University of Gdańsk

Subject card

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| Subject name and code | Finance, PG_00200376 | | |
| Field of study | Logistics and Mobility | | |
| Date of commencement of studies | October 2026 | Academic year of realisation of subject | 2026/2027 |
| 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 | 6.0 |
| Learning profile | academic | Assessment form | exam |
| Conducting unit | Division of International Financial Markets -> Department of International Business -> Faculty of Economics -> Rector | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr Magdalena Markiewicz | |
| | Teachers | dr Joanna Adamska<br>dr Magdalena Markiewicz<br>dr hab. Iwona Sobol | |

| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|---|
| | Number of study hours | 30.0 | 30.0 | 0.0 | 30.0 | 0.0 | 90 |
| | 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 | 90 | 0.0 | 60.0 | 150 |

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| Subject objectives | The aim of the course is to develop the ability to recognize economic processes and institutions in contemporary finance on a national, international and global scale. An additional aim is also to deepen the knowledge of academic and business vocabulary in the field of finance in English. |

| Learning outcomes | Course outcome | Subject outcome | Method of verification |
|---|---|---|---|
| | [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 analyses the conditions and the consequences of financial processes, and explains the data, and economic indicators concerning the development of financial markets. The students can realise a project regarding the financial markets. The student prepares a project in teams of 4-8 people in the field of financial markets, which is discussed and approved during consultations with the lecturer and then presented in class. | [SU2] presentation/project/paper/ report<br>[SU4] test/exam - oral or written |
| | [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 responsibility for his/her own works, acts entrepreneurially and actively participates in classes. Takes the initiative in carrying out assigned tasks, especially in teamwork. He/she can indicate important questions and resolve dilemmas that arise in the professional environment. Identifies challenges related to work in financial institutions, both at home and abroad. In the case of complex or unclear issues, he/she is ready to consult with the instructor to deepen understanding and improve the quality of his/her work. | [SK4] test/exam - oral or written |
| | [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 knows and understands models of financial systems and the foundations of their development in the national and international context. The student correctly interprets the objectives and types of financial supervision. The student has knowledge of the functioning of international financial markets and banking systems. The student understands investor behavior and changes in trends in financial markets, such as currency and money markets, capital markets, credit markets and derivatives markets. The student knows the various sources of financing for enterprises. | [SW4] test/exam - oral or written |
| | [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 limitations of knowledge and skills, and is aware of the need to expand and supplement knowledge of finance and banking throughout their professional life. Is aware of the importance of identifying and resolving theoretical and practical dilemmas that arise in the workplace, using consultations with the lecturer during consultation hours, and searching for solutions and sources of knowledge independently and in a team. | [SK4] test/exam - oral or written |

| 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 identifies sources of risk,<br>the nature and consequences of changes<br>in interest rates and exchange rates on global markets. The student can<br>perform tasks and conduct a critical analysis and synthesis of collected information and data on financial instruments. The student can use available information on financial markets within the realised projects. The student prepares a project in teams of 4-8 people in the field of financial markets, which is discussed and approved during consultations with the lecturer and then presented in class. | [SU2] presentation/project/paper/ report<br>[SU4] test/exam - oral or written |
| [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. The student identifies the causes and effects of financial crises and crisis models. The student knows and understands selected methods of calculating interest rates, pricing exchange rates and analysing cash flows. | [SW4] 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 defines the types, structure and functions of financial markets and the goals of institutions operating on financial markets. He/she has basic and concise knowledge of the theory, fundamentals of financial markets, terminology and various financial instruments. | [SW4] test/exam - oral or written |

