



## Syllabus Course Program



# Financial security and financial risks

### Specialty

072 -Finance, Banking, Insurance, and Stock Market

### Educational program

Finance and Banking

### Level of education

Bachelor's degree I

### Semester

7

### Institute

Institute of Education and Science in Economics, Management and International Business

### Department

Accounting and finance (205)

### Course type

Professional training

### Language of instruction

English

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## Lecturers and course developers



Iryna Anatoliivna Yurieva

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PhD in Economics, Associate Professor, Associate Professor of the Department of Accounting and Finance

Author and co-author of more than 287 scientific and methodological publications. Courses: "Social Responsibility", "Financial Security and Financial Risks", "Tax Planning and Tax Risks", "Information and Communication Support for Enterprise Management", "Business Performance Analysis and Business Models", "Taxation in Sectors of Economy", "Organisation and Methodology of Tax Audits".

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

## General information

### Summary

The course "Financial Security and Financial Risks" is a discipline aimed at mastering the theoretical and methodological foundations of the study of the organization of tax audits. Given the need to meet the financial needs of the state, it should be based on the principles of forming the most convenient and easy conditions for business taxation, including by overcoming the uneven distribution of the tax burden in the economy, streamlining the system of planning, organizing and implementing tax audits, using modern analytical tools.

### Course objectives and goals

The purpose of studying the discipline "Financial Security and Financial Risks" is to form a system of knowledge on the identification of financial risks and ensuring the financial security of organizations as a component of economic and national security, as well as those of its functional elements that directly affect the level of development of the financial and economic system of the state in the context of global transformations.

- clarifying the conceptual foundations of the theory of economic security; - studying the theoretical, organizational, legal and practical foundations of financial security and financial risks;

- Identification of cause and effect relationships, sources and mechanisms of threats to financial security;
- tracking and preventing existing and potential threats and risks to financial security;
- disclosure of the methodology and mechanism for calculating the main indicators that ensure monitoring of the current state of financial security;
- consideration of the methodology for assessing the financial security of the state with the definition of an integral indicator formed on the basis of relevant criteria and indicators;
- determining the directions of minimizing threats to financial security, taking into account the strategic priorities of the state's socio-economic development..

### **Format of classes**

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

### **Competencies**

SC 12. The ability to apply theoretical knowledge and practical skills in conducting credit and settlement and currency operations on the world market when managing commercial banks, ensuring their financial security based on risk assessment and monitoring activities during the implementation of business projects.;

### **Learning outcomes**

LO24. To have an analytical apparatus for managing the functioning and development of a commercial bank when carrying out credit and settlement and currency operations, ensuring its financial security based on risk assessment and constant monitoring and analysis of the implementation of business projects.

### **Student workload**

The total volume of the course is 150 hours (5 ECTS credits): lectures - 32 hours, practical classes - 32 hours, self-study - 86 hours.

### **Course prerequisites**

To successfully complete the course, you must have knowledge and practical skills in the following disciplines: "Financial analysis", "Financial controlling", "Investment", "Financial planning and budgeting".

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

Lectures are delivered interactively with the use of multimedia technologies. Practical classes use a project-based learning approach, game-based methods, and focus on the use of information technology in the study of the Financial security and financial risks. Training materials are available to students using Office 365 tools

## **Program of the course**

### **Topics of the lectures**

- Theme 1 Methodology of financial security and financial risks
- Theme 2. Budget security
- Theme 3 . Tax security
- Theme 4 . Macroeconomic security
- Theme 5 . Economic security of the bank and its main characteristics
- Theme 6 . Security of the insurance market:
- Theme 7 Security of the stock market
- Theme 8 . Security of the insurance market
- Theme 9 Content, nature and classification of financial risks
- Theme 9 Theoretical foundations of financial risk management
- Theme 10 System of quantitative financial risk assessment
- Theme 11 Methods of financial risk assessment
- Theme 12 Fundamentals of financial risk assessment
- Theme 13 Methodological tools for managing financial risks of the enterprise
- Theme 14 Business valuation and financial risks
- Theme 15 . Market risk hedging

