



## Syllabus Course Program



# MONEY AND CREDIT

### Specialty

072 – Finance, banking, insurance and stock market

### Institute

Institute of Management Economics and International Business

### Educational program

Finance and banking

### Chair

Accounting and finance (205)

### Level of education

Bachelor's degree

### Type of discipline

Special (professional), Mandatory

### Semester

4

### Language of teaching

English

## Lecturers and course developer



### Volodymyr Akymovych Mishchenko

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Doctor of Economic Sciences, Professor, Professor of the Department of Accounting and Finance of NTU "KhPI"

Author and co-author of more than 300 scientific and methodical publications. Courses: "Controlling", "Financial controlling", "Theory of international finance", "Main trends and concepts of financial capital management", "Investment and innovative activity at the enterprise", "Financial Management", "Corporate Finance Management".

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



### Tetiana Kochetova

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Associate Professor of the Department of Accounting and Finance (NTU "KhPI")

Author and co-author of more than 140 scientific and educational publications. Leading lecturer on the courses: "Finance, money and credit", "Enterprise finance", "Fundamentals of financial management".

[Learn more about the teacher on the department's website](#)

## General information

### Summary

The course is aimed at acquiring theoretical and methodological knowledge of the basic provisions of the theory of money and credit, in particular the essence and functions of money, the theory of money, money turnover and money supply, money market, money systems, inflation, monetary reforms, foreign exchange market and currency systems. Provides for mastering the skills of researching the theoretical foundations and practical

**implementation of the activities of commercial banks, non-bank financial and credit institutions and the central bank, and gives an idea of international monetary and financial cooperation of countries**

### **Course objectives and goals**

Study of theoretical and methodological foundations and organizational and legal mechanism of functioning of money, credit and banks in a market economy.

### **Format of classes**

[Lectures, practical classes, consultations. Calculated work. The final control is an exam.]

### **Competences**

GC01. Ability to think abstractly, analyze and synthesize.

GC02. Ability to apply knowledge in practical situations.

GC04. Ability to communicate in a foreign language.

GC05. Skills in the use of information and communication technologies.

GC06. Ability to conduct research at the appropriate level.

GC07. Ability to learn and master modern knowledge.

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

GC09. Ability to be critical and self-critical.

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.

GC13. Ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.

GC14. The ability to preserve and enhance 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 technology, to use various types and forms of physical activity for active recreation and healthy lifestyle.

SC01. Ability to study trends in economic development using tools of macro- and microeconomic analysis, to assess current economic phenomena.

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

SC03. Ability to diagnose the state of financial systems (public finance, including budget and tax systems, finance of business entities, household finance, 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 apply modern information and software for obtaining and processing data in the field of finance, banking and insurance.

SC07. Ability to prepare and analyze financial statements

SC09. Ability to conduct effective communications.

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

SC11. Ability to maintain an appropriate level of knowledge and constantly improve their professional training.

### **Learning outcomes**

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

PL02. To know and understand the theoretical foundations and principles of financial science, features of the functioning of financial systems.

PL03. To determine the features of the functioning of modern world and national financial systems and their structure.

PL06. Apply appropriate economic and mathematical methods and models to solve financial problems.

PL12. To use professional argumentation to convey information, ideas, problems and ways to solve them to specialists and non-specialists in the financial sector.

PL 13. Possess general scientific and special methods of researching financial processes.

PL16. Apply the acquired theoretical knowledge to solve practical problems and interpret the results in a meaningful way.

PL21. Understand the requirements for activities in the specialty due to the need to ensure sustainable development of Ukraine, its strengthening as a democratic, social, legal state.

### **Student workload**

The total volume of the discipline is 120 hours (4 ECTS credits): lectures - 32 hours, practical classes - 16 hours, independent work - 72 hours.

