

Syllabus Course Program



International Logistics

Specialty

073 - Management

Educational program

International Business

Level of education

Master level

Semester

2

Institute

Institute of Education and Science in Economics,
Management and International Business

Department

Management

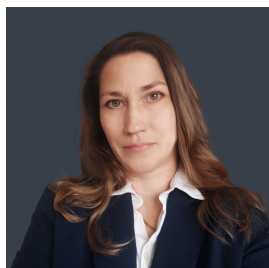
Course type

Profile training, Profiled discipline package 02
"Management of foreign economic activities",
Mandatory

Language of instruction

English

Lecturers and course developers

**First name and surname**

natalia.shyriaieva@khpi.edu.ua

PhD, associate professor, associate professor

General information, number of publications, main courses, etc.

[More about the lecturer on the department's website](#)

General information

Summary

International logistics is a key component of modern globalized business, ensuring efficient and timely movement of goods across borders. It covers a wide range of activities, from supply chain management to customs brokerage and transportation. With the emergence of companies with offices around the world, international logistics is becoming even more accessible and efficient for businesses of all sizes. Success in international transportation logistics depends on the efficiency and reliability of logistics partners and their ability to adapt to changes in the global economic and political environment

Course objectives and goals

The purpose of the course is to study the principles, practices and problems associated with the movement of goods, services and information across international borders. The tasks of the study discipline "International logistics" include the formation of knowledge and practical skills on the conceptual and conceptual bases and aspects of international logistics activities, as well as the world market of logistics services and its regional features; skills in establishing cooperation with foreign strategic partners, as well as attracting foreign investments; skills necessary to navigate the complexity of global supply chains and effectively manage logistics operations in an international context

Format of classes

Lectures, workshops, consultations. Individual assignment (calculation task). Final control – exam.

Competencies

GC 1. Ability to conduct research at an appropriate level.

GC 6. Ability to generate new ideas (creativity).

GC 7. Ability to abstract thinking, analysis and synthesis.

SC 1. Ability to choose and use management concepts, methods and tools, including in accordance with defined goals and international standards.

SC 4. Ability to effectively use and develop the organization's resources.

SC 9. Ability to analyze and structure organizational problems, make effective management decisions and ensure their implementation.

SC10. Ability to manage the organization and its development.

SC11. The ability to develop, adopt and implement management decisions in an international firm in the conditions of accelerating global transformations, caused in particular by the constant increase in technological dynamism in world markets.

SSC2.1. The ability to plan, implement and control business processes aimed at achieving the foreign economic goals of the enterprise.

SSC2.2. The ability to develop and implement measures for the sale of products or services in the foreign market.

Learning outcomes

LO 1. Critically consider, choose and use the necessary scientific, methodical and analytical tools for management in unpredictable conditions.

LO 3. To design effective management systems of organizations.

LO 5. To plan the activities of the organization in strategic and tactical sections.

LO 14. Develop innovative management solutions in international business in conditions of accelerating global transformations.

LO 2.1. Analyze the economic, sociocultural, political and legal factors of the international business environment of the enterprise.

LO2.2. Develop management solutions for export-import operations and foreign economic activities of the enterprise.

Student workload

The total volume of the course is 120 hours (4 ECTS credits): lectures - 32 hours, workshops - 16 hours, self-study - 72 hours.

Course prerequisites

Previous courses that are necessary to complete before and for successful course completion: Business Communications, International business, International Supply Chains, Logistics, Management of International Export-Import Operations, Economic Statistics

Features of the course, teaching and learning methods, and technologies

Interactive lectures with presentations, discussions, workshops, project-based learning, teamwork, gamification, case studies

Program of the course

Topics of the lectures

Topic 1. Globalization and international logistics

1.1 Conditions of operation and development of logistics on a global scale

1.2 Theoretical foundations of international logistics

1.3 Networks and channels of international logistics

Topic 2. Management methods in international logistics.

2.1 Tools contributing to international logistics management

2.2 Concepts of international logistics as "Lean production", adaptive (Agile) management,

2.3 Effective customer response, Reference model of the supply chain.

Topic 3. Logistics centers.

3.1 Definition and functions of logistics centers

3.2 Classification of logistics centers

3.3 Logistics center equipment and infrastructure.

Topic 4. Transport for the needs of international logistics.

4.1 Classification of transport according to EU standards

4.2 Intermodal transportation

4.3 Companies in the field of transport and logistics services

Topic 5. Documents in foreign and domestic transportation

5.1 Supplies

5.2 Documentation

5.3 "Electronic pen" and paper documentation

Topic 6. Transport in foreign trade.

6.1 Transport management.

6.2 Incoterms® 2010 delivery terms.

6.3 Insurance of international transportation.

Topic 7. Automatic identification in transport processes.

7.1 Packaging in transport.

7.2 Marking of packaging.

7.3 GS1 Barcodes vs. Electronic Product Code (EPC).

Topic 8. IT systems for logistics needs.

8.1 IT technologies that support and integrate information flows.

8.2 Devices and tools used in modern transport systems.

Topic 9. The concept of sustainable development in international logistics.