## Theme 16 Portfolio approach to market risk management

### Topics of the workshops

- Theme 1: Legal basis of financial and economic business activities with regard to financial security elements
- Theme 2. Regulatory and legal support of financial security Theme 3. Calculations for budget security
- Theme 4 Fundamentals of tax security of Ukraine.
- Theme 5. Research of financial security taking into account elements of macroeconomic security
- Theme 6: Digitalization in the field of banking security
- Theme 7. Threats and instruments of state regulation in the insurance market
- Theme 8. Calculations of security factors in the stock market
- Theme 9. Improving risk management: the main components of effective risk management.
- Theme 10 Business risk management of the enterprise.
- Theme 11 Methods of substantiating business decisions under risk conditions
- Theme 12: Application of VaR methodology in risk management
- Theme 13: Enterprise liquidity risk management
- Theme 14: Determination of investment portfolio risk
- Theme 15: Assessment of financial risks
- Theme 16 Hedging with a futures contract
- Theme 17 Mono-futures on shares
- Theme 18 Stock index futures contract
- Theme 19 Bond futures
- Theme 20 Theoretical or Fair Value of a Bond Futures Contract
- Theme 21 Hedging with an option contract
- Theme 22 Risk assessment of investments in debt financial instruments
- Theme 23 Portfolio approach to market risk management
- Theme 24 Features of using the beta coefficient

### Topics of the laboratory classes

Laboratory work is not provided within the discipline.

### Self-study

The course involves completing an individual task, namely writing a calculation task. The student chooses the topic of the task independently from the list of methodological recommendations for the discipline. The result of independent work is the selection and disclosure of the research topic, which is 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. Davydiuk T.V. Accounting, Audit and Taxation: Theory and Practice: a textbook for students of specialities 071 "Accounting and Taxation" (Section 6) P.251-289 team of authors under the editorship of Prof. Davydiuk T.V. - Kharkiv: NTU "KhPI", 2021. - 607 p.
- 2 Lisovyi H. Tax crime as a threat to the tax security of Ukraine. Public Law. 2017. № 2 (26). C. 113-121. 2. Tax risks affecting the economic security of the enterprise. Bankruptcy & Liquidation in Ukraine. 07.02.2019.
- 3 Yurieva I.A., Falchenko O.O., Poberezhna N.M., Features of the formation of equity capital at enterprises. Eastern Europe: economy, business and management: electronic scientific professional edition - 2019. - Issue 2 (19). - P. 404-409. - URI: [http://www.easterneurope-ebm.in.ua/journal/19\\_2019/61.pdf](http://www.easterneurope-ebm.in.ua/journal/19_2019/61.pdf),
4. Yurieva I. A., Aleksenko A. A. Accounting and analytical support of wages at enterprises // Annual (IX) International Internet Conference of Students and Young Scientists ["Strategies for Innovative Development of the Ukrainian Economy: Problems, Prospects, Efficiency. Forward-2019], (Kharkiv, 27 December 2018) - Kharkiv: NTU "KhPI." - 2019.
5. Implementation of business planning tools as a mechanism for ensuring economic security of the enterprise. Research and optimization of economic processes in the hotel and restaurant business : a collective monograph / T. S. Shovkopliias [et al: NTU "KhPI", 2019. 100 p. (collective monograph).
6. Yurieva I.A., Falchenko O.O., Poberezhna N.M., Features of the classification of income of trade enterprises. Eastern Europe: Economics, Business and Management, 2020, No. 2 (20) - P.426-429 -

Access mode to the resource: (professional electronic Index Copernicus: Indexed in the ICI Journal Master List

