

**Subject card**

|  |   |  |                  |                                     |  |            |     |
|--|---|--|------------------|-------------------------------------|--|------------|-----|
| <b>Subject name and code</b>                       | Business Logistics , PG_00200387  |  |                  |                                     |  |            |     |
| <b>Field of study</b>                              | Logistics and Mobility  |  |                  |                                     |  |            |     |
| <b>Date of commencement of studies</b>             | October 2026  | <b>Academic year of realisation of subject</b>           |                  |                                     | 2027/2028  |            |     |
| <b>Education level</b>                             | Bachelor's studies  | <b>Subject group</b>                                     |                  |                                     | Obligatory subject group in the field of study<br>Subject group related to scientific research in the field of study |            |     |
| <b>Mode of study</b>                               | full-time studies   | <b>Mode of delivery</b>                                  |                  |                                     | at the university  |            |     |
| <b>Year of study</b>                               | 2   | <b>Language of instruction</b>                           |                  |                                     | English  |            |     |
| <b>Semester of study</b>                           | 3   | <b>ECTS credits</b>                                      |                  |                                     | 3.0  |            |     |
| <b>Learning profile</b>                            | academic  | <b>Assessment form</b>                                   |                  |                                     | credit   |            |     |
| <b>Conducting unit</b>                             |   |  |                  |                                     |  |            |     |
| <b>Name and surname of lecturer (lecturers)</b>    | <b>Subject supervisor</b>   |  | dr Leszek Reszka |                                     |  |            |     |
|  | <b>Teachers</b>   |  |                  |                                     |  |            |     |
| <b>Lesson types</b>                                | <b>Lesson type</b>  | Lecture  | Tutorial         | Laboratory                          | Project  | Seminar    | SUM |
|  | <b>Number of study hours</b>  | 0.0  | 30.0             | 0.0                                 | 15.0   | 0.0        | 45  |
|  | E-learning hours included: 0.0  |  |                  |                                     |  |            |     |
| <b>Learning activity and number of study hours</b> | <b>Learning activity</b>  | Participation in didactic classes included in study plan |                  | Participation in consultation hours |  | Self-study | SUM |
|  | <b>Number of study hours</b>  | 45   |                  | 0.0                                 |  | 30.0       | 75  |
| <b>Subject objectives</b>                          | <p>The aim of the course is to provide knowledge of the basics of logistics, to present the importance of logistic processes and systems in the functioning of economic processes, to present selected methods of logistics management and the ability to use them in practice.</p> <p>By preparing projects, students develop the ability to work in a team.</p> |  |                  |                                     |  |            |     |

| Learning outcomes | Course outcome   | Subject outcome   | Method of verification   |
|-------------------|--|---|--|
|                   | [LML3_W01] has advanced knowledge in social sciences, their importance in the system of sciences, and understands the role of logistics and mobility in this context, knows the universal terminology related to logistics and mobility  | The student acquires knowledge of the logistical support of the organisation.   | [SW4] test/exam - oral or written<br>[SW1] oral statement/<br>conversation/discussion<br>[SW2] presentation/project/paper/<br>report   |
|                   | [LML3_W09] has advanced knowledge of the evolution of theories describing logistics and mobility   | The student has advanced knowledge of the evolution of logistics.   | [SW4] test/exam - oral or written<br>[SW1] oral statement/<br>conversation/discussion<br>[SW2] presentation/project/paper/<br>report   |
|                   | [LML3_U13] is able to interact and work in a group (including in an international environment), taking various roles in it   | The student is able to participate effectively in team collaboration, including in an international environment.                                    | [SU1] oral statement/conversation/<br>discussion<br>[SU2] presentation/project/paper/<br>report<br>[SU4] test/exam - oral or written<br>[SU8] observation of student's<br>independent or team work |
|                   | [LML3_U10] has the ability to prepare oral presentations on issues related to logistics and mobility, using specialized terminology, theoretical approaches, principles of collecting various sources of data, their description and interpretation, and inference based on scientific literature, is able to actively participate in the debate | The student is able to develop and deliver oral presentations on logistics-related topics.  | [SU1] oral statement/conversation/<br>discussion<br>[SU2] presentation/project/paper/<br>report<br>[SU4] test/exam - oral or written<br>[SU8] observation of student's<br>independent or team work |
|                   | [LML3_U03] is able to analyze the causes and course of specific logistics and mobility processes and systems, and accurately analyze these processes and systems with the help of adequate economic and social methods and tools   | The student is able to identify and evaluate the causes and course of selected logistics processes and systems operating within an enterprise.      | [SU1] oral statement/conversation/<br>discussion<br>[SU2] presentation/project/paper/<br>report<br>[SU4] test/exam - oral or written<br>[SU8] observation of student's<br>independent or team work |
|                   | [LML3_U04] is able to predict the course of logistics and mobility processes and systems   | The student is able to anticipate how logistics processes and systems will unfold within an enterprise.   | [SU1] oral statement/conversation/<br>discussion<br>[SU2] presentation/project/paper/<br>report<br>[SU4] test/exam - oral or written<br>[SU8] observation of student's<br>independent or team work |
|                   | [LML3_K03] participates in the preparation of logistics and mobility projects, being able to reconcile legal, economic, ecological, political and social requirements  | student organizes the preparation of projects in the field of logistics, the projects are discussed and approved during duty hours with the teacher | [SK1] oral statement/conversation/<br>discussion<br>[SK2] presentation/project/paper/<br>report<br>[SK8] observation of student's<br>independent or team work                                      |
|                   | [LML3_W08] has knowledge of the main and logistics processes in companies, as well as the changes in these processes, knows what their causes, course, scale, consequences are and what is the impact of external stakeholders on them   | The student has knowledge of main and logistics processes taking place in enterprises and understands how these processes may change.               | [SW4] test/exam - oral or written<br>[SW1] oral statement/<br>conversation/discussion<br>[SW2] presentation/project/paper/<br>report   |

