

Syllabus Course Program



Management of Global Value Chains

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

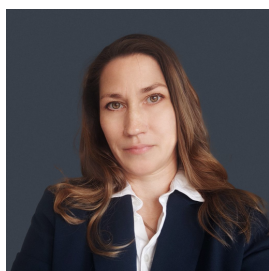
Course type

Profile training, Profiled discipline package 01 "International Business", Mandatory

Language of instruction

English

Lecturers and course developers

**First name and surname**

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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

The global value chain connects the two extremes of the world of international trade – suppliers and customers; and identifies how value can be added at the steps involved in the supply chain process. Value chain analysis goes beyond the analysis of a specific firm, allowing a careful examination of the dynamic flows between economic, organizational and other activities. The course examines the logistics cycle in detail, including reverse logistics and outsourcing, focuses on the role of IT, and explores flexible and sustainable value chains

Course objectives and goals

The course "Management of Global Value Chains" aims to study theoretical foundations and get acquainted with the main business processes in global value chains, as well as the importance and features of the application of management tools to global value chains. As a result of studying this course, students can acquire core skills such as strategic thinking, cross-cultural management and decision-making skills, while providing knowledge covering global value chain concepts, sustainable development practices and understanding of country-specific issues

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. The ability to determine the functional areas of the organization and the relationships between them.

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

SC10. The ability to assess the performed works, to ensure their quality and to motivate personnel of an organization.

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.

SSC1.1. The ability to plan, implement and control business processes aimed at achieving the efficiency of international functional operations of multinational corporations.

SSC1.2. The ability to describe business processes in supply chains and to manage material, information, financial and other flows

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 1.1. Analyze the economic, sociocultural, political and legal factors of the international business environment of a multinational corporation.

LO1.2. To evaluate the effectiveness of supply chain management and to identify areas for optimization.

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. Introduction to global value chains

1.1 Understanding global value chains

1.2 Definition, components and importance of global value chains.

1.3 Historical evolution and modern landscape

Topic 2. Strategies for global value chains.

2.1 Models and approaches to managing global value chains

2.2. Case studies of successful and unsuccessful strategies.

Topic 3. Analytical tools for managing global value chains.

3.1 Analytical frameworks

3.2 Introduction to value stream mapping, network analysis and other tools

3.3 Examples of application in global value chains.

Topic 4. Decision-making in global value chains.

4.1 Trade-offs in global value chain solutions.

4.2 Simulation exercises to practice decision-making

Topic 5. Integration of Ukraine into global value chains

5.1 Ukraine in world trade

5.2 Analysis of Ukraine's current position in global value chains.

5.3 Strategies for increasing integration

Topic 6. Planning and implementation of activities that create values.

Possible actions to increase global value creation.

Topic 7. Sustainable value chains.

7.1 Sustainability in global value chains.

7.2 Importance of sustainable practices.

7.3 Case studies of companies implementing sustainability.

Topic 8. Creativity and innovation in global value chains.

8.1 Fostering innovation in global value chains.

Topic 9. Analysis of the international business environment.

9.1 Analysis of business environment factors.

9.2 Economic, socio-cultural, political and legal factors.

9.3 Impact on transnational corporations.

Topics of the workshops

Topic 1. Analysis of global value chain strategies.

Case study and discussion.

Topic 2. Workshop on analytical tools

Practical exercises.

Topic 3. Group project: Ukraine in global value chains

Research and presentation of Ukraine's integration strategies.

Topic 4. Workshop on sustainable value chains

Interactive session on implementation of sustainable development.

Topic 5. Analysis of examples: global business environment

Scenarios and proposal of management solutions.

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 the management of global value chains 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. Глобальні ланцюги вартості : монографія / Г. В. Дугінець. – Київ : Київ. нац. торг.-екон. ун-т, 2018. – 412 с. ISBN 978-966-629-881-5.
2. Porter M.E. Competition in Global Industries: A Conceptual Framework. Competition in Global Industries / M.E. Porter. Boston : Harvard Business School Press, 1986.
3. Amador, J. The Age of Global Value Chains / J. Amador [Electronic resource] // CEPR's Policy Portal, 2015. – Режим доступу : <http://voxeu.org/content/age-global-value-chains-maps-and-policy-issues>.6 4.
4. Taglioni, Daria, and Deborah Winkler. Making Global Value Chains Work for Development, World Bank Publications, 2016. ProQuest Ebook Central. 289 p. URL: <http://ebookcentral.proquest.com/lib/hrw/detail.action?docID=4560478>.
5. Global Value Chains, Flexibility and Sustainability. 2018. 345 p. ISBN : 978-981-10-8928-2

6. Betti F., Hong P.C. A Global Rewiring: Redefining Global Value Chains for the Future. WEF. 2022. 21 p. URL: https://www3.weforum.org/docs/WEF_A_Global_Rewiring_Global_Value_Chains_2022.pdf.
7. Eckstein, David, Vera Künzel and Laura Schäfer, Global Climate Risk Index 2021, January 2021/ URL: https://www.germanwatch.org/sites/default/files/Global%20Climate%20Risk%20Index%202021_2.pdf.
8. "Climate Change Indicators: Heat Waves", United States Environmental Protection Agency (EPA), 2022,/ URL: <https://www.epa.gov/climate-indicators/climate-change-indicators-heat-waves>.
9. Томпсон А.А. Стратегический менеджмент: концепции и ситуации для анализа : пер. с англ. / А.А. Томпсон, А. Дж. Стрикленд, М. : Вильямс, 2006. 928 с.
10. Pietrobelli C., Rabellotti R. (2011) Global Value Chains Meet Innovation Systems: Are ere Learning Opportunities for Developing Countries? // World Development. – Vol. 39. – No 7. – P. 1261–1269. DOI: 10.1016/j.worlddev.2010.05.013.
11. Cattaneo O. Global value chains in a Postcrisis world: A development perspective / O. Cattaneo, G. Gereffi, C. Staritz // The International Bank for Reconstruction and Development / The World Bank. – Washington, 2010. – 394 p. – Режим доступа : https://openknowledge.worldbank.org/bitstream/handle/10986/2509/569230PUB0glob1C0disclosed01015110_1.pdf?sequence=1&isAllowed=y.
12. Movchan V. Quantitative Assessment of Ukraine's Regional Integration Options: DCFTA with European Union vs, Customs Union with Russia, Belarus and Kazakhstan / V.Movchan, R.Giucci. – Berlin/Kyiv : German Advisory Group, Institute for Economic Research and Policy Consulting, 2011. – P. 6–12.
- 13 Szymonik, A. (2012). Logistics and Supply Chain Management. https://www.researchgate.net/publication/297369572_Logistics_and_Supply_Chain_Management
- 14 Agolla, J. E. (2021). Smart Manufacturing: Quality Control Perspectives. In Quality Control—Intelligent Manufacturing, Robust Design and Charts. IntechOpen. <https://doi.org/10.5772/intechopen.95143>
- 10 Yuan, X.-M. (2020). Impact of Industry 4.0 on Inventory Systems and Optimization. In Industry 4.0-Impact on Intelligent Logistics and Manufacturing. IntechOpen. <https://doi.org/10.5772/intechopen.90077>

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

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Olena PROKHORENKO

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program
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