



## Subject card

|  |   |  |   |                                     |  |            |     |
|--|---|--|---|-------------------------------------|--|------------|-----|
| Subject name and code                                  | Business Logistics, PG_00040013   |  |   |                                     |  |            |     |
| Field of study   | Management and Production Engineering, Management and Production Engineering  |  |   |                                     |  |            |     |
| Date of commencement of studies                        | October 2020  | Academic year of realisation of subject                  |   |                                     | 2022/2023  |            |     |
| Education level  | first-cycle studies   | Subject group  |   |                                     | 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   |   |                                     | 2.0  |            |     |
| Learning profile                                       | general academic profile  | Assessment form  |   |                                     | assessment   |            |     |
| Conducting unit  | Department of Machine Design and Vehicles -> Faculty of Mechanical Engineering and Ship Technology  |  |   |                                     |  |            |     |
| Name and surname of lecturer (lecturers)               | Subject supervisor  |  | dr inż. Ryszard Woźniak                                   |                                     |  |            |     |
|  | Teachers  |  | dr inż. Wojciech Owczarzak<br>dr inż. Ryszard Woźniak     |                                     |  |            |     |
| Lesson types and methods of instruction                | Lesson type   | Lecture  | Tutorial  | Laboratory                          | Project  | Seminar    | SUM |
|  | Number of study hours   | 15.0   | 15.0  | 0.0                                 | 0.0  | 0.0        | 30  |
|  | 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   | 30   |   | 3.0                                 |  | 17.0       | 50  |
| Subject objectives                                     | Aims of logistics. Definitions. Transport liability of cargo of different sortment. Types of store. Goods flow through a store. Technoical means applicable in a store. Methods of identification of cargo units. Pareto's concept - scope of application. Application of propability theory. Basic methods of store management: ABC/XYZ/ EOQ, MRP, DRP, JIT. Directives EU and rules of Technical supervision organization.                          |  |   |                                     |  |            |     |
| Learning outcomes                                      | Course outcome  |  | Subject outcome   |                                     | Method of verification   |            |     |
|  | K6_W06  |  | Student understands ecological aspects of loads turnover. |                                     | [SW1] Assessment of factual knowledge  |            |     |
|  | K6_W05  |  | Student understands ecological aspects of loads turnover. |                                     | [SW1] Assessment of factual knowledge  |            |     |
|  | K6_U06  |  | Student understands ecological aspects of loads turnover. |                                     | [SU1] Assessment of task fulfilment  |            |     |
|  | K6_U11  |  | Student understands ecological aspects of loads turnover. |                                     | [SU1] Assessment of task fulfilment  |            |     |
|  | K6_K03  |  | Student understands ecological aspects of loads turnover. |                                     | [SK2] Assessment of progress of work   |            |     |
| Subject contents                                       | Logistics - definitions. Aims of logistics. Definitions. Transport liability of cargo of different sortment. Types of store. Goods flow through a store. Technoical means applicable in a store. Methods of identification of cargo units. Pareto's concept - scope of application. Application of propability theory. Basic methods of store management: ABC/XYZ/ EOQ, MRP, DRP, JIT. Directives EU and rules of Technical supervision organization. |  |   |                                     |  |            |     |
| Prerequisites and co-requisites                        |   |  |   |                                     |  |            |     |
| Assessment methods and criteria                        | Subject passing criteria  |  | Passing threshold   |                                     | Percentage of the final grade  |            |     |
|  |   |  | 60.0%   |                                     | 60.0%  |            |     |
|  | Homework  |  | 40.0%   |                                     | 40.0%  |            |     |
| Recommended reading                                    | Basic literature  |  | <a href="#">Kurs: ŚRODKI TRANSPORTU (pg.edu.pl)</a>       |                                     |  |            |     |
|  | Supplementary literature  |  | <a href="#">Kurs: ŚRODKI TRANSPORTU (pg.edu.pl)</a>       |                                     |  |            |     |
|  | eResources addresses  |  |   |                                     |  |            |     |
| Example issues/example questions/tasks being completed | Choise of store stradegy. Arrangement of goods displacement in a store in accordance with store stradegy. Stock management. Sekection of technical means for optimal material handling in store.  |  |   |                                     |  |            |     |
| Work placement   | Not applicable  |  |   |                                     |  |            |     |