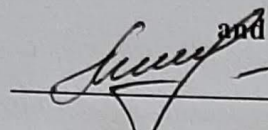


MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
SUMY NATIONAL AGRARIAN UNIVERSITY

Marketing and Logistic Department

APPROVED BY

Head of Marketing
and Logistic Department



(M.O. Lyshenko)

“ 06 ” 07 2020 y.

SYLLABUS FOR EDUCATIONAL DISCIPLINE (SYLLABUS)

ВІІІ 10 “ORGANIZATION OF LOGISTIC ACTIVITIES”

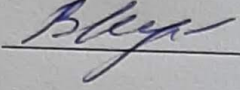
Direction of training: 073 “Management”

Educational program: Management

Faculty: Economics and Management

2020-2021 academic year

Syllabus of the educational discipline "Organization of logistic activities" for students of direction training 073 "Management".

Compiled by: PhD Senior Lecturer of Department of Marketing and Logistic
Shumkova V.I. 

Syllabus endorsed by *Marketing and Logistic Department*

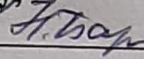
Protocol № 15 from 23.06.2020

Head of Department  Lyshenko M.O.

AGREED:

Guarantor of the educational program  (A.M. Mykhailov)

Dean of the Faculty  (N.I. Strochenko)

Methodist of the Department of Education Quality,
Licensing and Accreditation  (K. Haparik)

Registered in the electronic database: date: 06.07 2020 y.

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1. Description of the discipline

Indicators	Direction of training, education level	Characteristics of discipline
		daily form
Amount of credits - 3	Field of knowledge: 07 Management and Administration	<i>By choice</i>
	Direction of training: <i>073 Management</i>	
Modules– 2		Year of training:
Content modules: 2		2020-2021
Individual task: -		Course
		3
		Semester
Total amount of hours - 90		6
		Lectures
Hours for week: classes – 3 individual work - 3		30 h
		practical classes
		14 h
	Laboratory	
	-	
	Individual work	
	46 h	
	Individual tasks:	
-		
	Type of control: <i>test</i>	

Ratio amount of hours of classes to individual work (%):
for daily form - 48,9/51,1 (44/46)

2. The purpose and objectives of the discipline

2.1. Purpose: detailed study of the main functions of logistics activities in the enterprise, mastering the theoretical knowledge and practical skills of organizational, technological, technical and information support of the basic functions of logistics.

2.2. Objective: mastering the theoretical knowledge and practical skills of organizational, technological, technical and informational support of all logistic functions and processes and creating the basis for further successful mastering of basic professional disciplines in the system of training of the logistics manager.

2.3. Following the completion of discipline a student:

must know: modern aspects of the integration of production, transport and warehousing processes for the distribution of products, including work with raw materials; sources of economic effect from logistics activities in the enterprise; system analysis, cybernetic approach, operations research, forecasting, methodology for solving logistic problems; integration of logistics activities within the enterprise and within the logistics system; basic principles of information provision of coordination and integration of logistics processes and functions; strategic logistics planning; methods of organization of material flows management; indicators of logistics activities; organization of logistic management at the enterprise.

will be able to: to develop logistic models of effective integration of production, transport and warehouse processes at the enterprise; optimize managerial decisions regarding the activity of the enterprise taking into account the main logistic indicators; to calculate the main economic indicators of the efficiency of logistics activities in the enterprise; be able to distinguish and form logistic flows in the enterprise; be able to use modern methods of making logistics solutions; to develop logistic schemes of external integration of the enterprise; to introduce aspects of strategic logistics planning at an enterprise; to define indicators of logistic activity at the enterprise; know the methods of assessing logistics costs and ways to optimize them; to know the main points of the organization of management of logistics activities at the enterprise, as well as the logistics service of the enterprise.

3. The program of the course

*(Approved by the Academic Council of SNAU,
Protocol № 15 from 30.06.2020)*

Content module 1. *The essence and main positions of logistics activities at the enterprise*

Theme 1. *The essence of logistics activities.* Concept and essence of logistic activity at the enterprise. Signs of classification and structuring of logistics. Factors for the development of logistics. Stages of logistics development. Sources of economic effect from the use of logistics. Typical version of the organizational structure of the department of physical distribution in the enterprise. Typical version of the structure of the material management department at the enterprise. Typical version of the structure of the logistics department at the enterprise. Stages of the formation of the theory of logistics. Analysis of total costs. System approach. Material flow.

Theme 2. *Methodology of making logistic decisions.* Methods of solution of logistic tasks. System analysis. Cybernetic approach. Operations research. Prognostication. Conceptual differences between methodological approaches to organizational and structural construction

of an enterprise. Method of calculation of the aggregated indicator of the efficiency of the logistics system of the enterprise. Example of calculating the aggregate indicator of the efficiency of the logistics system's operation at the enterprise. Method of calculation of aggregate indicators of inventory, stock-taking, stockpiling of the economy of Ukraine.

