

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
NATIONAL AVIATION UNIVERSITY
 Faculty of Transport, Management and Logistics
 Management of Foreign Economic Activity of Enterprises Department

AGREED
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 Transport, Management and Logistics


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 «20» 03 2023

APPROVED
 Vice-Rector for Academics


 Anatoliy POLUKHIN
 «23» 03 2023



Quality Management System


COURSE TRAINING PROGRAM
 on
“International Logistics and Process Management”

Educational and Professional Program: “Management of Foreign Economic Activity”
 Field of study: 07 “Management and Administration”
 Specialty: 073 “Management”

Form of study	Semester	Total (hours / ECTS credits)	Lectures	Practicals	Self-study	HW/ CGP/C	TP/CP	Form of semester control
Full-time	1	120/4,0	17	17	86	-	-	Graded Test – 1 s.
Extramural	1	120/4,0	6	6	108	1 CW – 1 s.		Graded Test – 1 s.

Index: CM-7-073-2/21-3.1.
 Index: CM-7-073-2pt/22-3.1.

QMS NAU CTP 19.06-01-2023

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The Course Training Program on “International Logistics and Process Management” is developed on the basis of the Educational and Professional Program “Management of Foreign Economic Activity”, Master Curriculum № CM-7-073-2/21, CM-7-073-2pt/22 and Master Extended Curriculum № ECM-7-073-2/22, № ECM-7-073-2pt/22 for the Specialty 073 “Management” and corresponding normative documents.

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The Course Training Program was discussed and approved by the Graduate Department for Educational and Professional Program “Management of Foreign Economic Activity”, Specialty 073 “Management” – Management of Foreign Economic Activity of Enterprises Department, Minutes № 01 of 01, February, 2023.

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«21» 03 2023

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INTRODUCTION

The Course training program (CTP) on “International Logistics and Process Management” is developed based on the “Methodical guidelines for the development and design of the course training program of the subject of full-time and part-time study”, approved by the order of the rector № 249/од. of 29.04.2021 and corresponding regulatory documents.

1. EXPLANATORY NOTE

1.1. Place, objectives, tasks of the subject.

The subject is a theoretical and practical basis for a set of knowledge and skills that form the profile of a logistics specialist in the management of foreign economic activity.

The **purpose** of teaching the subject is to form students’ ability to organize the movement of material and information flows in foreign economic activity.

The **tasks** of studying the subject are:

- methodological aspects of logistics management and the area of its implementation;
- features of the organization of supply and storage of goods in foreign economic activity;
- formation of knowledge about the methods of logistics management;
- the embodiment of a systemic vision of the logistics component of the foreign economic activity processes;
- identification of the features of transport support for foreign economic activity;
- acquisition of practical skills in organizing customs formalities;
- technical and economic features of certain types of transport, indicators of the quality of international freight traffic and the terms of delivery of goods in sales contracts.

1.2. Learning outcomes the subject makes it possible to achieve (in conjunction with other educational components).


As a result of studying the subject, the student must acquire the following **learning outcomes**:

- **PLO 2.** Identify problems in the organization and justify methods of their solution;
- **PLO 3.** Design effective management systems for organizations;
- **PLO 4.** Justify and manage projects, generate entrepreneurial ideas;
- **PLO 5.** Plan activities of the organization in strategic and tactical terms;
- **PLO 6.** Have the skills to make, justify and ensure the implementation of management decisions in unpredictable conditions, taking into account the requirements of current legislation, ethical considerations and social responsibility;
- **PLO 13.** Be able to plan and implement information, methodological, material, financial and personnel support of the organization (unit);
- **PLO 14.** Know the stages of enterprise’s foreign economic activity organization, documentation necessary for the implementation of foreign economic activity;
- **PLO 17.** Be able to analyze and evaluate the completeness of information in the professional activity and supplement and synthesize missing information, working in conditions of uncertainty;
- **PLO 24.** Ability to apply professional knowledge and skills in practice;
- **PLO 25.** Study international markets, European integration processes and prospects for cooperation with foreign partners on the basis of cross-cultural interaction.

1.3. Competences the subject makes it possible to acquire (in conjunction with other educational components).

As a result of studying the subject, the student must acquire the following **competences**:

- **IC1.** Ability to solve complex tasks and problems in the field of management or in the learning process that involve research and/or innovation under uncertain conditions and requirements.

