

## Subject card

|                                             |                                                                                                                                                                                                                                                                                          |                                                          |                                                 |                                     |                                                                                                                      |            |     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Finance, PG_00174012                                                                                                                                                                                                                                                                     |                                                          |                                                 |                                     |                                                                                                                      |            |     |
| Field of study                              | Logistics and Mobility                                                                                                                                                                                                                                                                   |                                                          |                                                 |                                     |                                                                                                                      |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                                                             |                                                          | Academic year of realisation of subject         |                                     | 2025/2026                                                                                                            |            |     |
| 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                               | 1                                                                                                                                                                                                                                                                                        |                                                          | Language of instruction                         |                                     | English                                                                                                              |            |     |
| Semester of study                           | 2                                                                                                                                                                                                                                                                                        |                                                          | ECTS credits                                    |                                     | 2.0                                                                                                                  |            |     |
| Learning profile                            | academic                                                                                                                                                                                                                                                                                 |                                                          | Assessment form                                 |                                     |                                                                                                                      |            |     |
| Conducting unit                             | Department of Sustainable Market Processes -> Faculty of Economics -> Rector                                                                                                                                                                                                             |                                                          |                                                 |                                     |                                                                                                                      |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                       |                                                          | dr Joanna Adamska                               |                                     |                                                                                                                      |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                 |                                                          | dr Joanna Adamska<br><br>dr hab. Joanna Bednarz |                                     |                                                                                                                      |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                              | Lecture                                                  | Tutorial                                        | Laboratory                          | Project                                                                                                              | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                    | 0.0                                                      | 30.0                                            | 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                                                       |                                                 | 10.0                                |                                                                                                                      | 10.0       | 50  |
| Subject objectives                          | The aim of the course is to make a student able to recognize the economic processes and institutions in modern finance on a domestic, international, and global scale. The aim is also to deepen the knowledge of academic English vocabulary in finance at the advanced language level. |                                                          |                                                 |                                     |                                                                                                                      |            |     |

| Learning outcomes | Course outcome                                                                                                                                                                                                                                                                                          | Subject outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Method of verification                                                                                                      |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|                   | [LML3_U02] is able to use its theoretical knowledge and acquire data to analyze specific logistics and mobility processes and systems, and to analyze these processes and systems using methods developed in economics, finance, management science, logistics and mobility                             | The student is able to apply theoretical knowledge in finance to analyze processes occurring in financial markets. They collect data related to financial phenomena and analyze it using methods drawn from economics, finance, management sciences, logistics, and mobility studies. The student identifies connections between financial data and the functioning of logistics systems, and assesses the impact of exchange rate and interest rate fluctuations on these systems<br><br>Student discusses assignments and concerns during a consultation / open hours with the teacher. | [SU1] oral statement/conversation/discussion<br>[SU4] test/exam - oral or written<br>[SU5] implementation of a problem task |
|                   | [LML3_U01] is able to correctly interpret economic and social phenomena and apply knowledge of economics, finance, management sciences, logistics and mobility to explain economic phenomena                                                                                                            | The student is able to accurately interpret financial phenomena in the context of economic and social processes. They apply knowledge from economics, finance, logistics, mobility, and management sciences to analyze and explain the mechanisms of financial market functioning, changes in exchange rates and interest rates, and their impact on the economic environment.                                                                                                                                                                                                            | [SU1] oral statement/conversation/discussion<br>[SU4] test/exam - oral or written<br>[SU5] implementation of a problem task |
|                   | [LML3_K04] is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions, takes on the challenges of creative thinking, is resilient to failure, knows how to identify threats and assess the risk of their occurrence                                                | The student demonstrates an entrepreneurial approach to financial challenges. They are able to adapt to changing market conditions, identify threats, and assess financial risks associated with decision-making. The student shows resilience in the face of setbacks, engages in analytical and creative thinking, particularly in the context of financial management under uncertainty.                                                                                                                                                                                               | [SK1] oral statement/conversation/discussion<br>[SK5] implementation of a problem task                                      |
|                   | [LML3_W02] has advanced knowledge of different types of entities that require logistics support or provide logistics services                                                                                                                                                                           | The student has advanced knowledge of financial institutions and business entities that require logistical support and services. They understand the role of these entities within the financial system and can identify the financial conditions of their operations, including capital needs, sources of financing, and the risks associated with operating in domestic and international markets.                                                                                                                                                                                      | [SW4] test/exam - oral or written<br>[SW5] implementation of a problem task                                                 |
|                   | [LML3_K01] recognizes the importance of knowledge in the field of logistics and mobility in the process of identifying and solving economic problems, is ready to interact with other participants in the learning process, and consulting experts in case of difficulties in solving them on their own | The student recognizes the importance of financial knowledge in identifying and solving economic problems, particularly in the field of logistics and mobility. They are prepared to collaborate and exchange knowledge with other learners and are willing to seek expert opinions when facing analytical or decision-making difficulties related to finance.                                                                                                                                                                                                                            | [SK1] oral statement/conversation/discussion<br>[SK5] implementation of a problem task                                      |
|                   | [LML3_W06] knows to an advanced degree selected methods and tools, including statistical techniques, to describe and model logistics and mobility processes and systems                                                                                                                                 | The student knows and understands the impact of exchange rates and interest rates on markets. They identify the causes and effects of financial crises as well as crisis models. The student is familiar with and understands selected methods for calculating interest rates, valuing exchange rates, and analyzing cash flows.                                                                                                                                                                                                                                                          | [SW4] test/exam - oral or written<br>[SW5] implementation of a problem task                                                 |

