University of Gdańsk

Subject card

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| Subject name and code | Warehousing Management , PG_00200408 | | | | | | |
| Field of study | Logistics and Mobility | | | | | | |
| Date of commencement of studies | October 2026 | | Academic year of realisation of subject | 2027/2028 | | | |
| Education level | Bachelor's studies | | Subject group | Obligatory subject group in the field of study<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 | 2 | | Language of instruction | English | | | |
| Semester of study | 4 | | ECTS credits | 4.0 | | | |
| Learning profile | academic | | Assessment form | credit | | | |
| Conducting unit | Department of Logistics -> Faculty of Economics -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | mgr Patryk Wierzbowski | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 15.0 | 0.0 | 15.0 | 0.0 | 45 |
| | 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 | 45 | | 0.0 | 55.0 | 100 | |
| Subject objectives | Familiarizing students with the principles of warehouse space management, inventory classification and handling, as well as technologies and IT systems used in warehouses. | | | | | | |

## Learning outcomes

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [LML3_W07] has knowledge of the economic and financial principles of operation and management of business entities and organizations that require logistics support or provide logistics services, as well as legal, organizational, moral and ethical norms and rules of operation of public institutions | The student knows and understands fundamental economic, financial, and managerial principles related to the functioning of business entities and organizations that require logistical support or provide logistics services. The student is also familiar with legal standards, organizational rules, as well as moral and ethical norms governing the operations of public institutions. | [SW4] test/exam - oral or written<br>[SW1] oral statement/ conversation/discussion |
| [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 in-depth knowledge of organizational change processes and is able to identify their causes and potential consequences. | [SW4] test/exam - oral or written<br>[SW1] oral statement/ conversation/discussion |
| [LML3_U04] is able to predict the course of logistics and mobility processes and systems | The student is able to identify and analyze economic and social processes and phenomena, and to formulate forecasts regarding their future development using appropriate methods. | [SU1] oral statement/conversation/ discussion<br>[SU4] test/exam - oral or written |
| [LML3_K03] participates in the preparation of logistics and mobility projects, being able to reconcile legal, economic, ecological, political and social requirements | The student is able to analyze and evaluate economic processes, taking into account complex legal, economic, environmental, political, and social conditions. The student discusses the project/doubts/tasks etc. during consultation with the lecturer. | [SK1] oral statement/conversation/ discussion<br>[SK4] test/exam - oral or written |
| [LML3_W02] has advanced knowledge of different types of entities that require logistics support or provide logistics services | The student has in-depth knowledge of different types of organizations, their structures, functions, and interrelations within the socio-economic system. | [SW4] test/exam - oral or written<br>[SW1] oral statement/ conversation/discussion |

## Subject contents

1. Fundamentals of warehousing (warehouse definition, types of warehouses, functions, warehouse economy infrastructure)
2. Warehouse location issues
3. Contemporary challenges in warehouse management
4. Inventory theory (classification, management methods)
5. IT solutions in warehouse management
6. Demand forecasting

## Prerequisites and co-requisites

Knowledge of fundamental concepts in microeconomics, macroeconomics, and logistics.

## Assessment methods and criteria

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| Participation in discussions and active engagement | 0.0% | 0.0% |
| Assessment test | 51.0% | 100.0% |

## Recommended reading

Basic literature


1. Bartholdi, J. J., & Hackman, S. T. (br.). *Warehouse & distribution science* (Version 0.96). Georgia Institute of Technology. Atlanta 2014.
2. Rossi R., Inventory Analytics. Cambridge. Open Book Publishers. UK 2021.
3. Emmett, S. (2005). Excellence in Warehouse Management: How to Minimise Costs and Maximise Value. John Wiley & Sons. London 2005.

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| | Supplementary literature | 1. Bolten, Ernst F. Managing Time and Space in the Modern Warehouse: With Ready-to-Use Forms, Checklist & Documentation. AMACOM, 1997. |
| | eResources addresses | |
| Example issues/ example questions/ tasks being completed | | |
| Work placement | Not applicable | |

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