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- **GC 6.** Ability to generate new ideas (creativity);
- **GC 11.** Ability to analyze and synthesize on the basis of logical arguments and verified facts. Ability to analyze and structure the problem of the enterprise and develop solutions (i.e. entering a new market/market environment);
- **GC 13.** Ability to analyze the financial, material, technical and personnel support of the research process;
- **GC 14.** Identification of functional areas of the organization and their interaction (i.e. procurement, production, logistics, marketing, finance, human resources);
- **GC 15.** Ability to organize and monitor the implementation of the production program, conduct research for the development and implementation of foreign economic policy of the enterprise, organization and control of foreign economic activity;
- **GC 17.** Ability to evaluate and analyze socio-economic processes and phenomena at the global (mega-), macro-, meso- and micro-levels.
- **PC 1.** Ability to select and use management concepts, methods and tools, including in accordance with the defined goals and international standards;
- **PC 4.** Ability to effectively use and develop resources in the organization;
- **PC 9.** Ability to analyze and structure the problems of the organization, make effective management decisions and ensure their implementation;
- **PC 12.** Ability to formulate tasks in the field of foreign economic activity management, to choose the appropriate directions and appropriate methods for their solution, taking into account the available capabilities and resources of the enterprise.

1.4. Interdisciplinary connections.

The subject “International Logistics and Process Management” is based on the knowledge of such subjects as: “Business Analysis and Data Processing”, “Strategic Supply Chain Management” and is the basis for studying such subjects as: “International Management and Marketing”, “Management of Foreign Economic Activity” and performing the qualification paper.

2. COURSE TRAINING PROGRAM ON THE SUBJECT

2.1. The subject content

Training material is structured according to the module principle and consists of **one educational module:**

- **Module № 1 “Management of international logistics processes”**, which is logically complete, relatively independent and holistic part of the subject, study of which leads to accomplishment of module test and further evaluation of its performance.

2.2. Modular structuring and integrated requirements for each module.

Module № 1 “Management of international logistics processes”

Integrated requirements to the module № 1: know the regulatory requirements, rules and traditions of organizing the movement of goods and information flows in foreign trade operations outside Ukraine, be able to manage the movement of goods and information flows at all levels of the logistics chain in the implementation of foreign trade operations.

Topic 1. Theoretical foundations of logistics.

The concept of logistics. Comprehensive and integrated approaches to the organization of international logistics. Stages of development of international logistics. Universal concept of logistics theory. Modern logistics concept. Basic principles and methods of international logistics. Types of logistics processes in the performance of foreign trade operations. Information flows in foreign trade operations. Concepts, mechanisms and tools for managing international logistics processes. Classification of international logistics providers.



Topic 2. Logistics of international supply.

The essence of the concepts of "purchase" and "supply" in international trade transactions. The essence of the concept of "logistics of international supply". Characteristics of modern suppliers. Information support for finding international suppliers. Algorithm for working with international suppliers. Evaluation and selection of international suppliers. Documentary cooperation with international suppliers. Methods of planning the need for material resources to ensure the activities of the subject of foreign economic activity.

Topic 3. International warehouse logistics.

Characteristics of the current state of storage facilities and their capabilities to meet the needs of the movement of foreign trade goods. The concept of international transit and customs warehouses. Justification of the need for warehouse infrastructure when organizing foreign trade operations.

International classification of warehouses. Methods for choosing the location of the train. Modern technologies for handling goods in the warehouse. Documenting the placement and movement of goods in the warehouse.

Topic 4. International transport logistics.

The essence and objectives of international transport logistics. International transport corridors. Criteria for choosing a mode of transport in foreign trade operations. Logistic solutions in international transportation. Cargo delivery systems. Methodical approaches to the calculation of transport costs and international tariffs. Methods for calculating and choosing the optimal route for the transportation of household goods. International automotive logistics. Legal aspects of the organization of international and domestic road transport. Types of vehicles and trailers. Features of acceptance of goods for carriage by road. Waybills and accompanying documents. Road transport tariffs. Geography of road transport. International maritime logistics. Features of the carriage of goods by sea containers. World port infrastructure. Container shipping companies. Types of containers and their characteristics. Loading procedures (stuffing) of containers. Waybills and accompanying documents. Calculation of the cost of transportation of containers. Geography of container shipping.


International rail transport logistics. International and national organizations in the field of rail freight. Legal regime for international and domestic rail transport. Rolling stock: wagons and containers, rules for their use. Container trains. Railway ferry service. Rules for accepting goods for carriage by rail. Rail freight rates. Cargo waybills and accompanying documents. Geography of freight rail transportation. International air freight logistics. Basic information about air cargo transportation. Concept of an air cargo agency. Geography of air cargo transportation. Aircraft and cargo handling facilities. Features of acceptance for transportation of various types of goods. Air freight booking. Costs calculation for air transportation. Air waybill and accompanying documents.