### **Course prerequisite**

To successfully complete the course, you must have knowledge and practical skills in the following disciplines: "Finance", "Economic Statistics", "Information Systems in the Financial Sphere"

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

Lectures are conducted interactively with the use of multimedia technologies. In practical classes classes use the case method, focusing on the application of information technology in the banking sector

### **Program of educational discipline**

#### **Topics of lectures**

##### **Topic 1: The essence and functions of money**

Origin, necessity and essence of money. Forms of money and their evolution. The main functions of money. Types of money and their characteristics. The role of money in the system of social reproduction.

##### **Topic 2. Money circulation and cash flows**

Characteristics and structure of money turnover. Forms of money turnover. Forms of cashless payments. Money supply and its indicators. The speed of money circulation. The law of money circulation.

##### **Topic 3. Money market**

Essence and features of the money market. Institutional model and structure of the money market. The mechanism of functioning of the money market. Mechanism of formation of money supply. Monetary multiplier. The essence, goals and types of monetary policy.

Methods and instruments of monetary regulation.

##### **Topic 4. Monetary systems**

The essence and main elements of the monetary system. The main types of monetary systems and their evolution.

Creation and development of the monetary system of Ukraine.

##### **Topic 5. Inflation and monetary reforms**

General characteristics of inflation: socio-economic essence and patterns. Types of inflation and theoretical concepts of inflation. Stages of inflationary processes in Ukraine. Measurement of inflation. Socio-economic consequences of inflation. State regulation of inflation. Monetary reforms. Monetary reform in Ukraine.

##### **Topic 6: Foreign exchange market and currency systems**

The concept of currency and currency convertibility. Foreign exchange market and its structure. Types of operations in the foreign exchange market. Exchange rate: essence and formation. Currency systems and currency policy. Balance of payments and foreign exchange reserves in the mechanism of currency regulation. World and international monetary systems.

##### **Topic 7. Theories of money**

The concept of currency and currency convertibility. Foreign exchange market and its structure. Types of operations in the foreign exchange market. Exchange rate: essence and formation. Currency systems and currency policy. Balance of payments and foreign exchange reserves in the mechanism of currency regulation. World and international monetary systems.

##### **Topic 8. Credit in a market economy**

The need and essence of credit. Subjects and objects of credit. Theories of credit. Functions and role of credit. Stages of lending. Principles of credit. Types and forms of credit. Classification of credit. Characteristics of the main types of credit.

### **Theme 9: Financial intermediation of the money market**

The essence, purpose and types of financial intermediation. The concept and structure of the credit system of Ukraine. The banking system as the main component of the credit system. Non-bank financial and credit institutions. Theoretical principles of commercial banks.

### **Topic 10. Theoretical foundations of commercial banks**

Origin, concept, purpose and classification of commercial banks. General characteristics of banking operations. Income and expenses of commercial banks. Financial stability of commercial banks. Key performance indicators of commercial banks.

### **Topic 11. Central banks in the system of monetary and banking management**

Origin, purpose and basics of the organization of the central bank. Characterization of the tasks and content of the functions of the central bank. National Bank of Ukraine, peculiarities of its formation, organizational structure. Tasks and functions of the National Bank of Ukraine as the central bank of the country. Operations of the National Bank of Ukraine.

### **Topic 12: International financial and credit institutions and their cooperation with Ukraine**

The system of international financial and credit institutions. The International Monetary Fund. The World Bank and its components. Regional financial and credit institutions

## **Topics of practical classes**

### Topic 1: The essence and functions of money

Analysis of types of money and their characteristics. The value of money and time.

### Topic 2. Money circulation and cash flows

Analysis of the structure of the money supply and its indicators. Determination of the speed of money circulation.

### Topic 3. Money market

Analysis of the mechanism of money supply formation. Monetary multiplier.

### Topic 4. Monetary systems

Analysis of the main types of monetary systems. Creation and development of the monetary system of Ukraine.

### Topic 5. Inflation and monetary reforms

Measurement of inflation. Determination of the consumer price index; producer price index, GDP deflator.

### Topic 6: Foreign exchange market and currency systems

Analysis of operations in the foreign exchange market. Determination of the exchange rate, cross rate.