Theme 3. *Industrial logistics.* The concept and objectives of production logistics. Requirements for organization of production. Mission and logistics strategy. Analysis of the current state of organizational and managerial mechanism of a production enterprise. Development of an operating standard enterprise management system. Development of the scheme of a typical organizational structure of the logistics department of the enterprise. Value of logistics and marketing system. Logistics marketing needs. Statistical reporting in logistics.

Content module 2. *Implementation of logistic approach to management of modern production enterprise*

Theme 4. *Management and planning in logistics.* The main provisions of the logistics management. The use of logistics management at the enterprise level. Features of logistics planning at the enterprise. Algorithm of logistic management of the enterprise. Logistic operating systems of the enterprise. Principles of logistics service. Ranking of indicators of the state of the service according to the survey of representatives of enterprises. Standardization at the enterprise.

Theme 5. *Indicators of logistic activity.* Types of logistics activities. The use of indicators of logistics activities. Methods of estimating logistics costs and ways of their optimization. Technical and economic indicators of transport operation. Logistic approaches of inventory management. Technical and economic performance of the warehouse. Types of freight transportation. Transport characteristics of the cargo. Cargo turnover. The main factors affecting the level of stocks. Functional dependence of expenses on inventory management on the size of deliveries. Identification of warehouses for market positioning. Classification of cranes. Classification of containers.

Theme 6. *Information support for logistics activities.* Information support for logistics activities. Information flows in logistics. Information systems in logistics. Communication in logistics. Development of the scheme of enterprise information system. Methodology of functioning of the information system. Structure of enterprise information system. Information systems of enterprise resource management. Enterprise resource management system. Supply Chain Management System. Customer Relationship Management System.

Theme 7. *Organization of logistic management at the enterprise.* Organization of services in logistics. Manage changes. Impact of the logistics system results of the enterprise's business. Construction of the algorithm of the methodology of quantitative evaluation of the influence of the logistics system on the results of the enterprise's business. Logistic approach to personnel management. Scheme of tactics of the personnel service of the enterprise. Investigation of the dependence of logistics costs on the size of material stocks. Investigation of the dependence of the production cost on the magnitude of logistics costs.

4. Structure of the course

Numbers and names of themes	Amount of hours					
	daily form					
	total	including				
l		p	l	in	iw	
Module 1. The essence and main positions of logistics activities at the enterprise						
Content module 1. The essence and main positions of logistics activities at the enterprise						
Theme 1. The essence of logistics activities	12	4	2			6
Theme 2. Methodology of making logistic decisions	10	4	2			4
Theme 3. Industrial logistics	12	4	2			6
Total for content module 1	34	12	6			16
Total for module 1	34	12	6			16
Module 2. Implementation of logistic approach to management of modern production enterprise						
Content module 2. Implementation of logistic approach to management of modern production enterprise						
Theme 4. Management and planning in logistics	12	2	2			8
Theme 5. Indicators of logistic activity	12	2	2			8
Theme 6. Information support for logistics activities	14	4	2			8
Theme 7. Organization of logistic management at the enterprise	18	10	2			6
Total for content module 2	56	18	8			30
Total for module 2	56	18	8			30
Total	90	30	14			46

5. Themes of lectures and their plans

№	Names of themes	Amount of hours
1	Theme 1. The essence of logistics activities 1. The concept and essence of logistics activities at the enterprise. 2. Signs of classification and structuring of logistics.	2
2	Theme 2. The essence of logistics activities 1. Factors of development of logistics. 2. Stages of logistics development. 3. Sources of economic effect from the use of logistics.	2
3	Theme 3. Methodology of making logistic decisions 1. Methods for solving logistical problems. 2. System analysis.	2
4	Theme 4. Methodology of making logistic decisions 1. Cybernetic Approach. 2. Investigation of operations. 3. Prognostication.	2
5	Theme 5. Industrial logistics 1. The concept and objectives of industrial logistic. 2. Mission and strategy of logistics.	2
6	Theme 6. Industrial logistics 1. Requirements for the organization of production. 2. Development of the scheme of the typical organizational structure of the logistics department of the enterprise.	2
7	Theme 7. Management and planning in logistics	2