Topic 5. International freight forwarding.

The essence of freight forwarding services. International freight forwarder and freight forwarding. International and national organizations in the field of freight forwarding. Transport forwarding agreement. International transport corridors. Special transport services. An introduction to information technology in the field of forwarding.

Topic 6. International customs logistics.

Fundamentals of state customs. General provisions on customs regimes. General provisions on the conditions and procedure for moving and passing goods, commercial vehicles across the customs border. Customs clearance, declaration. General provisions on customs payments. General principles of customs control.

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2.3. Training schedule of the subject

№	Topic (thematic section)	Total, hours							
		Full-time				Extramural			
		Total	Lectures	Practicals	Self-study	Total	Lectures	Practicals	Self-study
1	2	3	4	5	6	7	8	9	10
1 semester									
Module № 1 “Management of international logistics processes”									
1.1.	Theoretical foundations of logistics	14	2	2	10	17	1	1	15
1.2.	Logistics of international supply	16	2	2	10	17	1	1	15
1.3.	International warehouse logistics	23	2	2	15	19	1	1	17
1.4.	International transport logistics	31	2	2	23	20	1	1	18
1.5.	International freight forwarding	15	2	2	11	19	1	1	17
1.6.	International customs logistics	18	2	1	15	20	1	1	18
1.7.	Performing control work (extramural)	-	-	-	-	8	-	-	8
1.8.	Module Test № 1	3	1	-	2	-	-	-	-
Total for the module № 1									
Total for 1 semester		120	17	17	86	120	6	6	108
Total for the subject		120	17	17	86	120	6	6	108

2.4. Home control work (extramural form of study)

Home control work (extramural form of study) is performed in the first semester, in accordance with the approved methodical guidelines, in order to consolidate and deepen the theoretical knowledge and skills of the student in the studying the subject.

Home control work (extramural form of study) is performed by the student individually in accordance with the topics offered by the teachers of the department. The time required to complete homework is 8 hours.

2.5. List of questions to prepare for the graded test

The list of questions and content of tasks for preparation for the graded test are developed by leading teachers and approved by on the department meeting and brought to the attention of students.

3. BASIC CONCEPTS OF GUIDANCE ON THE SUBJECT

3.1. Teaching methods

The methods of teaching the subject “International Logistics and Process Management” are ways of joint activity and communication of a teacher and higher education seekers, ensuring the development of positive motivation for learning, mastering the system of professional knowledge and skills, the formation of a scientific worldview, the development of cognitive forces, the culture of mental work of future specialists in the specialty 073 “Management”.

The following teaching methods are used in the study of the discipline:



- verbal (explanation, clarification, narration, conversation, lecture);
- visual (illustrations, demonstrations);
- practical (practical tasks, case studies);
- reproductive (algorithms for performing practical and self-study tasks);
- problem-based presentation (formulation of problems, search for ways to solve them);
- partially searching (independent study of course issues);
- research (self-study of the student);
- analytical (time analysis, structural analysis, comparative analysis, trend analysis);
- static method (method of coefficients, method of normalization, method of additive and multiplicative convolution, expert method, scoring method).

3.2. List of references (basic and additional)

Basic references

- 3.2.1. Lavrushchenko Y., Lytvynenko S., Petrenko O., Medvediev I., Zagorodnia Y., Lytvynenko L. Multimodal cargo transportation and logistics services: Tutorial. Kyiv: Publishing House “Condor”, 2021. 272 p.
- 3.2.2. Logistics sector analysis report and guide. TRA2 Region. Ankara: R.T. Ministry of Industry and Technology General Directorate of Development Agencies, 2021. 100 p. URL: <https://www.undp.org/sites/g/files/zskgke326/files/migration/tr/lojistik-tra2.pdf>
- 3.2.3. David A.P. International Logistics: the Management of International Trade Operations. 6th edition. Ohio: Cicero Books LLC, 2021. 866 p.
- 3.2.4. Крикавський Є.В., Чернописька Н.В. Логістичні системи: підручник. Львів: Видавництво НУ «Львівська політехніка», 2019. 288 с.
- 3.2.5. Крикавський Є., Похильченко О., Фертч М. Логістика та управління ланцюгами поставок: підруч. Львів: Видавництво Львівської політехніки, 2019. 848 с.
- 3.2.6. Негода А. В. Міжнародна логістика у схемах: навч. посіб. К.: КНУ імені Тараса Шевченка, 2019. 214 с.