Analysis of the balance of payments and foreign exchange reserves

### Topic 7. Theories of money

Determination of the value of money.

### Topic 8. Credit in a market economy

Characterization of the main types of credit. Loan repayment schemes

### Topic 9. Financial intermediation of the money market

Analysis of the banking system and non-bank financial institutions.

### Topic 10. Theoretical principles of commercial banks

Analysis of banking operations. Determination of income and expenses of commercial banks.

### Topic 11. Central banks in the system of monetary and banking management

Analysis of active and passive operations of the NBU.

### Topic 12. International financial and credit institutions and their cooperation with Ukraine

Analysis of the activities of international financial and credit institutions

Topics of laboratory works

[Laboratory works within the discipline are not provided . ]

### Self-study

The course involves completing a calculation paper on the theoretical analysis and calculation of cash flows of business entities at the micro and macro levels. The results of the theoretical and practical research are formalized in a written report, defended and evaluated according to the generally accepted system of student assessment. Students are provided with additional sources of information for independent study.

### Course materials and recommended reading

Basic literature:

- 1.Vovchak O.D. Money and Credit: a textbook / O.D. Vovchak, I.E. Buchko, Z.R. Kostak - K.: Center for Educational Literature, 2019. 424 p.
2. Volkova V. V., Volkova N. I. Money and Credit: a textbook. Vinnytsia: Vasy! Stus DonNU, 2021. 300 c.
3. Money and credit. Methodical instructions for performing a calculation task for students of the first (bachelor's) level of higher education, specialty 072 "Finance, banking and insurance" / Compiled by T.V. Pyatak, I.L. Sitak. Kharkiv: NTU "KHPI", 2021. 30 p
4. Money and Credit. Methodical instructions for practical classes and independent work of students of the first (bachelor's) level of higher education of specialty 072 "Finance, banking and insurance" of all forms of education / Compiled by T.V. Pyatak, I.L. Sitak. Kharkiv: NTU "KHPI", 2021. 88 p.
5. Ivanchuk NV Money and credit: a textbook. Ostroh: Publishing House of the National University of Ostroh Academy, 2021. 332 p.
6. Kovalenko D. Money and Credit: Theory and Practice: a textbook / D. Kovalenko - 3rd edition. - K. : Center for Educational Literature, 2019. 352 p.
8. Shchetynin A.I. Money and credit: a textbook / Shchetynin A.I. - Dnipro: University of Customs and Finance, 2019. 163 p. Series "Business. Economics. Finance" series.

#### Additional literature:

1. Money and credit: a textbook for training higher education students in the specialty 072 "Finance, banking and insurance". Ч. 1. Money / Shevchuk I.L., Staverska T.O., Zhilyakova O.V. and others. Kh.: Publisher Ivanchenko I.S., 2018. - 271 p.
2. Money and credit: a textbook for the training of higher education students in the specialty 072 Finance, banking and insurance. Ч. 2. Credit / I.L. Shevchuk, T.O. Staverska, O.V. Zhilyakova, O.P. Bliznyuk. Kharkiv: Publisher Ivanchenko IS, 2019. 186 p.
3. On Banks and Banking Activities: Law of Ukraine of 01.01.2024 No. 2121-III.  
<https://zakon.rada.gov.ua/laws/show/2121-14#Text>.
4. On the National Bank of Ukraine: Law of Ukraine of January 01, 2024 No. 679-XIV.  
<https://zakon.rada.gov.ua/laws/show/679-14#Text>
5. Svitlychna V. Money and credit: a textbook. Kharkiv: KhNUMH named after A.N. Beketov, 2020. 191 p.

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

100% of the final grade consists of assessment results in the form of performance:

- current test and practical tasks - 40%;
- calculation task - 30%;
- Presentation on the topic of theoretical issue of the calculation work - 10%;
- final control work - 20%.

The exam is conducted online and includes:

- 60 test tasks;
- a practical task.

#### 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  
Marina SHEVCHENKO