



Syllabus Course Program



Financial management

Specialty

073 – Management

Institute

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

Educational program

Business administration (in English)

Department

Department of Accounting and Finance (205)

Level of education

Master's level

Course type

Special (professional), Elective (optional)

Semester

2

Language of instruction

English

Lecturers and course developers



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Ph.D. (C.Sc.) in Economic Sciences, associate professor of General Economic Theory of Department

Authored and co-authored over 75 scientific and methodological publications.

Courses: "Macroeconomics", "Microeconomics", "Basics of economic theory", "Business communication and business negotiations", "Financial management" and others.

<http://web.kpi.kharkov.ua/oet/pr-vukl-sklad-uk/>

General information

Summary

This comprehensive program provides a foundational understanding of financial principles, ranging from introductory concepts to advanced strategies. Covering key topics such as financial statement analysis, sources of financing, capital structure, and working capital management, participants engage in practical exercises, case studies, and simulations to develop critical skills in decision-making, risk assessment, and strategic financial planning. The course aims to empower students with the knowledge and tools necessary to navigate the complexities of financial management, fostering proficiency in optimizing capital, managing resources, and making informed financial decisions within organizational contexts.

Course objectives and goals

The purpose of studying the discipline "Financial Management" is to form a system of theoretical knowledge and practical skills in financial management of enterprises.

The tasks of studying the discipline "Financial Management" are: study of theoretical and organizational foundations of financial management; acquisition of knowledge and practical skills in managing cash flows, capital, profits and assets of the enterprise; mastering the methods of determining the price (value) of capital and finding out ways to optimize its structure; study of methods for assessing the financial condition of the enterprise, its needs in financial resources; methods of in-house financial forecasting and

planning, financial risk management; application of financial instruments of crisis management of enterprises.

Format of classes

Lectures, practical classes, independent work. Individual task (control work). Final control - differentiated grading.

Competencies

GC3. Skills in using information and communication technologies;
SC4. Ability to effectively use and develop the organization's resources;
SC9. Ability to analyze and structure organizational problems, make effective management decisions and ensure their implementation.

Learning outcomes

LO02. To identify organizational problems and justify methods for solving them
LO08 To use specialized software and information systems for solving problems related to management of organizations
LO13 To be able to plan and provide informational, methodological, material, financial and staffing support for an organization (unit)

Student workload

The total volume of the course is 120 hours (4 ECTS credits): lectures - 32 hours, workshops - 16 hours, self-study - 72 hours.

Course prerequisites

For successful studying the course, it is necessary to have knowledge and practical skills, which are confirmed by the entrance exam in Management and administration (Order of the Ministry of Education and Science of Ukraine No. 157 dated February 11, 2022)

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

Lectures are delivered interactively with the use of multimedia technologies. Practical workshops use a project-based learning approach and focus on the use of modern information technologies in Financial Management. Learning materials are available to students via MS TEAMS.

Program of the course

Topics of the lectures

Topic 1. An Introduction to Financial Management.

This topic lays the groundwork for understanding essential financial principles, providing a comprehensive overview of theories and practices vital for making informed decisions in organizational finance.

Topic 2. Exploring the Art of Financial Statement Analysis.

Delve into the intricacies of financial statements, mastering advanced techniques to interpret and analyze data crucial for assessing and evaluating a company's fiscal health.

Topic 3. Unveiling Key Sources of Financing.

Explore the diverse channels of financial resourcing, from equity to debt, and uncover the strategic use of hybrid instruments employed by organizations to infuse capital.

Topic 4. The Time Value of Money.

The Time Value of Money refers to the concept that a sum of money's worth or value today is different from its value in the future, accounting for factors such as interest rates, inflation, and opportunity costs,

thereby emphasizing the importance of considering the temporal dimension in financial decision-making and analysis.

Topic 5. Understanding Capitalization Strategies.

Examine the strategic intricacies of capitalization, unraveling how businesses structure financial frameworks to optimize resource deployment and enhance long-term financial sustainability.

Topic 6. Crafting an Effective Capital Structure.

Immerse yourself in the delicate balance of debt and equity, assessing the impact on risk, return, and the overall financial health of an organization through strategic capital structure decisions.

Topic 7. Demystifying the Cost of Capital.

Demystify the complexities of capital budgeting, gaining insights into the actual costs associated with raising funds for corporate investments and understanding the implications for financial decisions.

Topic 8. Leveraging Resources for Optimal Financial Performance.

Explore advanced financial management techniques, gaining insights into strategic resource deployment and optimization for achieving optimal financial performance.

Topic 9. Strategies for Informed Dividend Decision-Making

Equip yourself with the knowledge and tools for making prudent dividend distribution choices, considering financial stability, growth, and shareholder value.

Topic 10. Capital Budgeting.