Additional references

- 3.2.7. European Logistics & Supply Chain Sustainability Report 2022. Warsaw: HFW, Panattoni Europe, 2022. 33 p. URL: <https://www.hfw.com/downloads/004068-European-Logistics-Supply-Chain-Sustainability-Report-2022.pdf>
- 3.2.8. Global Logistics Outlook. 2021. Chicago: Cushman & Wakefield, 2021. 22 p. URL: <https://cwrealkapital.no/wp-content/uploads/sites/2/2021/05/2021-Global-Logistics-Outlook.pdf>
- 3.2.9. Transport & Logistics Barometer. 2022 half-year analysis. Washington: PwC, 2022. 34 p. URL: <https://www.pwccn.com/en/transportation/transport-and-logistics-barometer-nov2022.pdf>

3.3. Internet Information Resources

- 3.3.1 Association for Transport, Freight Forwarding and Logistics Organizations in Ukraine “Ukrzovnishtrans”. URL: <http://atfl.org.ua/>
- 3.3.2. European Logistics Association. URL: <http://www.elalog.org>
- 3.3.3. Ukrainian Logistics Alliance. URL: <http://www.ulaonline.org>
- 3.3.4. Distribution and Logistics Magazine. URL: <http://www.ukrlogistica.com.ua>
- 3.3.5. Logistics services. URL: <http://www.eurolog.com>
- 3.3.6. Logistics Association. URL: <http://www.clml.org>

4. RATING SYSTEM OF KNOWLEDGE AND SKILLS ASSESSMENT

4.1. Grading of different kinds of academic activities performed by a student and obtained knowledge and skills are realized in values in line with Table 4.1.



Table 4.1

Kind of Academic Work	Maximum Grade Values	
	Full-time	Extramural
	Module № 1	
	1 semester	
Carrying out tasks on practicals	10 points × 6 = 60	15 points × 2 = 30
Carrying out test tasks	10 points × 3 = 30	10 points × 1 = 10
Carrying out the Home control work (extramural form of study)	-	30
<i>For admission to complete module test № 1, a student must receive not less than</i>	<i>54 points</i>	-
Carrying out Module Test № 1	10	-
Total by the Module № 1	100	70
Final control work (extramural form of study)	-	30
Total by the subject	100	100

4.2. Completed types of educational work are credited to the student if he received a positive rating for them (Appendix 1).

The credit rating is determined (in points and on a national scale) based on the results of all types of educational work during the year.

4.3. The sum of grades received by the student for certain types of completed educational work is the Current Module Grade, which is entered into the Module Register.

4.4. The sum of the current modular and control ratings is the final modular rating assessment, which is converted into a score on the national scale and the ECTS scale (Appendix 2).

4.5. The graded test rating assessment consists of points based on the results of the final semester test paper tasks approved by the department in the prescribed manner (extramural form of study).

The sum of the final semester modular and graded test ratings, in points, is the final semester rating, which is converted into assessments on the national scale and the ECTS scale.

4.5. The Total Semester Grade is entered into the Examination Register, educational cards and into a student's record book in values, National Scale grades, and ECTS Scale grades, for example: *92/Excellent/A, 87/Good/B, 79/Good/C, 68/Sat./D, 65/Sat./E*, etc.

4.6. The Total Grade is equalled the Total Semester Grade. The Total Semester Grade is entered into the Diploma Supplement.



(Ф 03.02-01)

АРКУШ ПОШИРЕННЯ ДОКУМЕНТА

№ прим.	Куди передано (підрозділ)	Дата видачі	П.І.Б. отримувача	Підпис отримувача	Примітки
	Центр	23.03.23	Шеєкієва Н.		

(Ф 03.02-02)

АРКУШ ОЗНАЙОМЛЕННЯ З ДОКУМЕНТОМ

№ пор.	Прізвище ім'я по-батькові	Підпис ознайомленої особи	Дата ознайомлення	Примітки
1.	Литвиненко Л.		23.03.23	

(Ф 03.02-04)

АРКУШ РЕЄСТРАЦІЇ РЕВІЗІЇ

№ пор.	Прізвище ім'я по-батькові	Дата ревізії	Підпис	Висновок щодо адекватності
1.	Фесорчук О.М.	06.06.2023		Діяє адекватно процесу № 7 від 06.06.23

(Ф 03.02-03)

АРКУШ ОБЛІКУ ЗМІН

№ зміни	№ листа (сторінки)				Підпис особи, яка внесла зміну	Дата внесення зміни	Дата введення зміни
	Зміненого	Заміненого	Нового	Анульованого			

(Ф 03.02-32)

УЗГОДЖЕННЯ ЗМІН

	Підпис	Ініціали, прізвище	Посада	Дата
Розробник				
Узгоджено				
Узгоджено				
Узгоджено				