



Syllabus Course Program



Financial markets

Specialty

072 – Finance, banking, insurance and stock market

Educational program

Finance and banking,

Level of education

Bachelor

Semester

5

Institute

Institute of Economics, management and international business

Department

Accounting and finance (205)

Course type

Special (professional), Mandatory

Language of instruction

English,

Lecturers and course developers

**First name and surname**

olha.nasibova@khpi.edu.ua

D.Sc. in Economics, Professor of Accounting and Finance Department

Author and co-author of more than 85 scientific and methodological publications.

Courses: " Insurance and insurance business", " Financial markets", " Bank management", "Financial services industry", " Financial risk management".

[More about the lecturer on the department's website](#)

**First name and surname**

maryna.tkachenko@khpi.edu.ua

PhD in Economic Sciences, Associate Professor, senior lecturer of Accounting and Finance Department

Over 13 years of work experience. Author of more than 50 scientific and educational-methodical works. Leading lecturer in the following disciplines: "Enterprise tax and fee budgeting", "Management and tax accounting", "Financial Services Market", "Analytical Valuation Methods: Assets Market Value"

[More about the lecturer on the department's website](#)

General information

Summary

The "Financial markets" course develops knowledge and skills necessary for effective activity in the financial market. In the course of training, students will be able to master the modern methodical apparatus for conducting operations on the financial market, analyze and forecast the risks of capital investments, and conduct financial calculations on securities.

Course objectives and goals

Mastering theoretical knowledge and practical skills in the field of development and functioning of the financial market as a subsystem of financial relations.

Format of classes

Lectures, practical work, independent work, consultations. The final control is an exam.

Competencies

GC01. Ability to abstract thinking, analysis and synthesis.

GC02. Ability to apply knowledge in practical situations.

GC04. Ability to communicate in a foreign language.

GC05. Skills in using information and communication technologies.

GC06. Ability to conduct research at an appropriate level.

GC07. Ability to learn and master modern knowledge.

GC08. Ability to search, process and analyze information from various sources.

GC09. The ability to be critical and self-critical.

GC10. Ability to work in a team.

GC11. Ability to communicate with representatives of other professions of groups of different levels (with experts from other fields of knowledge/types of economic activity).

GC12 Ability to work autonomously.

GC14. The ability to preserve and multiply moral, cultural, scientific values and achievements of society based on an understanding of the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technologies, to use various types and forms of motor activity for active recreation and leading a healthy lifestyle.

SC01. The ability to investigate trends in economic development using the tools of macro- and microeconomic analysis, to evaluate modern economic phenomena.

SC02. Understanding the peculiarities of the functioning of modern global and national financial systems and their structure.

SK03. Ability to diagnose the state of financial systems (state finances, including budget and tax systems, finances of economic entities, household finances, financial markets, banking system and insurance).

SC04. Ability to apply economic and mathematical methods and models to solve financial problems.

SC05. Ability to apply knowledge of legislation in the field of monetary, fiscal and financial market regulation.

SC06. Ability to use modern information and software for obtaining and processing data in the field of finance, banking and insurance.

SC07. Ability to compile and analyze financial statements.

SC09. Ability to communicate effectively.

SC10. Ability to determine, justify and take responsibility for professional decisions.

SC11. The ability to maintain an appropriate level of knowledge and constantly improve one's professional training.

Learning outcomes

PL01. Know and understand economic categories, laws, causal and functional relationships that exist between processes and phenomena at different levels of economic systems.

PL02. Know and understand the theoretical foundations and principles of financial science, the peculiarities of the functioning of financial systems.

PL03. Determine the peculiarities of the functioning of modern world and national financial systems and their structure.

PL04. Know the mechanism of functioning of state finances, including budget and tax systems, finances of business entities, household finances, financial markets, banking system and insurance.

PL05. Possess a methodical toolkit for diagnosing the state of financial systems (state finances, including budget and tax systems, finances of business entities, household finances, financial markets, banking system and insurance).

PL06. Apply appropriate economic and mathematical methods and models for solving financial problems.

PL07. Understand the principles, methods and tools of state and market regulation of activities in the field of finance, banking and insurance.

PL12. Use professional argumentation to convey information, ideas, problems and ways to solve them to specialists and non-specialists in the financial sphere of activity.

PL13. To have general scientific and special methods of researching financial processes.

PL14. Be able to think abstractly, apply analysis and synthesis to identify the key characteristics of financial systems, as well as the peculiarities of the behavior of their subjects.

PL16. Apply the acquired theoretical knowledge to solve practical problems and meaningfully interpret the obtained results.

PL19. Demonstrate the skills of independent work, flexible thinking, openness to new knowledge.

PL20. Perform functional duties in the group, offer sound financial solutions.

Student workload

The total volume of the course is 90 hours (3 ECTS credits): lectures - 16 hours, practical classes - 16 hours, self-study - 58 hours.

Course prerequisites

To successfully complete the course, you must have knowledge and practical skills in the following disciplines: "Finance", "Money and credit", "Insurance and insurance business".

Features of the course, teaching and learning methods, and technologies

Lectures are conducted remotely using interactive teaching methods using multimedia technologies. The practical classes use a project approach to learning and focus on the application of information technologies. Study materials are available to students through OneNote Class Notebook.

