University of Gdańsk

Subject card

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| Subject name and code | Supply chain logistics , PG_00198994 | | | | | | |
| Field of study | Economics | | | | | | |
| Date of commencement of studies | October 2026 | | Academic year of realisation of subject | | 2028/2029 | | |
| Education level | Bachelor's studies | | Subject group | | Obligatory subject group in the field of study<br>Optional subject group<br>Subject group related to scientific research in the field of study | | |
| Mode of study | full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 3 | | Language of instruction | | Polish | | |
| Semester of study | 6 | | ECTS credits | | 3.0 | | |
| Learning profile | academic | | Assessment form | | exam | | |
| Conducting unit | Department of Logistics -> Faculty of Economics -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr inż. Rafał Śpiewak | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 15.0 | 0.0 | 10.0 | 0.0 | 40 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | Self-study | SUM | |
| | Number of study hours | 40 | | 0.0 | 35.0 | 75 | |
| Subject objectives | Familiarizing students with key issues, processes and tools related to planning, organizing, implementing and controlling the flow of goods, information and financial resources throughout the supply chain - from raw material suppliers to the final recipient. Students will gain theoretical knowledge and practical skills in the field of cost and delivery time optimization, inventory management, cooperation with business partners and implementation of modern technologies supporting logistics efficiency in the enterprise. The subject prepares for making logistics decisions in the conditions of dynamic markets and global supply networks. | | | | | | |

Learning outcomes

| Course outcome | Subject outcome | Method of verification |
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| [EKONL3_U01] can correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain economic phenomena | The student is able to analyse and interpret economic and social phenomena occurring in supply chains, using knowledge of economics, finance and management to formulate reasoned conclusions and recommendations. | [SU4] test/exam - oral or written<br>[SU8] observation of student's independent or team work |
| [EKONL3_W07] has an advanced knowledge of the economic and financial principles of the functioning and management of economic entities and organisations as well as the legal, organisational, moral and ethical norms and rules governing the functioning of public institutions | The student knows and understands the basic economic and financial principles of managing business entities and organizations as well as the applicable legal, organizational, moral and ethical standards regulating the functioning of public institutions affecting supply chain logistics. | [SW4] test/exam - oral or written |
| [EKONL3_U13] be able to interact and work in a group (including an international one), assuming various roles within it | The student is able to work effectively in a team, including an international one, adapting to different roles and communicating with respect for cultural differences in order to jointly achieve logistic goals in the supply chain. | [SU4] test/exam - oral or written<br>[SU8] observation of student's independent or team work |
| [EKONL3_U03] is able to analyse the causes and course of specific economic and social processes and phenomena, and accurately analyse these phenomena using adequate methods and tools economic and social | The student is able to analyse the causes and course of economic and social processes taking place in supply chains and apply appropriate economic and social methods and tools to accurately evaluate and interpret them. | [SU4] test/exam - oral or written<br>[SU8] observation of student's independent or team work |
| [EKONL3_U07] is able to participate in analyses and evaluations of alternative solutions to economic and social problems and to choose the methods and instruments to resolve them rationally | The student is able to participate in the analysis and evaluation of various solutions to logistic, economic and social problems, selecting appropriate economic and managerial methods and tools that enable rational decision-making in supply chains. | [SU4] test/exam - oral or written<br>[SU8] observation of student's independent or team work |
| [EKONL3_W09] has an advanced knowledge of the evolution of theories describing economic entities and organisations as well as public institutions, and has an advanced knowledge of functional links within them | The student has advanced knowledge of the evolution of theories describing economic entities, organizations and public institutions, and understands the functional relationships between them that determine their interaction within supply chains. | [SW4] test/exam - oral or written |
| [EKONL3_K03] participates in the preparation of economic and social projects, being able to reconcile legal, economic, ecological, political and social requirements | The student is able to cooperate in the development of logistics projects, taking into account and reconciling legal, economic, ecological, political and social requirements, in accordance with the principles of sustainable development and social responsibility. | [SK4] test/exam - oral or written<br>[SK8] observation of student's independent or team work |
| [EKONL3_U05] uses normative systems (legal, professional, ethical) to solve a specific economic or social task | The student is able to apply legal, professional and ethical standards in the analysis and solution of specific economic and social problems related to supply chain logistics, ensuring compliance of activities with applicable regulations and standards. | [SU4] test/exam - oral or written<br>[SU8] observation of student's independent or team work |
| [EKONL3_W04] knows the types of economic and social ties and the regularities governing them | The student knows and understands the different types of economic and social relationships occurring in supply chains and the principles and mechanisms governing them, which allows for the effective management of relationships between participants in these chains. | [SW4] test/exam - oral or written |

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| | Course outcome | Subject outcome | Method of verification |
| | [EKONL3_W03] knows the relations between economic agents and social organisations operating in the national, international and intercultural arenas | The student has advanced knowledge of the relationships and interactions between economic entities and social organizations operating at the national, international and intercultural levels, with particular emphasis on their impact on the functioning and efficiency of supply chains. | [SW4] test/exam - oral or written<br>[SW2] presentation/project/paper/ report |
| | [EKONL3_W02] has an advanced knowledge of the different types of existing business entities and organisations and public institutions | The student has advanced knowledge of various types of business entities, organizations and public institutions operating in the economy, as well as their role and importance in the context of logistics and supply chain management. | [SW4] test/exam - oral or written<br>[SW2] presentation/project/paper/ report |

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| Subject contents | Logistics Basics Processes, Strategies, Information Systems<br>Logistics ZPD Supply, Production, Distribution<br>Transport Road, Rail, Sea, Air<br>Supply Chain Management Flexibility, Indicators, Technologies<br>Reverse Logistics Environment, Regulations, Waste<br>Quality Management TQM, 5 Why, Ishikawa Diagram<br>Project Management Scrum, Planning, Implementation<br>Lean Tools Lean, Kaizen, Six Sigma, Kanban<br>Logistics Controlling Costs, Budgeting, Indicator Analysis<br>Ecological Logistics / Green Logistics<br><br>Any doubts regarding the issues discussed during classes can be discussed during consultations. |
| Prerequisites and co-requisites | none |

| Assessment methods and criteria | | | |
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| | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | presentation - 20% | 51.0% | 20.0% |
| | activity during classes - 20% | 51.0% | 20.0% |
| | test results - 60% | 51.0% | 60.0% |

| Recommended reading | | |
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| | Basic literature | S. Chopra, P. Meindl (2016) Supply Chain Management: Strategy, Planning, and Operation, Pearson Education<br>M. Christopher (2016) Logistics and Supply Chain Management, Pearson Education |
| | Supplementary literature | Yu, Y., Wang, X., Zhong, R. Y., & Huang, G. Q. (2016). E-commerce logistics in supply chain management: Practice perspective. *Procedia Cirp*, *52*, 179-185. |
| | eResources addresses | |

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| Example issues/ example questions/ tasks being completed | After learning about the characteristics of ABC Company, select appropriate supply chain assessment metrics. Create three optimization scenarios from a cost, time, or environmental perspective. |
| Work placement | Not applicable |

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