9.1 Sustainability in international logistics.

9.2 Importance of sustainable practices.

9.3 Case studies of companies implementing sustainability.

Topic 10. International logistics security.

10.1 Security risks.

10.2 International logistics security management.

Topics of the workshops

Topic 1. Concepts of international logistics.

Concepts of "Planning of needs and resources", "Just in time", "Lean production" and "Quick response", "Green logistics" and "Geology".

Topic 2. Study of the peculiarities of the humanitarian and peacekeeping aspect of international logistics

Examples of countries in critical conditions.

Topic 3. Types of contracts and forms of settlement in international logistics

Modeling of negotiations and formation of documents.

Topic 4. Seminar on sustainable international logistics

Interactive session on implementation of sustainable development.

Topic 5. Features and trends of packaging, storage, insurance

Case studies of international companies.

Topic 6. Digitalization and investment in logistics infrastructure

Case studies of international companies

Topics of the laboratory classes

This course does not include laboratory classes.

Self-study

Students have all supporting materials for self-studying. An individual task is a necessary element of the final assessment. The IA topics are introduced to students in the beginning of the semester. The topics will reflect current challenges in international logistics and will be related to digitalization and the concept of sustainable development. The results of the IA should be compiled into a file and supported by a presentation.

Course materials and recommended reading

Compulsory materials

- 1 Szymonik A. International Logistics. Lodz University of Technology Press. 2014. 119 p.
2. Branch, Alan E. Global supply chain management and international logistics. Routledge, 2008. P. 187.
3. Goldsby, Thomas J., and Robert Martichenko. Lean six sigma logistics: Strategic development to operational success. J. Ross Publishing, 2005.
4. Frazelle, Edward H. Supply chain strategy: Unleash the power of business integration to maximize financial, service, and operations performance. McGraw-Hill Education, 2018.
5. Mangan, John, and Chandra Lalwani. Global logistics and supply chain management. John Wiley & Sons, 2016.
6. Wood, Donald F., et al. International logistics. Springer Science & Business Media, 1995.
7. Baraniecka A., Rodawski B., Skowronska A. Logistyka: Cwiczenia. – Wraclaw: AE, 2005. – 195 s.
8. Bonaccsch E., Wilson I. Getting the Goods: Ports, Labor and the Logistics Revolution. – NY: Cornell University, 2008/ - 273 p.
9. Логістика : навч. посібник / О. Б. Білоцерківський [та ін.] ; Нац. техн. ун-т "Харків. політехн. ін-т". – Харків : НТУ "ХПІ", 2010. – 152 с. <http://repository.kpi.kharkov.ua/handle/KhPI-Press/34879>
10. Методичні вказівки до практичних занять з курсу "Міжнародна логістика" : для студентів спец. 073 "Менеджмент", 076 "Підприємництво, торгівля та біржова діяльність" [Електронний ресурс] / уклад.: Н. В. Ширяєва, А. Б. Макаренко, О. Б. Білоцерківський ; Нац. техн. ун-т "Харків. політехн. ін-т". – Електрон. текст. дані. – Харків, 2020. – 100 с. – URL: <http://repository.kpi.kharkov.ua/handle/KhPI-Press/47542>

Additional materials

- 1 Branch, Alan E. Global supply chain management and international logistics. Routledge, 2008. P. 187.
- Basu, Ron, and J. Nevan Wright. Total supply chain management. Routledge, 2010.
- 2 Li, Pengzhong, ed. Supply chain management. BoD–Books on Demand, 2011.
- 3 Mangan, John, and Chandra Lalwani. Global logistics and supply chain management. John Wiley & Sons, 2016.
- 4 Колодізева Т. О. Управління ланцюгами поставок : навчальний посібник. — Харків : ХНЕУ ім. С. Кузнеця, 2016. — 164 с.
- 5 McKinsey and Company. What is supply chain? URL: <https://www.mckinsey.com/featured-insights/mckinsey-explainers/what-is-supply-chain>

Assessment and grading

Criteria for assessment of student performance, and the final score structure

100% Final assessment as a result of Final exam (40%) and Continuous assessment (60%).
40% Final exam: written assignment (theory + problem solving) and its oral presentation.
60% Continuous assessment: online tests and individual calculation assignment.

Grading scale

Total points	National	ECTS
90–100	Excellent	A
82–89	Good	B
75–81	Good	C
64–74	Satisfactory	D
60–63	Satisfactory	E
35–59	Unsatisfactory (requires additional learning)	FX
1–34	Unsatisfactory (requires repetition of the course)	F

Norms of academic integrity and course policy

The student must adhere to the Code of Ethics of Academic Relations and Integrity of NTU "KhPI": to demonstrate discipline, good manners, kindness, honesty, and responsibility. Conflict situations should be

openly discussed in academic groups with a lecturer, and if it is impossible to resolve the conflict, they should be brought to the attention of the Institute's management.
Regulatory and legal documents related to the implementation of the principles of academic integrity at NTU "KhPI" are available on the website: <http://blogs.kpi.kharkov.ua/v2/nv/akademichna-dobrochesnist/>

Approval

Approved by

03.02.2024

Head of the department
Olena PROKHORENKO

Guarantor of the educational
program
Taras DANKO