Program of the course

Topics of the lectures

Topic 1. Financial market: essence, functions and role in the economy

The essence of the financial market, the necessity and prerequisites for its creation. Principles, functions and role of the financial market. Structure of the financial market. Classification of financial markets. Subjects and objects of the financial market. Financial assets and financial instruments. Models and trends of financial market development.

Topic 2. Regulation of the financial market

Forms and models of financial market regulation. Principles of state regulation. Regulation and supervision of the activities of financial institutions in Ukraine. Self-regulatory organizations in the financial market. Regulation of the stock market.

Topic 3. Financial intermediaries

The nature and purpose of financial intermediaries. Types of financial intermediaries and their characteristics. Banks as the main financial intermediaries. Functions and operations of banks. The point is that

peculiarities of the activity of non-bank financial intermediaries. Credit unions. Pawn shops. Asset management companies. Securities traders. Joint investment institutions. Insurance companies. Non-state pension funds. Financial companies. Leasing companies. Factoring companies. Trust societies.

Topic 4. Interest rates, risk and the price of capital

The cost of capital. Types and structure of interest rates. Theories of the time structure of interest rates. Development of risk theories. Model of valuation of capital assets (MOKA). Model of arbitrage pricing. Theory of financial market efficiency.

Topic 5. Money market and capital market

The essence and peculiarities of the functioning of the money market. Money market functions. Money market entities. Money market instruments. Supply and demand in the money market. Setting prices on the money market. Characteristics of accounting market tools. Capital market and its structure. The credit market as a component of the capital market. Basic forms of credit relations. Features of the functioning of the interbank market. Interbank deposits: concept, attraction mechanism. The essence and types of interbank loans, features of their provision.

Topic 6. Foreign exchange market

Concept of currency, exchange rate and convertibility of currencies. Foreign exchange market: essence and basics of functioning. Currency systems, their purpose. Currency operations, their types and characteristics. Current currency transactions. Transactions on the foreign exchange market related to the movement of capital. Types of courses on currency market, their characteristics (spot rate, forward rate, cross rate). Types of transactions on the foreign exchange market, their characteristics. Currency regulation and exchange rate policy of the Central Bank.

Topic 7. Stock market and securities market

The essence of the stock market and its participants. Professional activity on the stock market. Classification of stock markets. The place of the securities market in the financial market. Securities market functions. The value of the securities market for the process of capital accumulation. The structure of the securities market. Types of operations with securities. Classification of securities. Fundamental properties of securities. Functions and role of securities in the economy. Stock exchange and stock exchange transactions. Derivative securities market.

Topic 8. International financial market

The world financial market, its structure and subjects. World financial flows and world financial centers. Financial instruments of the international financial market. International financial organizations.

Topics of the workshops

Topic 1. Financial market: essence, functions and role in the economy

Topic 2. Regulation of the financial market

Topic 3. Financial intermediaries

Topic 4. Interest rates, risk and the price of capital

Topic 5. Money market and capital market

Topic 6. Foreign exchange market

Topic 7. Stock market and securities market

Topic 8. International financial market

Topics of the laboratory classes

Laboratory work is not provided within the discipline.

Self-study

The course provides for the implementation of an individual calculation task. The result of calculations and justifications and conclusions are drawn up in a written report.

Students are also recommended additional materials (videos, articles) for independent study and analysis.

Course materials and recommended reading

1. Hanzhuk S.M. Synopsis of lectures on the discipline "Financial market". Kamianske: DDTU, 2022. 64 p.
2. Financial market: Study guide / N. V. Trusova, S. A. Nesterenko, I. E. Yakushev. Melitopol: MMD Publishing House, 2021. 236 p.
3. Ramskyi A.Yu., Zhukova Yu.M., Obushnyi S.M. Securities market in questions and answers: study guide. K.: Kyiv. University named after B. Grinchenko, 2021. 228 p.

Assessment and grading

Criteria for assessment of student performance, and the final score structure

100% of the final grade consists of assessment results in the form of: final test (20%); Individual work (20%) and performance of the student's independent work (60%). 60% of independent work consists of:

- 40% of current assessment (including preparation of PowerPoint presentations, reports on topics and work in practical classes);
- 20% of the current semester control (tests).

A rating system for obtaining an estimate is provided. Exam: written task (20 theory test tasks + problem solving

Grading scale

Total points	National	ECTS
90-100	Excellent	A
82-89	Good	B
75-81	Good	C
64-74	Satisfactory	D
60-63	Satisfactory	E
35-59	Unsatisfactory (requires additional learning)	FX
1-34	Unsatisfactory (requires repetition of the course)	F

Norms of academic integrity and course policy

The student must adhere to the Code of Ethics of Academic Relations and Integrity of NTU "KhPI": to demonstrate discipline, good manners, kindness, honesty, and responsibility. Conflict situations should be openly discussed in academic groups with a lecturer, and if it is impossible to resolve the conflict, they should be brought to the attention of the Institute's management.

Regulatory and legal documents related to the implementation of the principles of academic integrity at NTU "KhPI" are available on the website: <http://blogs.kpi.kharkov.ua/v2/nv/akademichna-dobrochesnist/>

Approval

Approved by

Date, signature

Head of the department
Oleksandr MANOYLENKO

Date, signature

Guarantor of the educational program
Maryna SHEVCHENKO