



Syllabus Course Program



Financial Analysis

Specialty

072 – Finance, banking, insurance and the stock market

Educational program

Finance and Banking

Level of education

Bachelor's level

Semester

7

Institute

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

Department

Accounting and Finance(205)

Course type

Mandatory,

Language of instruction

English,

Lecturers and course developers



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Candidate of technical sciences, professor of the Department of Accounting and Finance

Author of 160 scientific and educational and methodological works. Leading lecturer in the disciplines "Finance", "Money and credit", "Financial analysis"

More about the lecturer on the department's website

<https://web.kpi.kharkov.ua/acctfin/pro-kafedru/professors-ko-vikladats-kij-sklad/>



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

Author of more than 180 scientific and educational and methodological works. Leading lecturer in the disciplines: "Analysis of economic activity", "Economic analysis", "Fundamentals of scientific research", "Investment analysis"

More about the lecturer on the department's website

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General information

Summary

The course "Financial Analysis" is aimed at obtaining theoretical and methodological knowledge regarding the assessment and forecasting of the financial state of the enterprise, as well as mastering the methods and techniques of financial analysis to identify problems and study current areas of assessment and forecasting of the financial and economic state of enterprises in the market economy. The

interrelationships and features of individual methods and techniques are considered, the features of their application in the analysis of the financial state of the enterprise are revealed.

Course objectives and goals

Mastering the theoretical, methodological and practical skills of analyzing the financial and economic condition of enterprises and economic sectors. Providing theoretical ideas and practical skills regarding the application of modern methods of analysis and forecasting of the financial and economic state of enterprises in order to generalize the obtained results and make managerial decisions.

Format of classes

Lectures, practical classes, consultations. Course project. Final control in the form of an exam.

Competencies

GC 01. Ability to abstract thinking, analysis and synthesis.

GC 02. Ability to apply knowledge in practical situations.

GC 04. Ability to communicate in a foreign language.

GC 05. Skills in using information and communication technologies.

GC 06. Ability to conduct research at an appropriate level.

GC 07. Ability to learn and master modern knowledge.

GC 08. Ability to search, process and analyze information from various sources.

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

GC 10. Ability to work in a team.

GC 11. Ability to communicate with representatives of other professions of groups of different levels (with experts from other fields of knowledge/types of economic activity).

GC 12 Ability to work autonomously.

GC 14. 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.

SC 02. Understanding the peculiarities of the functioning of modern global and national financial systems and their structure.

SC 03. 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).

SC 04. Ability to apply economic and mathematical methods and models to solve financial problems.

SC 05. Ability to apply knowledge of legislation in the field of monetary, fiscal and financial market regulation.

SC 06. Ability to use modern information and software for obtaining and processing data in the field of finance, banking and insurance.

SC 07. Ability to compile and analyze financial statements.

SC 08. Ability to perform control functions in the field of finance, banking and insurance.

SC 09. Ability to communicate effectively.

SC 10. Ability to determine, justify and take responsibility for professional decisions.

SC 11. The ability to maintain an appropriate level of knowledge and constantly improve one's professional training.

Learning outcomes

PLO05. Possess a methodical toolset for diagnosing the state of financial systems (state finances, including budget and tax systems, finances of economic entities, finances households, financial markets, banking system and insurance)

PLO 09. Form and analyze financial statements and correctly interpret the received information.

PLO 10. Identify sources and understand the methodology, determination and methods of obtaining economic data, collect and analyze the necessary financial information, calculate

indicators characterizing the state of financial systems.

PLO 12. Use professional argumentation to convey information, ideas, problems and ways to solve them to specialists and specialists in the financial sphere of activity.

PLO 13. To have general scientific and special methods of studying financial processes.

PLO 16. Apply the acquired theoretical knowledge to solve practical problems and meaningfully interpret the obtained results.

PLO 19. Demonstrate the skills of independent work, flexible thinking, openness to new knowledge.

PLO 20. Perform functional duties in the group, offer sound financial solutions..

Student workload

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

Course prerequisites

To successfully complete the course, you must have knowledge and practical skills from the following discipline: "Finance", "Accounting", "Business finance".

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

Lectures are conducted interactively using multimedia technologies. The practical classes use a project approach to learning, the case method, and focus on the application of information technologies in financial analysis. Study materials are available to students through Teams and Google Classroom.

Program of the course

Topics of the lectures

Topic 1. Meaning and theoretical foundations of financial analysis

Content, purpose and tasks of financial analysis. Subject and purpose of financial analysis. Types of financial analysis. Methods and techniques of financial analysis. Express analysis and detailed financial analysis

Topic 2. Financial reporting and financial information

Preparation of financial statements and requirements for financial information provided to users. Balance sheet of the enterprise. Report on the financial results of the enterprise. Report on the movement of funds of the enterprise. Report on the company's equity

Topic 3. Analysis of enterprise property

General assessment of the state of the enterprise's property and its constituent parts. Analysis of sources of enterprise property. Analysis of the efficiency of the use of the company's property

Topic 4. Analysis of current assets

The essence, composition and structure of the company's current assets. The method of determining the need (normatives) in working capital of the enterprise. Sources of formation of working capital of the enterprise. Indicators of the state and efficiency of the use of current assets of the enterprise.

Topic 5. Analysis of the sources of capital formation of the enterprise

Analysis of the availability, composition and dynamics of sources of capital formation of the enterprise. Analysis of the composition and structure of equity capital. Analysis of the composition and structure of the capital involved. Analysis of the composition and structure of accounts payable. Analysis of profitability of capital. Assessment of the cost of capital

Topic 6. Analysis of cash flows

The concept, types and meaning of cash flows for the enterprise. The method of analyzing the company's cash flows. Management of cash flows of the enterprise.