7. Application of advanced information and communication technologies at modern enterprises. Bulletin of the National Technical University "Kharkiv Polytechnic Institute" (Economic Sciences) - Kh: B. DOI: [HTTPS://DOI.ORG/10.20998/2519-4461.2020.4.3](https://doi.org/10.20998/2519-4461.2020.4.3)
8. Financial and economic principles of survival of a crisis enterprise in the system of social responsibility. Bulletin of the National Technical University "Kharkiv Polytechnic Institute" (Economic Sciences) - Kh: B. (2022). - P.-44-47 DOI: <https://doi.org/10.20998/2519-4461.2022.2.44>
9. Yurieva I.A., Omilaeva S.V. Aspects of implementation of the economic security system at the enterprise Proceedings of the First International Scientific and Practical Conference "Modernisation of the Economy: Modern Realities, Forecast Scenarios and Development Prospects", Kherson National Technical University (Kherson, Ukraine). Kherson, Ukraine) 25-26 April 2019 II-Mizhnarodna-naukovo-praktichna-konferenciya-Modernizaciya-ekonomiki-suchasni-realiyi-prognozni-scenariyi-ta-perspektivivi-rozvitku C 94-96
10. Yurieva I.A., Klymenko S.V. Actual aspects of enterprise cost management. Proceedings of the First International Scientific and Practical Conference "Modernisation of the Economy: Modern Realities, Forecast Scenarios and Development Prospects", Kherson National Technical University (Kherson, Ukraine), 25-26 April 2019. II-Mizhnarodna-naukovo-praktichna-konferenciya-Modernizaciya-ekonomiki-suchasni-realiyi-prognozni-scenariyi-ta-perspektivi-rozvitku P. 596-597
11. Yurieva I.A., Falchenko O.O. Implementation of crisis management elements using the blockchain platform Bulletin of the National Technical University "Kharkiv Polytechnic Institute" (Economic Sciences) - Kh.
12. Digital support of the organisation and methodology of tax audits as a factor of financial security / Bulletin of the National Technical University "Kharkiv Polytechnic Institute" (Economic Sciences) - Kh.
13. Yurieva I.A. Directions for improving the accounting of financial results and reporting at railway transport enterprises Materials of the II All-Ukrainian Scientific and Practical Internet Conference "Actual Problems and Prospects for the Development of Accounting, Analysis and Control in a Socially Oriented Enterprise Management System" Poltava State Agrarian Academy 23 April 2019 Poltava Poltava: PDAA, 2019. - PP. 111-113
14. Directions of accounting and analysis in the conditions of digitalisation Scientific readings of Professor Hryhorii Kireitsev (to the 90th anniversary of his birth). Collection of abstracts of the All-Ukrainian Scientific and Practical Online Conference (Kyiv, 22 February 2022) / Edited by L.V. Hutsalenko Kyiv: NULES of Ukraine, 2022, pp. 324-327 407 p.
15. Implementation of a comprehensive model of information consolidation for managing the security component of the enterprise XI International Scientific and Practical Conference "Information and Analytical Support of Security-Oriented Management in the Context of Globalisation" 17-18 November 2022, Kharkiv National University of Urban Economy named after O.M. Beketov, pp. 191-194.
16. Yurieva I.A. Research of directions of financial and economic security XXXI International Scientific and Practical Conference "Information Technologies: Science, Engineering, Technology, Education, Health. MicroCAD 2023" May 2023, Kharkiv P.818
17. Tatyryntseva Y.L., Yurieva I.A. Social responsibility: accounting for risks in the digitalisation of finance / Bulletin of the National Technical University "Kharkiv Polytechnic Institute" (Economic Sciences) Kh 2023. - № 4 ( 2023). - C.-84-87 DOI: <https://doi.org/10.20998/2519-4461.2023.4.84>:-
- 18 Yurieva I.A. Application of due diligence in diagnosing the financial condition of an enterprise in crisis management and economic security Bulletin of the National Technical University NTU«KhPI», 2023. - № 6 ( 2023). - C.-63-66 <http://es.khpi.edu.ua/issue/view/16159>harkiv Polytechnic Institute"
- 19 Text of lectures in the discipline "Analytical tools for financial and economic security of enterprises" for students of all forms of study in the specialities 071 "Accounting and Taxation" and 072 "Finance, Banking, Insurance and Stock Market" / I.A. Yurieva, M.O. Tkachenko - Kharkiv: NTU "KhPI", - 2024.- 104 p. - In Ukrainian.
- 20 Yurieva I.A., Tkachenko M.O. Financial Diagnostics in Anticrisis Management: Methodical instructions for independent work (for students of all forms of study in the specialities 071 "Accounting and Taxation" and 072 "Finance, Banking, Insurance and Stock Market" - Kharkiv: NTU "KhPI", 2024 - 24 p.
- 21 I.A. Yurieva, M.O. Tkachenko. Analytical tools for financial and economic security: Methodical instructions for independent work (for students of all forms of study in the specialities 071 "Accounting and Taxation" and 072 "Finance, Banking, Insurance and Stock Market" - Kharkiv: NTU "KhPI", 2024 - 19 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 exam: final test (40%); implementation of the Calculation task (20%) and implementation of the student's self-work (40%). 40% of independent work consists of: • 20% of ongoing assessment (including essays presentations, on topics and work in practical classes); • 20% of the current semester control (online tests). The exam is written and contains: 2 theoretical questions of different levels of difficulty and 1 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<br>(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