

DOCTORAL COURSE DESCRIPTION

Course name	Field of science, code	Faculty	Department
Business Integration	Management 003 S	Faculty of Economics and Business Administration	Business department
Delivery mode	ECTS credits	Delivery form	ECTS credits
Lectures		Consultations	1
Individual work	6	Seminars	

Course summary

The aim: to develop the competences to evaluate drivers, motives, and impacts of global value chains from the perspective of value chains.

Objectives:

- To deepen the theoretical knowledge of global supply chains, including the state of the art in science and practical manifestation.
- Develop critical thinking and a comprehensive understanding of value chain theories and their shortcomings.
- Understand the place of the industrial revolution 4.0, significance the development of intellectual property for the formation of value chains.
- Understand the importance, diversity, development and contemporary challenges of strategic equity and non-equity alliances.
- Understand the sustainability, resilience and risk factors of supply chains.
- Understand the global structure and enabling factors of R&D, production and distribution networks.
- Understand the significance of the diversity of cross-cultural, geopolitical and economic environments for the long-term sustainability of value chains and the emerging challenges.
- To be able to evaluate and critically analyze the place of R&D in the creation of value chains.
- The development of the concept of sustainability and social responsibility in value chains and the factors that change it.

Short description

The subject is targeted to the study of state of the art in theoretical and practical problems of social sciences in the creation and management of value chains in the conditions of the global market. The focus is on the challenges faced by global supply chains in relation to the factors that determine the reliability and resilience and adaptability of the supply chains. Recent factors such as pandemics, trade restrictions, national security, sustainability commitments that change value chain structures are examined. The subject presents the latest scientific publications of supply chain management, discusses the newest theories, the latest challenges, risks and threats that prompt a review of existing value chain networks.

Course content

Value chain. Business integration challenges and their coordination. Driving forces and motivations of global value chain development processes. Multinational companies and global production and distribution networks. Forms of strategic business partnerships - mergers and acquisitions, strategic alliances, clusters. Industry 4.0 revolution and the importance of intellectual property for value chains. Sustainability and social responsibility in global supply chains. Resilience of supply chains.

Evaluation

Research paper report (70 %), seminar, discussion and presentation (30%). Research paper should be based on newest scientific publications, state-of-art research analysis, critical evaluation, and insights. Paper length 25-30 pages.

Key readings
Agmon, T. (2020). The role of multinational enterprises in global valuation, <i>International Journal of Emerging Markets</i> , 15(1):, 4-23.
Ahi, P., & Searcy, C. (2021). Supply Chain Resilience and Adaptation in Consumer Goods: A Case Study of Unilever. <i>Journal of Supply Chain Management</i> , 57(7): 100-112.
Alvarado-Vargas, M.J. & Kelley, J.K. (2020)., “Bullwhip severity in conditions of uncertainty: regional vs global supply chain strategies”, <i>International Journal of Emerging Markets</i> , Vol. 15(No. 1):, pp. 131-148
Bailey, D. (2021). Supply Chain Management and the Post-COVID-19 Era: Strategies for Resilience. <i>Journal of Supply Chain Management</i> , 57(1): 3-12.
Barrett, S. Why Cooperate? – The Incentive to Supply Global Public Goods. Oxford Scholarship Online.
Baryannis, G., Dani, S., & Antoniou, G. (2020). Supply Chain Risk Management and COVID-19: A Systematic Review. <i>International Journal of Production Research</i> , 58(17), 5316-5335.
Brynjolfsson, E., & McAfee, A. (2021). Amazon's Supply Chain Innovation During the Pandemic: Leveraging AI and Automation. <i>Journal of Business Logistics</i> , 42(2): 160-175.
Cachon, G. P., & Swinney, R. (2020). The Impact of E-commerce on Supply Chain Distribution Networks: A Post-COVID Analysis. <i>Journal of Business Logistics</i> , 41(3): 235-250.
Caniato, F., Caridi, M., Crippa, L., & Moretto, A. (2020). The Role of Supply Chain Resilience in the Post-COVID-19 Era: Trends and Future Directions. <i>International Journal of Operations & Production Management</i> , 40(8): 1211-1233.
Choi, T. Y., & Guo, S. (2021). The Impact of Shifting Consumer Behavior on Supply Chain Adjustments During COVID-19. <i>Journal of Business Research</i> , 131, 48-57.
Chopra, S., & Meindl, P. (2022). Supply Chain Risk Management: A Case Study of Apple's Supplier Diversification Strategy. <i>International Journal of Operations & Production Management</i> , 42(4): 316-329.
Christel, L. and & Jocelyn, P., (2009) National Capitalisms, <i>Global Production Networks: Fashioning the Value Chain in the UK, US, and Germany</i> . Oxford Scholarship Online: 2009. DOI:10.1093/acprof:oso/9780199214815.001.0001
Christopher, M., and Peck, H. (2021). Building the Resilient Supply Chain: The Role of E-commerce in Post-Pandemic Logistics. <i>Journal of Business Logistics</i> , 42(3): 221-234.
Clarke, T. and Boersma, M. (2017), “The governance of global value chains: unresolved human rights, environmental and ethical dilemmas in the apple supply chain”, <i>Journal of Business Ethics</i> , Vol. 143 No. (1): , pp. 111-131.
Ejiro, M., and Adekunle, I. (2022). Resilience in the Supply Chain: Evidence from the COVID-19 Pandemic. <i>Journal of Supply Chain Management</i> , 58(3): 22-35.
Gera, R., Yada v, R., Khera, G.S. Saxena, A., Chadha, P. Dixit, P., Lebedinskaya, Y.S. (2022). A systematic literature review of supply chain management practices and performance. <i>Materials today: proceedings</i> , 69(2) 624-632.
Guan, X., & Chien, C. F. (2021). The Post-COVID-19 Shift Towards Circular Economy and Sustainability in Supply Chains. <i>Journal of Supply Chain Management</i> , 57(2): 1-14.
Harmon, P. Business process change. A business process management guide for managers and process professionals. 3rd edition. Morgan Kaufmann, 2014. 520 p. ISBN: 978-0128003879.
Ivanov, D. (2020). Predicting the Impact of Epidemics on Global Supply Chains: A Simulation-Based Approach. <i>International Journal of Production Research</i> , 58(13): 4239-4256.
Ivanov, D. (2021). Supply Chain Disruptions and Post-COVID-19 Supply Chain Recovery: A Global Perspective. <i>International Journal of Operations & Production Management</i> , 41(2), 115-131.
Ivanov, D. & Dolgui A. (2020). Viability of Intertwined Supply Networks: Extending the Supply Chain Resilience Angles Towards Survivability. <i>International Journal of Production Economics</i> , 229: 107861.
Koren, Y. The global manufacturing revolution: product-process-business integration and reconfigurable systems. J. Wiley and Sons, 2010. 424 p. doi: 10.1002/9780470618813. ISBN: 978-0-470-58377-7.
Lee, H. L., & Tang, C. S. (2020). Supply Chain Diversification and Post-COVID-19 Strategy: A Focus on Risk Management. <i>Journal of Operations Management</i> , 68(1): 59-75.
Li, T. (2020). Supply Chain Resilience in the Age of COVID-19: A Comparative Analysis. <i>Journal of Transport and Supply Chain Management</i> , 14: 1-15.

