies_jda_software_ebook_754355.pdf)