Delve into the theoretical and practical aspects of long-term investment decisions, acquiring tools to evaluate, prioritize, and fund impactful projects for sustained organizational growth.

Topic 11. The Essentials of Working Capital.

Gain a comprehensive understanding of working capital components and management strategies, ensuring the smooth operation of day-to-day business activities.

Topic 12. Mastering the Art of Working Capital Management.

Acquire advanced insights into efficient short-term asset and liability management, essential for maintaining liquidity and sustaining business operations.

Topic 13. Navigating the Complexities of the Financial System

Embark on a scholarly exploration of the interconnected elements shaping the global financial system, encompassing regulatory, economic, and geopolitical factors.

Topic 14-15. Project Analysis.

Comprehensive examination and evaluation process that involves scrutinizing various aspects of a project, including its goals, scope, resources, risks, and potential outcomes, to ensure effective planning, implementation, and successful completion.

Topic 15-16. The International Monetary and Financial Environment

The International Monetary and Financial Environment encompasses a thorough assessment and scrutiny of global economic and financial conditions, including factors such as exchange rates, monetary policies, international trade dynamics, and geopolitical influences, to gain insights into the complex interactions shaping the global financial landscape.

Topics of the workshops

Topic 1. Introduction to Financial Management. Financial Statement Analysis.

Hands-on Analysis of Company Financial Statements and Performance Metrics.

Topic 2. Sources of Financing.

Simulation of Securing Financing through Various Channels - Equity, Debt, and Hybrid Instruments.

Topic 4. Capitalization.

Financial Modeling Workshop - Determining Optimal Capitalization for Business Scenarios.

Topic 5. Capital Structure.

Group Project - Designing an Effective Capital Structure for a Simulated Business.

Topic 6-7. Cost of Capital.

Calculating Weighted Average Cost of Capital (WACC) for a Given Business Case.

Topic 8. Leverage.

Assessing Financial Risk through Leverage - Scenario Analysis and Risk Mitigation Strategies.

Topic 9-10. Dividend Decision.

Dividend Policy Simulation - Evaluating Different Approaches and their Implications.

Topic 11. Capital Budgeting.

Investment Appraisal Workshop - Analyzing and Prioritizing Long-Term Investment Opportunities.

Topic 12-13. Working Capital.

Working Capital Simulation - Managing Short-Term Assets and Liabilities in a Business Scenario.

Topic 14-15. Working Capital Management.

Workshop on Efficient Working Capital Management - Strategies for Optimization and Efficiency.

Topic 16. Financial System

Exploring the Financial System - Case Studies on the Impact of Economic Policies and Global Financial Trends.

Topics of the laboratory classes

No laboratory classes are included in the plan.

Self-study

The course involves learning additional materials regarding the topics of the lectures.

Also, the course includes performing an individual assignment with elements practical problem-solving. The result is presented in a written report. Students are also provided with additional materials (videos, articles) for independent self-study.

Course materials and recommended reading

1 Alain Ruttiens. Mathematics of the Financial Markets: Financial Instruments and Derivatives Modelling, Valuation and Risk Issues. 2020. 351 pages.

2 Arnold G. Corporate financial management / G. Arnold, D. Lewis. – Sixth edition. – London: Pearson Education Limited, 2019. – XXI, 1015p., G:36, B:20, I:13.

3 Atrill P. Financial management for decision makers / Peter Atrill. – Ninth edition. – London: Pearson Education Limited, 2020. – XVIII, 715p.

4 Berk J. Fundamentals of corporate finance: Global edition / J. Berk, P. DeMarzo. – Sixth edition. – London: Pearson, 2023. – 1195p.

5 Corporate finance and investment: Decisions and strategies / [R. Pike, B. Neale, S. Akbar, Ph. Linsley]. – Ninth edition. – London: Pearson Education Limited, 2021. – XXVI, 849p.

6 Frank J. Fabozzi. The Basics of Finance: An Introduction to Financial Markets, Business Finance, and Portfolio Management. 2023. 665 pages.

7 John Tennent. The Economist Guide to Financial Management: Principles and Practice. 2014. 368 pages.

8 McLaney E. Business finance: theory and practice / Eddie McLaney. – Eleventh edition. – London: Pearson Education Limited, 2020. – XVI, 527p.

9 Ross S.A., Fundamentals of corporate finance / S.A. Ross, R.W. Westerfield, B.D. Jordan. – Twelfth edition. – New York: McGraw-Hill Education, 2019. – XLVI, 912p., I-19..

Assessment and grading

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

100% of the final grade consists of the results of the assessment in the form of a test (30%), ongoing assessment (in practical classes) (20%) and final assessment (differentiated assessment) (50%).

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



Head of the department
Olena PROKHORENKO

August 28, 2024

Guarantor of the educational
program



Pavlo BRIN

August 28, 2024