Lippert, I., Huzzard, T., Jürgens, U., Lazonick, W. Corporate Governance, Employee Voice, and Work Organization: Sustaining High-Road Jobs in the Automotive Supply Industry. Oxford Scholarship Online, 2014
Mollenkopf, D. A., & Lemoine, M. (2021). Impact of COVID-19 on Food Supply Chains: Resilience, Disruptions, and Adaptations. <i>International Journal of Logistics Management</i> , 32(3): 392-407.
Papadopoulos, T., & Gunasekaran, A. (2021). The Role of Digital Technologies in Supply Chain Adaptation and Resilience Post-COVID-19. <i>International Journal of Production Research</i> , 59(17): 5450-5465.
Peck, J. (2017). <i>Offshore: Exploring the Worlds of Global Outsourcing</i> . Oxford Scholarship Online.
Pratono, H.A. (2020)., “Cross-cultural collaboration for inclusive global value chain: a case study of rattan industry”, <i>International Journal of Emerging Markets</i> , 15(1): 149-170.
Sodhi, M. S., & Tang, C. S. (2021). Supply Chain Risk Management: Lessons from the COVID-19 Pandemic. <i>International Journal of Production Economics</i> , 235: 108089.
Stephenson, S. (2016)., Trade Governance Frameworks in a World of Global Value Chains: Policy Options, E15 Expert Group on Global Value Chains: Development Challenges and Policy Options – Policy Options Paper, E15Initiative, International Centre for Trade and Sustainable Development (ICTSD) and World Economic Forum, Geneva.
Stoneman, P. Bartoloni, B., Baussola, M. (2018). <i>The Microeconomics of Product Innovation</i> Oxford Scholarship Online.
Tanveer, S. & Taggar, R. (2021). Impact of COVID-19 on the Supply Chain Management of SMEs. <i>International Journal of Logistics Management</i> , 32(1), 55-75.
Vickova, J. & Thakur-Weigold, B.S. (2020). Global value chains in the MedTech industry, <i>International Journal of Emerging Markets</i> , 15(1): 70-92.
Yeoman, R. & Mueller Santos, M. (2020). A complex systems model for transformative supply chains in emerging markets”, <i>International Journal of Emerging Markets</i> , 15(1): 50-69.
Zhu, Q., & Geng, Y. (2021). Supply Chain Resilience in the Post-COVID Era: A Review and Research Agenda. <i>International Journal of Production Research</i> , 59(19): 5690-5707.

Consulting lecturer's name, last name	Scientific degree	Main publications in the field in the last 5 years
Andrius Jaržemskis	Dr.	<ul style="list-style-type: none"> • Voveris, D., <u>Jaržemskis, A.</u> & Girdvainienė, I. (2024). The paradox of independent board members and financial return of state-owned enterprises: Case of Lithuania. <i>Problems and perspectives in management</i>, 22(1): 205-217. • <u>Jaržemskis, A.</u> & Jaržemskienė I. (2023). The upgraded complex of payment methods following expansion of contract manufacturing in international trade. <i>Journal of business and economic development</i>. 8(1): 12-21. • <u>Jaržemskis, A.</u> & Jaržemskienė I. (2023). Quality of life dependence on public transport accessibility. <i>Review of innovation and competitiveness</i>, 9(1): 47-59. • <u>Jaržemskis, A.</u>, Bazaras, D., Jaržemskienė, I (2023). Commuting preferences in Eastern Europe: case study in town of Šiauliai. <i>Transport</i>, 38(1): 31-43. • <u>Jaržemskis, A.</u> & Jaržemskienė I. (2022). Forecast methods for investment of country wide electric vehicle charging stations: Lithuanian case. <i>12th International scientific conference "Business and management 2022"</i>, May 12–13, 2022, Vilnius. • <u>Jaržemskis, A.</u> & Jaržemskienė, I. (2022). European green deal implications on country level energy consumption. <i>Folia oeconomica stetinensia</i>, 22(2): 97-122.

Considered and approved by the Doctoral Committee of the Management Field of Vilnius University on November 8, 2024, Protocol No. (7.17 E) 15600-KT-589