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|                                 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p>The student possesses advanced knowledge of financial markets and understands their significance in the context of social sciences, logistics, and mobility. They define the types, structure, and functions of financial markets, as well as the objectives of institutions operating within these markets. The student demonstrates familiarity with universal financial terminology and is able to relate fundamental financial concepts to issues within the field of social sciences.</p> <p>The student clarifies doubts regarding financial concepts during a consultation with the teacher.</p> | [SW4] test/exam - oral or written<br>[SW1] oral statement/conversation/discussion<br>[SW5] implementation of a problem task |
| Subject contents                | <ol style="list-style-type: none"> <li>1. Overview of the financial markets. Role of financial markets in the economy. Types of financial markets.</li> <li>2. Time value of money. Present value and future value. Time value of money applications. Definition of risk and return.</li> <li>3. Interest rates. Types of interest rates. Importance of interest rates in finance and the economy. Factors affecting interest rates. Monetary policy.</li> <li>4. Deposit account, interest, simple interest, and compound interest calculation, fixed and floating rates, other depositary products.</li> <li>5. Credit markets. Definitions, functions, participants, and importance of credit markets in finance and the economy. Types of credits and loans. Loan structure and features.</li> <li>6. Money markets. Definition and characteristics of money markets. Money market securities. Yield calculations. Exercises.</li> <li>7. Capital market. Introduction to capital markets. Bond markets. Introduction to bond markets. Types of bonds. Bond pricing. Exercises.</li> <li>8. Stock market. Types of stocks. Stock exchange. Dividend and dividend policy. Stock market indices.</li> <li>9. International capital market. Foreign bonds, Eurobonds, depositary receipts. Corporate governance. Case studies.</li> <li>10. Equity crowdfunding. Introduction to crowdfunding. Types of crowdfunding. Crowdlending.</li> <li>11. Introduction to a valuation of stocks and bonds. Valuation of stocks. Dividend discount model. Valuation of bonds</li> <li>12. Mutual Funds and ETFs. Overview of mutual funds and ETFs. Types of funds. Advantages and disadvantages.</li> <li>13. Corporate finance management. Capital structure. Purpose of corporate finance. Functions of the CFO and other employees. Cash flow analysis. The company's ability to pay.</li> <li>14. Corporate finance management practical exercise on the example of a start-up.</li> <li>15. Personal finance. Introduction to personal finance. Savings and investing. Case study.</li> </ol> <p>During classes, students work on projects and homework assignments, which they discuss individually during open hours/consultations.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                             |
| Prerequisites and co-requisites | Basic knowledge of macroeconomic aspects is useful for a better understanding of financial market relations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                             |
| Assessment methods and criteria | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Passing threshold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Percentage of the final grade                                                                                               |
|                                 | test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 60.0%                                                                                                                       |
|                                 | active engagement in classes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20.0%                                                                                                                       |
|                                 | homework assignments and quizzes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20.0%                                                                                                                       |
| Recommended reading             | Basic literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>F. S. Mishkin, The Economics of Money, Banking and Financial Markets, Pearson, any edition (available online).</p> <p>F. S. Mishkin, S. G. Eakins, Financial Markets and Institutions, Pearson, any edition (available online).</p> <p>J. Madura, Financial Institutions and Markets, South Western Cengage Learning, 10th Edition</p> <p>A.2. self-study literature</p> <p>F. S. Mishkin, The Economics of Money, Banking and Financial Markets, Pearson, any edition (available online).</p>                                                                                                          |                                                                                                                             |

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|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                | Supplementary literature                                                                                                       | <p>D. Eiteman, A. Stonehill, M. Moffett, Multinational Business Finance, International Edition 11th, Pearson Education, 2006.</p> <p>P. Howells, K. Bain, Financial Markets and Institutions, Prentice Hall, 2007.</p> <p>F. C. Mishkin, The Economics of Money, Banking and Financial Markets, Pearson.</p> <p>J. Bednarz, Acquisition of Capital by Enterprises Composing Transnational Corporations, [w:] Meeting Global Challenges, red. K. Żołądkiewicz, T. Michałowski, Working Papers Institute of International Business, nr 25, University of Gdansk, Sopot 2008.</p> <p>I. Sobol, Polish Market of Financial Derivatives, [w:] Journal of Emerging and Transition Economies, red. Y. Arbak, I. Sobol, Dokuz Eylul University and University of Gdansk, 2008.</p> |
|                                                                | eResources addresses                                                                                                           | Adresy na platformie eNauczanie:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Example issues/<br>example questions/<br>tasks being completed | <p>Stock Valuation, Key Indicators</p> <p>Time Value of Money Issue</p> <p>Types of Government Bonds in Selected Countries</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Work placement                                                 | Not applicable                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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