

COURSE DESCRIPTION CARD

| Bialystok University of Technology Faculty of Engineering Management | | | | | | | | | | |
|---|--|---|----|---|----|----|---|---|----------------------------|--|
| Field of study | Management/Logistics | | | | | | | Degree level and programme type | first degree/second degree | |
| Specialisation/ diploma path | - | | | | | | | Study profile | - | |
| Course name | International transport | | | | | | | Course code | IS-FM-00112S | |
| | | | | | | | | Course type | elective | |
| Forms and number of hours of educational activities | L | C | LC | P | SW | FW | S | Semester | summer | |
| | | | | | 30 | | | No. of ECTS credits | 5 | |
| Entry requirements | - | | | | | | | | | |
| Course objectives | The majority of global trade is carried out in containers, therefore this course aims at teaching planning and organisation of global transport, which most often requires intermodal transport with a combination of road and maritime or rail transport. Learning about types of containers and transshipment processes, selecting modes of transport, forming load units, analysing transport chains in intermodal transport, political, economic and social factors affecting transportation, calculating costs and choosing best options for the particular type of a load and taking into account current situation. | | | | | | | | | |
| Course content | General information about international transport; Means of transport and loading units; Concept of container transport. Choice of mode of transport by type of cargo, cost of transport, transport corridors, safety, environmental aspects; | | | | | | | | | |
| Teaching methods | presentation, discussion, project | | | | | | | | | |
| Assessment method | Evaluation of active participation in the class, report from the project | | | | | | | | | |
| Symbol of learning outcome | Learning outcomes | | | | | | | Reference to the learning outcomes for the field of study | | |
| | Knowledge: the graduate knows and understands | | | | | | | - | | |
| LO1 | the student: defines the terms related to international transport and is able to elaborate on their essence | | | | | | | - | | |
| LO2 | understands the complexity of processes included in global transport | | | | | | | - | | |
| | Skills: the graduate is able to | | | | | | | - | | |
| LO3 | plan and organise international transport | | | | | | | - | | |
| LO4 | choose the mode of transport with respect to type of cargo, calculate costs, choose transport corridors, analyse factors affecting transport | | | | | | | - | | |

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| | Social competence: the graduate is ready to | - | |
| LO5 | carry out a project in a group and present its results | - | |
| Symbol of learning outcome | Methods of assessing the learning outcomes | Type of tuition during which the outcome is assessed | |
| LO1 | discussion, evaluation of project results | SW | |
| LO2 | evaluation of project results and its presentation | SW | |
| LO3 | evaluation of project results | SW | |
| LO4 | evaluation of project results | SW | |
| LO5 | evaluation of project results and its presentation | SW | |
| Student workload (in hours) | | No. of hours | |
| Calculation | participation in the class | 30 | |
| | preparation for classes | 10 | |
| | working on the project, preparation of the report | 30 | |
| | preparation for the project defence | 10 | |
| | participation in consultations | 10 | |
| | TOTAL: | 90 | |
| Quantitative indicators | | HOURS | No. of ECTS credits |
| Student workload – activities that require direct teacher participation | | 40 | 1,5 |
| Student workload – practical activities | | 90 | 3,5 |
| Basic references | 1. Rodrigue J.P., Comtois C., Slack B., The geography of transport systems, Routledge Taylor and Francis Group, New York 2013 2. Kuźmicz K.A., Pesch E., 2019, Approaches to empty container repositioning problem, Omega, 85, 194-213 3. Y. Jiang, G. Qiao, J. Lu, 2020, Impacts of the New International Land–Sea Trade Corridor on the Freight Transport Structure in China, Central Asia, the ASEAN countries and the EU, Research in Transportation Business & Management, Vol. 35, 100419 | | |
| Supplementary references | 1. Tekil-Ergün S., Pesch E., Kuzmicz K.A., 2022, Solving a hybrid mixed fleet heterogeneous dial-a-ride problem in delay-sensitive container transportation, International Journal of Production Research, 60:1, 297-323 2. Kuźmicz K.A., 2022, The impact of the Covid-19 pandemic disruptions on container transport, Engineering Management in Production and Services, Vol. 14, No 2, 106-115 | | |
| Organisational unit conducting the course | International Department of Logistics and Service Engineering | Date of issuing the programme | |
| Author of the programme | dr Katarzyna Kuźmicz | 26.03.2023 | |

L – lecture, C – classes, LC – laboratory classes, P – project, SW – specialization workshop, FW - field work, S – seminar