	<ol style="list-style-type: none"> 1. The main provisions of logistics management. 2. The use of logistics management at the enterprise. 3. Features of logistic planning at the enterprise. 	
8	Theme 8. Indicators of logistic activity <ol style="list-style-type: none"> 1. Types of indicators of logistics activities. 2. The use of indicators of logistical activity. 3. Methods of estimating logistics costs and ways of their optimization. 	2
9	Theme 9. Information support for logistics activities <ol style="list-style-type: none"> 1. Communication in logistics. 2. Methodology of the functioning of the information system. 3. Information systems of enterprise resource management. 	2
10	Theme 10. Information support for logistics activities <ol style="list-style-type: none"> 1. Information flows in logistics. 2. Information systems in logistics. 3. Formation of information and material flows of the enterprise. 	2
11	Theme 11. Organization of logistic management at the enterprise <ol style="list-style-type: none"> 1. Organizational management of logistics services. 2. Change Management. 	2
12	Theme 12. Organization of logistic management at the enterprise <ol style="list-style-type: none"> 1. Organization of procurement and procurement management 2. Logistic approach of supply management. Supply management goals. 3. Delivery procedure and information provision 4. Management of purchases of material resources and goods. 	2
13	Theme 13. Organization of logistic management at the enterprise <ol style="list-style-type: none"> 1. Organization of distribution of products and distribution of goods. 2. Purpose, tasks and functions of distribution logistics. 3. Structure of distribution channels, their types and functions. 4. Classification and characteristics of logistic intermediaries. 	2
14	Theme 14. Organization of logistic management at the enterprise <ol style="list-style-type: none"> 1. Logistic intermediaries in distribution. 2. The role of wholesale trade in the distribution system. 3. Purpose and functions of retail trade. 	2
15	Theme 15. Organization of logistic management at the enterprise <ol style="list-style-type: none"> 1. The influence of the logistics system on the results of the enterprise's business. 2. Construction of the algorithm of the method of quantitative assessment of the impact of the logistics system on the results of the enterprise's business. 	2
	Total	30

6. Themes of practical classes

№	Names of themes	Amount of hours
1	Practical class 1. The essence of logistics activities	2
2	Practical class 2. Methodology of making logistic decisions	2
3	Practical class 3. Industrial logistics	2
4	Practical class 4. Management and planning in logistics	2
5	Practical class 5. Indicators of logistic activity	2
6	Practical class 6. Information support for logistics activities	2
7	Practical class 7. Organization of logistic management at the enterprise	2
	Total	14

7. Individual work

№	Names of topics	Amount of hours
1	Theme 1. The essence of logistics activities Typical version of the organizational structure of the department of physical distribution in the enterprise. Typical version of the structure of the material management department at the enterprise. Typical version of the structure of the logistics department at the enterprise. Stages of the formation of the theory of logistics. Analysis of total costs. System approach. Material flow.	6
2	Theme 2. Methodology of making logistic decisions Conceptual differences between methodological approaches to organizational and structural construction of an enterprise. Method of calculation of the aggregated indicator of the efficiency of the logistics system of the enterprise. Example of calculating the aggregate indicator of the efficiency of the logistics system's operation at the enterprise. Method of calculation of aggregate indicators of inventory, stock-taking, stockpiling of the economy of Ukraine.	4
3	Theme 3. Industrial logistics Analysis of the current state of organizational and managerial mechanism of a production enterprise. Development of an operating standard enterprise management system. Development of the scheme of a typical organizational structure of the logistics department of the enterprise. Value of logistics and marketing system. Logistics marketing needs. Statistical reporting in logistics.	6
4	Theme 4. Management and planning in logistics Algorithm of logistic management of the enterprise. Logistic operating systems of the enterprise. Principles of logistics service. Ranking of indicators of the state of the service according to the survey of representatives of enterprises. Standardization at the enterprise.	8
5	Theme 5. Indicators of logistic activity Technical and economic indicators of transport operation. Logistic approaches of inventory management. Technical and economic performance of the warehouse. Types of freight transportation. Transport characteristics of the cargo. Cargo turnover. The main factors affecting the level of stocks. Functional dependence of expenses on inventory management on the size of deliveries. Identification of warehouses for market positioning. Classification of cranes. Classification of containers.	8
6	Theme 6. Information support for logistics activities Information flows in logistics. Information systems in logistics. Communication in logistics. Development of the scheme of enterprise information system.	8

	Methodology of functioning of the information system. Structure of enterprise information system. Information systems of enterprise resource management. Enterprise resource management system. Supply Chain Management System. Customer Relationship Management System.	
7	Theme 7. Organization of logistic management at the enterprise Impact of the logistics system results of the enterprise's business. Construction of the algorithm of the methodology of quantitative evaluation of the influence of the logistics system on the results of the enterprise's business. Logistic approach to personnel management. Scheme of tactics of the personnel service of the enterprise. Investigation of the dependence of logistics costs on the size of material stocks. Investigation of the dependence of the production cost on the magnitude of logistics costs.	6
	Total	46

8. Training methods

During the teaching of discipline “Organization of logistic activities” are used illustration, Information, problematic and interactive teaching methods with the use of:

- lectures accompanied by the multimedia program;
- solving the tasks;
- drafting matrices and graphic schemes;
- self-esteem of knowledge;
- use of training and control tests;
- use of basic abstracts of lectures.