Topic 7. Analysis of liquidity and solvency of the enterprise

The essence of liquidity and solvency of the enterprise. Liquidity analysis of the company's balance sheet. Analysis of the company's solvency. Comprehensive assessment of the company's liquidity and solvency.

Topic 8. Analysis of the financial stability of the enterprise

The essence of the financial stability and sustainability of the enterprise. The main factors affecting the financial stability of the enterprise. Assessment of the type of financial stability of the enterprise.

Quantitative assessment of the financial stability of the enterprise. Integrated assessment of the financial stability of the enterprise. Assessment of the stock of financial stability of the enterprise

Topic 9. Analysis of the enterprise's creditworthiness

Concepts, tasks and sources of information for analyzing the creditworthiness of an enterprise. The method of analyzing the creditworthiness of the enterprise. Assessment of the enterprise's creditworthiness based on financial ratios. Assessment of creditworthiness based on cash flow analysis. Assessment of creditworthiness based on business risk analysis.

Topic 10. Analysis of business activity of the enterprise

The essence and levels of business activity of the enterprise. The main areas of analysis of the enterprise's business activity. Methodology for the analysis of the enterprise's business activity

Topic 11. Analysis of profitability and profitability of the enterprise

The importance and task of analyzing the formation of financial results of the enterprise. Analysis of the level, structure and dynamics of the company's financial results. Analysis of the company's break-even level. Factor analysis of the financial results of the enterprise. Analysis of the distribution and use of the company's net profit. The essence and profitability indicators of the enterprise. Factor analysis of the company's profitability. Analysis of reserves for increasing the company's profit

Topic 12. Comprehensive analysis of the financial state of the enterprise

Concept of complex financial analysis. Methodology of organization of complex financial analysis. Partial models of implementation of complex financial analysis

Topics of the workshops

Topic 1. Meaning and theoretical foundations of financial analysis

Analysis of methods, techniques and models of financial analysis.

Topic 2. Financial reporting and financial information

Compilation and analysis of the company's financial statements

Topic 3. Analysis of enterprise property

Analysis of the property status of the enterprise and its constituent parts.

Topic 4. Analysis of current assets

Analysis of the composition and structure of the company's current assets. Analysis of indicators of the state and efficiency of the use of current assets of the enterprise.

Topic 5. Analysis of the sources of capital formation of the enterprise

Analysis of the availability, composition and dynamics of sources of capital formation of the enterprise

Topic 6. Analysis of cash flows

The method of analyzing the company's cash flows.

Topic 7. Analysis of liquidity and solvency of the enterprise

Integrated assessment of liquidity and solvency of the enterprise.

Topic 8. Analysis of the financial stability of the enterprise

Quantitative assessment of the financial stability of the enterprise. Assessment of the stock of financial stability of the enterprise.

Topic 9. Analysis of the enterprise's creditworthiness

Assessment of the enterprise's creditworthiness based on financial ratios, cash flow analysis, and business risk analysis

Topic 10. Analysis of business activity of the enterprise

Assessment of business activity of the enterprise based on ratio analysis

Topic 11. Analysis of profitability and profitability of the enterprise

Analysis of the level, structure and dynamics of the company's financial results. Analysis of enterprise profitability indicators.

Topic 12. Comprehensive analysis of the financial state of the enterprise

Methodology of organization of complex financial analysis

Topics of the laboratory classes

no laboratory classes.

Self-study

The course involves the implementation of a course project devoted to the analysis of the financial condition of an operating enterprise based on its real financial statements and the development of measures to improve its financial condition. The results of theoretical and practical research are drawn up in a written report, defended and evaluated according to the generally accepted system of assessing students' knowledge. Additional sources of information are provided to students for independent study

Course materials and recommended reading

1. Kenneth S. Bigel Introduction to Financial Analysis. , New York, 2022.
<https://open.umn.edu/opentextbooks/textbooks/1221>
2. Steven M. Bragg Financial Analysis: Fourth Edition Paperback, 2020. 352 p.
3. Financial Analysis. https://openjicareport.jica.go.jp/pdf/11965860_08.pdf
4. Martin S. Fridson, Fernando Alvarez Financial Statement Analysis: A Practitioner's Guide, 5th Edition, 2022. 448 p. <https://www.wiley.com/en-gb/Financial+Statement+Analysis%3A+A+Practitioner%27s+Guide%2C+5th+Edition-p-9781119457169>
5. Simeon Spiteri Financial Accounting: From Its Basics to Financial Reporting and Analysis. 2023. 444 p.
6. Financial Analysis. <https://corporatefinanceinstitute.com/resources/accounting/types-of-financial-analysis/>
7. Financial Analysis. <https://www.qlik.com/us/data-analytics/financial-analysis>
8. Analysis of financial statements: how it is done, by types of statements.
<https://www.investopedia.com/terms/f/financial-statement-analysis.asp>
9. Financial Analysis: Meaning, Importance & Functions. <https://herovired.com/learning-hub/blogs/financial-analysis/>
10. Financial Analysis: <https://www.tsu.edu/academics/colleges-and-schools/jesse-h-jones-school-of-business/pdf/fin-financial-statement-analysis.pdf>
https://corporatefinanceclub.nd.edu/assets/404158/financial_analysis_fundamentals.pdf
11. Alshowishin, Aown. (2021). Financial Analysis. International Journal of Scientific and Research Publications (IJSRP). 11. 208-211.

Assessment and grading

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

The final grade for the academic discipline is defined as the sum of grades/points for all successfully assessed learning outcomes during the semester:

- current test and practical tasks - 40%;
- course project - 30%;
- presentations on the topic of the course project - 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
Maryna Shevchenko