

Higher School of Economics - National Research University

Faculty of Business and Management
School of Logistics

Course

SCIENTIFIC WORKSHOP

PROFISSIONAL SYCLE SPECIAL DISCIPLINES

Syllabus

2015

1) Introductory note

General Description:

The course is delivered to bachelor students of the Higher School of Economics/HSE. It is delivered in one module. The course length is 30 academic hours of seminars. Academic control forms are the final exam and intermediate testing.

Pre-requisites

- Basics of economics
- Basics of logistics
- Basics of transportation management

Course Objectives

- understanding of particular issues linked with the transportation management in modern supply chains
- learning the analysis and decision-making methods in transport provision of logistic systems
- developing of the skills of presentation and professional discussion

Abstract

The share of transport costs in total logistic costs can reach 60% and more. Modern logistic systems development is to a big extent supported by smart transportation decisions and innovative transport technologies.

Transport systems are the basis of the modern supply chains providing the accessible, flexible and reliable transport services globally.

Transportation systems improvement is also the main tool of implementing the priorities of “green logistics” and “green economy” in general.

Effective management in supply chains and logistic systems needs the understanding of the main features of transportation technologies, the specifics of transport services as well as the knowledge of numerous opportunities given by modern transport systems. Very important is the knowledge of the main terms describing transportation as well as the legal base of transport services.

The mentioned above aspects define the objectives and the content of the seminar.

Training Objectives

During the course the students shall:

- learn more about different types of transport systems
- deepen their understanding of the main principles of transportation services in logistics
- get acquainted with the main methods of transport systems analysis;
- learn how transport services are utilized in modern supply chains
- improve the skills of presentation and professional discussion

- improve the skills of browsing the literature and internet sources on the course topics

Target audience

Bachelor students of the 3-rd grade

2) Thematic Plan

№	Theme	Hours total	Auditorium hours			Self study
			Lectures	Seminars	Practical	
1	Main principles of transport management in modern logistics	10		4		6
2	Models and methods of organization and regulation of transport activities	10		4		6
3	Global container system and its role in modern logistics and economy	11		5		6
4	Transport terminals and Terminal technology in modern logistics systems	11		4		6
5	Railway reform and prospects for the use of railway transport in modern logistics	10		5		6
6	The potential and limitations of the use of motor transport in modern logistics	10		4		6
7	The role of air freight in the transport logistic	10		4		6
	TOTAL			30		42

3) Reading list

Required

1. *Герامي В.Д., Колик А.В.* Управление транспортными системами. Транспортное обеспечение логистики. Учебник и практикум. – М., Юрайт, 2014.
2. *Лимонов, Э.Л.* Внешнеторговые операции морского транспорта и мультимодальные перевозки / Э.Л.Лимонов. - С-Пб : ООО «Модуль», 2006. – 598 с.
3. *Беспалов, Р.С.* Транспортная логистика: новейшие технологии построения эффективной системы доставки / Роман Беспалов. – СПб : «Вершина», 2007. – 382 с.
4. *Голубчик, А.М.* Транспортно-экспедиторский бизнес: создание, становление, управление / А.М.Голубчик. – 2 изд. - М. : ТрансЛит, 2012. – 317 с.
5. *Гречуха, В.Н.* Международное транспортное право: учебник для магистров / В.Н.Гречуха. - 2 изд. – М. : «Юрайт», 2013. - 542 с.
6. *Кокин, А.С.* Транспортно-экспедиторские услуги при международной перевозке грузов / А.С.Кокин, Г.А.Левиков.- М. : «Инфотропик Медиа», 2011. – 536 с.