9. Methods of control

1. Rating control on 100-point scale assessment ECTS
2. Conducting of intermediate control during the semester (intermediate attestation)
3. Assessment of the current work of students:
 - level of knowledge that has been demonstrated in practical classes;
 - activity during the discussion issues submitted to classes;
 - express- control during the practical classes;
 - independent study of the topic as a whole or specific issues;
 - perform of analytical and computational tasks;
 - writing of abstracts;
 - testing results;
 - test results in Moodle for distance learning;
 - writing assignments during the control works;
 - industrial situations, case studies etc.

10. Distribution of points

Current testing and individual work							Individual work	Total for modules and individual work	Attestation	Total
Module 1 - 35 points			Module 2 - 35 points							
T1	T2	T3	T4	T5	T6	T7				
10	10	15	8	9	9	9	15	85 (70+15)	15	100

Grading scale: national and ECTS

Total points for all educational activities	Assessment ECTS	Assessment on the national scale
		for test
90 – 100	A	Accepted
82-89	B	
75-81	C	
69-74	D	
60-68	E	
35-59	FX	Not accepted with the possibility of re-assembly
1-34	F	Not accepted with compulsory re-examination of discipline

11. Methodical maintenance

1. Organization of logistic activities. Workbook for practical classes for English-speakers students' 3 course direction training 073 "Management".
2. Organization of logistic activities. Abstract of lectures for English-speakers students' 3 course direction training 073 "Management".
3. Methodical complex of the discipline "Organization of logistic activities".
4. Multimedia support program of lectures.
5. Moodle discipline "Organization of logistic activities". URL: <https://cdn.snau.edu.ua/moodle/enrol/index.php?id=4058>

12. Recommended Literature

Basic:

1. The Logistics Handbook. A Practical Guide for the Supply Chain Management of Health Commodities (The USAID | DELIVER PROJECT, Task Order 1, is funded by the U.S. Agency for International Development under contract no. GPO-I-01-06-00007-00, beginning September 29, 2006.) http://deliver.jsi.com/dlvr_content/resources/allpubs/guidelines/LogiHand.pdf
2. Prof. Dr. Thorsten Blecker Prof. Dr. Dr. h. c. Wolfgang Kersten Prof. Dr. Christian M. Ringle. Innovative Methods in Logistics and Supply Chain Management Current Issues and Emerging Practices.- 1st pdf edition.- August 2014 <https://hiicl.org/sites/hiicl.org/files/books/2014/blecker-2014-innovative-methods-logistics-and-supply-chain-management.pdf>
3. G. Giani. Introduction to logistics systems. Planning and control. http://www.pc-freak.net/international_university_college_files/Introduction%20to%20Logistic%20Systems%20Planning%20&%20control.pdf
4. GS1 Transport & Logistics and Customs Reference Book - 2014/15 http://www.gs1.org/docs/tl/GS1_T_L_Reference_Book_2014.pdf
5. Alan Harrison and Remko van Hoek. Logistics Management and Strategy. Competing through the supply chain. - 3rd edition. <http://197.14.51.10:81/pmb/CHIMIE/Logistics%20Management%20and%20Strategy%20Competing%20Through%20the%20Supply%20Chain.pdf>
6. Basic Concepts of Supply Chain Management – <http://catalogimages.wiley.com/images/db/pdf/R0471235172.01.pdf>
7. Juri Kondratjev Logistics. Transportation and warehouse in supply chain https://www.theseus.fi/bitstream/handle/10024/91465/Eng_Thesis_Final.pdf?sequence=1

8. Deciding a Distribution Network Design: Varying from Centralized to Decentralized Pattern
https://gupea.ub.gu.se/bitstream/2077/2262/1/gbs_thesis_62.pdf
9. Maritime logistics. A guide to contemporary shipping and port management -2nd edition.
https://www.koganpage.com/media/project_kp/document/maritime-logistics-2.pdf
10. Supply Chain and Logistics Management Made Easy
<http://ptgmedia.pearsoncmg.com/images/9780133993349/samplepages/9780133993349.pdf>

13. Information resources

1. Logistics: the distance course <https://site/marketingdistance>
2. <http://www.mr.com.ua>
3. <http://udc.com.ua/>
4. <http://www.i2.com.ua>
5. <http://www.profibook.com.ua>
6. <http://www.bdo.com.ua>
7. <http://www.univest-group.com/propoz/>
8. <http://bredmarketing.bigmir.net>
9. <http://www.glecsys.kiev.ua/promo.shtml>
10. <http://www.sebso.com.ua/>