| Subject contents   | <p>1. Essence and subject matter of logistics</p> <ul style="list-style-type: none"> <li>- definition and objectives of logistics</li> <li>- servicing and integrating functions of logistics</li> <li>- team project on the logistics processes and system of a selected business entity</li> <li>- components of a logistics support system</li> <li>- team project on the components of logistics support system of a selected business entity</li> <li>- microeconomic and macroeconomic aspects of logistics</li> </ul> <p>2 Demand in logistics</p> <ul style="list-style-type: none"> <li>- Primary and secondary demand in logistics</li> <li>- significance of primary demand in the logistical support system of the enterprise</li> <li>- determinants of secondary demand</li> <li>- The essence of IT material demand planning systems</li> <li>- Zeparde Gozinto graph</li> </ul> <p>3 Optimisation of delivery volume</p> <ul style="list-style-type: none"> <li>- optimisation versus sub-optimisation</li> <li>- Essence, functions and factors of stock formation</li> <li>- Inventory control models</li> <li>- split point concept</li> </ul> <p>4 Assessment and selection of supplier or contractor</p> <ul style="list-style-type: none"> <li>- identification of potential suppliers or contractors</li> <li>- definition of basic selection criteria and parameters</li> <li>- determination of scoring rules for individual criteria and parameters</li> <li>- introduction of possible weightings for individual criteria and parameters</li> <li>- calculate a summary score for each supplier</li> <li>- make a decision on the selection of the supplier or contractor</li> </ul> <p>5 Logistic costing</p> <ul style="list-style-type: none"> <li>- global costing</li> <li>- ABC as a method for logistics process management</li> <li>- company logistics cost budgeting</li> </ul> <p>6) Team project on the application of logistics methods in a selected business entity</p> |  |  |                          |                   |                               |   |      |      |      |       |       |          |       |       |
|--|---|--|--|--------------------------|-------------------|-------------------------------|---|------|------|------|-------|-------|----------|-------|-------|
| Prerequisites and co-requisites                          | basic economic knowledge  |  |  |                          |                   |                               |   |      |      |      |       |       |          |       |       |
| Assessment methods and criteria                          | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Subject passing criteria</th> <th style="width: 30%;">Passing threshold</th> <th style="width: 30%;">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td>active participation in classes (extra points possible)</td> <td>0.0%</td> <td>0.0%</td> </tr> <tr> <td>Test</td> <td>51.0%</td> <td>70.0%</td> </tr> <tr> <td>Projects</td> <td>51.0%</td> <td>30.0%</td> </tr> </tbody> </table>  |  |  | Subject passing criteria | Passing threshold | Percentage of the final grade | active participation in classes (extra points possible) | 0.0% | 0.0% | Test | 51.0% | 70.0% | Projects | 51.0% | 30.0% |
| Subject passing criteria                                 | Passing threshold   | Percentage of the final grade  |  |                          |                   |                               |   |      |      |      |       |       |          |       |       |
| active participation in classes (extra points possible)  | 0.0%  | 0.0%   |  |                          |                   |                               |   |      |      |      |       |       |          |       |       |
| Test   | 51.0%   | 70.0%  |  |                          |                   |                               |   |      |      |      |       |       |          |       |       |
| Projects   | 51.0%   | 30.0%  |  |                          |                   |                               |   |      |      |      |       |       |          |       |       |
| Recommended reading                                      | Basic literature  | <ul style="list-style-type: none"> <li>• M. Chaberek, <i>Ład logistyczny w gospodarowaniu</i>, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2020.</li> <li>• L. Reszka, <i>Decyzje menedżerskie w logistyce</i>, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2019.</li> <li>• <i>Modelowanie procesów i systemów logistycznych, cz. I - XXII</i> pod red. M. Chaberka, A. Jezierskiego, C. Mańkowskiego i L. Reszki, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2001-2021.</li> </ul>  |  |                          |                   |                               |   |      |      |      |       |       |          |       |       |
|  | Supplementary literature  | <ul style="list-style-type: none"> <li>• G. Richards, S. Grinsted, <i>The Logistics and Supply Chain Toolkit</i>, Kogan Page, 2020</li> <li>• T. Miller, M. J. Liberatore, <i>Logistics Management: An Analytics-Based Approach</i>, Business Expert Press, 2020</li> <li>• B.S. Blanchard, <i>Logistics Engineering &amp; Management</i>, Pearson UK, 2014</li> <li>• L. Reszka, <i>Decision Making Process in the Management of Logistics Support System</i> [w:] C. Mańkowski, L. Reszka (ed.): <i>Modelowanie procesów i systemów logistycznych, cz. XXII</i>, Wydawnictwo Uniwersytetu Gdańskiego, Gdansk 2021, s. 167-176</li> </ul> |  |                          |                   |                               |   |      |      |      |       |       |          |       |       |
|  | eResources addresses  |  |  |                          |                   |                               |   |      |      |      |       |       |          |       |       |
| Example issues/ example questions/ tasks being completed |   |  |  |                          |                   |                               |   |      |      |      |       |       |          |       |       |
| Work placement   | Not applicable  |  |  |                          |                   |                               |   |      |      |      |       |       |          |       |       |

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