Optional

1. *Левиков, Г.А.* Смешанные перевозки: состояние, проблемы, тенденции / Г.А.Левиков, В.В.Тарабанько. - М. : Транслит, 2007. – 320 с.
2. *Маликов, О.Б.* Склады и грузовые терминалы / О.Б.Маликов. - СПб : Изд. дом «Бизнес-пресса», 2005. - 644 с.
3. Модели и методы теории логистики: учебное пособие / под ред. В.С.Лукинского. – СПб. : Питер, 2007. – 447 с.
4. *Олещенко, Е.М.* Основы грузоведения: Учебное пособие для высших учебных заведений / Е.М.Олещенко, А.Э.Горев. – М. : Издательский центр «Академия», 2005. – 288 с.
5. *Григорьев, М.Н.* Коммерческая логистика: теория и практика: учебник для бакалавров. / М.Н.Григорьев, В.В.Ткач, С.А.Уваров. - 2 изд. – М. : Юрайт, 2012. – 490 с.
6. *Плужников, К.И.* Глобализация производства и распределения транспортных услуг / К.И.Плужников. - М. : Транслит, 2008. – 318 с.
7. *Плужников, К.И.* Транспортное экспедирование, агентирование и брокераж / К.И.Плужников, Ю.А.Чунтомова. - М. : ТрансЛит, 2012. – 570 с.
8. *Резер, С.М.* Логистика: словарь терминов / Резер С.М., Родников А.Н. - М. : ВИНТИ РАН, 2007. – 411 с.
9. Container handbook: <http://www.containerhandbuch.de>
10. Types of intermodal terminals. <https://people.hofstra.edu/geotrans/eng/ch4en/conc4en/typesintermodalterminals.html>
11. The intermodal container web page : http://www.matts-place.com/intermodal/part1/sea_containers1.htm

4) Assessment and Grading System

Final control: oral testing

The final grade consists of the following elements:

- attendance - the weight of 0.1;
- intermediate testing – the weight of 0.3;
- final testing – the weight of 0.6.

Table: Correspondence of ten-point to five-point system's marks

Ten-point scale [10]	Five-point scale [5]
1 – unsatisfactory 2 – very bad 3 – bad	Unsatisfactory – 2
4 – satisfactory 5 – quite satisfactory	Satisfactory – 3
6 – good 7 – very good	Good – 4
8 – nearly excellent 9 – excellent	Excellent – 5

5) Programme Contents

Topic 1 Main principles of transport management in modern logistics

The role of transport in the economy and in logistics. Requirements for the transportation in modern logistic systems. Principles of management of transport systems at the national, regional and corporate level. Basic tasks related to managing transport. Transport plans and programmes.

Topic 2 Models and methods of organization and regulation of transport activities

Features of the transport services market as an object of regulation. The basic principles of regulation and self-regulation of transportation. "Liberal" and "Regulative" approaches to the market of transport services. Principles of transport activities organization globally and in Russia. The economic sense of transport licensing. A comparative analysis of regulatory measures of the various modes of transport. The influence of the regulation of the transport services for logistic solutions.

Topic 3 Global container system and its role in modern logistics and economy

The history of container system development. The structure of the modern world container system. The relationship between containerization and intermodalism. The role of various modes in container traffic. Types of containers and containerization of supply chains. Integration of container technology in the logistics system. Containerization and globalization. The problems associated with the development of container system. Peculiarities of the containerization in Russia.

Topic 4 Transport terminals and Terminal technology in modern logistics systems

Types of terminal facilities and the evolution of transport terminals. Terminal functions in logistics systems. Integration of terminals and terminal technology in the supply chain. The concept of "hub-spoke" and its application in transport and distribution systems. Common features and differences in the concepts of "Warehouse", "Terminal", "Logistics Center".

Topic 5 Railway reform and prospects for railway transport in modern logistics

Modern trends in the development of railway transport. Features of rail transport in terms of logistics. Organization and services of the railways in North America and in Europe. The problem of integrating railways in modern supply chain. The idea, principles and development of railway reform in the EU. Basic ideas and development of the railway reform in the Russian Federation. Current status and problems of railway transport in Russia from the logistics point of view

Topic 6 The potential and limitations of the use of motor transport in modern logistics

The main features of road transport in terms of logistics requirements. The role of motor transport in the United States and the EU transport system. Logistic aspects of road/rail competition. Economic sense of weight and dimensional limitations. Environmental aspects of road transport. EUROCOMBI System. State and prospects of development of road transport in Russia in terms of logistics requirements.

Topic 7 The role of air freight in the transport logistic

The development of air transport cargo services. The main features of air transport from the point of view of logistics. Air cargo delivery technology. The principle air transport services in freight transportation. Logistic aspects of competition in air transport with other modes of transport. IATA agents role in organization of cargo transportation.

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