**Subject contents**

Lectures

1. Introduction to finance. A financial system and a currency system - the definitions.The models of financial systems: a bank-oriented and a securities market-oriented model. Financial institutions, instruments, and financial markets - the main range, criteria, and characteristics.
2. Introduction to the foreign exchange market - the definitions and functions. Size, organization, and structure of the FX market.
3. Basic features of the foreign exchange rate (base and quote currency, direct and indirect quotes, appreciation and depreciation of currency). Euro adoption by the EU countries, advantages and disadvantages of a common currency.
4. The basics of the capital market - functions and features of the capital market. Factors determining demand and supply in the capital market.
5. Main instruments of capital market: shares and bonds.
6. A banking system - the definitions, transactions, and functions. The structure of a banking system. Types of banks, the role of banks, and the banking sector in the economy. Technology transformation in the banking system - the advantages and disadvantages. Financialization of the services.
7. Definition and principles of Islamic banking. Instruments of Islamic banking
8. Elements of investment banking: definition, institutions, operating at investment banking market. The systematic and the range of operations in investment banking. Hedge funds. Public offering and private placement.
9. Financing start-ups and restructuring in the companies. Venture capital funds and private equity funds.
10. The role of anti-money laundering money regulations (AML). KYC/AML processes new requirements for the companies and for the financial institutions.
11. The foundations of financial supervisory. Consolidated and integrated supervisory. Supervisory over the specific financial markets. Financial supervisory in the European Union.
12. Rating types, characteristics, and deterioration. The role of ratings in the financial markets.
13. Financial market cycles and crises. The impact of the crises on different financial markets and on the real economy.
14. Introduction to derivatives - definitions, functions, types.
15. World derivatives market. Examples of derivative instruments.

Classes

1. Overview of the financial markets. Role of financial markets in the economy. Types of financial markets.
2. Time value of money. Present value and future value. Time value of money applications. Definition of risk and return.
3. Interest rates. Types of interest rates. Importance of interest rates in finance and the economy. Factors affecting interest rates. Monetary policy.
4. Deposit account, interest, simple interest, and compound interest calculation, fixed and floating rates, other depositary products.
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.
6. Money markets. Definition and characteristics of money markets. Money market securities. Yield calculations. Exercises.
7. Capital market. Introduction to capital markets. Bond markets. Introduction to bond markets. Types of bonds. Bond pricing. Exercises.
8. Stock market. Types of stocks. Stock exchange. Dividend and dividend policy. Stock market indices.
9. Equity crowdfunding. Introduction to crowdfunding. Types of crowdfunding. Crowdlending.
10. Corporate finance management. Capital structure. Purpose of corporate finance. Cash flow analysis. The company's ability to pay.

During classes, students work on group projects and assignments.

**Prerequisites and co-requisites**

A basic knowledge of macroeconomic aspects is useful for a better understanding of the relationships in financial markets.

**Assessment methods and criteria**

| Subject passing criteria | Passing threshold | Percentage of the final grade |
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| project tasks concerning financial markets functioning | 51.0% | 30.0% |
| assessment test and group work | 51.0% | 30.0% |
| exam | 51.0% | 40.0% |

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| Recommended reading | Basic literature | J. Adamska-Mieruszewska, U. Mrzygłód, Foreign listing pricing effects. The case of emerging economies,. Bank i Kredyt, 2020 (4), 367-381.<br><br>M. Markiewicz , Bank size as a source of competetive advantage of Chinese global systematically important banks, Gdańskie Studia Azji Wschodniej, 2020, nr 18.<br><br>F. S. Mishkin, S. G. Eakins, Financial Markets and Institutions, Pearson, any edition (available online).<br><br>J. Madura, Financial Institutions and Markets, South Western Cengage Learning, 10th Edition.<br><br>I. Sobol, Ł. Dopierała, P. Wysiński, Is the profitability of Islamic and conventional banks driven by the same factors? - A study of banking in the Middle East, PlosOne, 2023, 18(8). |
| | Supplementary literature | D. Eiteman, A. Stonehill, M. Moffett, Multinational Business Finance, International Edition 11th, Pearson Education, 2006.<br><br>P. Howells, K. Bain, Financial Markets and Institutions, Prentice Hall, 2007.<br><br>F. C. Mishkin, The Economics of Money, Banking and Financial Markets, Pearson.<br><br>I. Sobol, Ł. Dopierała, Deposit funding of Islamic and conventional banks in Malaysia, Gdańskie Studia Azji Wschodniej, 2019, nr 16. |
| | eResources addresses | |
| Example issues/ example questions/ tasks being completed | Types and Characteristics of Financial Systems.<br><br>Foreign Bonds and Eurobonds.<br>Risk at the Capital Market.<br>Differences in the Sources of Financing. | |
| Work placement | Not applicable | |

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