



## Educational Component Syllabus

# Evaluation (Qualifying Research)

**Code and Name of the Major**  
072 – Finance, banking,  
insurance and stock market

**Curriculum**  
Finance and Banking

**Academic Level**  
Master's degree

**Quantity of Semesters**  
3

**Institute**  
Academic and Research Institute of Economics,  
Management and International Business

**Department**  
Accounting and Finance (205)

**Type of Educational Component**  
Special (professional), Mandatory

**Teaching Language**  
Ukrainian, English

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## Professors and Authors



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Doctor of Economic Sciences, Full Professor, Professor at the Accounting and Finance Department (NTU "KhPI")

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Candidate of Economic Sciences, Associate Professor, Associate Professor of the Department of Accounting and Finance (NTU "KhPI") The author of more than 50 scientific and educational and methodical publications.

Leading lecturer on courses: "Finance", "Tax system", "Budget system"

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## General Information

### Annotation

Certification is the final stage of training for applicants for the second (master's) level of higher education in the specialty 072 Finance, Banking, Insurance and Stock Market, educational program "Finance and Banking". The form of certification for applicants for the educational program "Finance and Banking" is a qualification work. The content of the qualification work corresponds to the Standard of Higher Education in the specialty 072 Finance and Banking, branch of knowledge 07 "Management and Administration" for the second (master's) level of higher education.

## **The Purpose of the Educational Component**

The purpose of evaluation is:

- deepening, consolidating and verifying the competencies and learning outcomes that were acquired by the applicant during their studies in the educational and professional program "Finance and Banking" of the second (master's) level of higher education;
- assessing the level of formation of graduates' competencies provided for by the corresponding level of the national qualifications framework and the educational and professional program "Finance and Banking" of the second (master's) level of higher education in accordance with the requirements of the Higher Education Standard.

## **The Format of the Educational Component**

Independent work, consultations, individual assignments. Final assessment: Evaluation in the form of a public defense at an open meeting of the examination committee.

## **Integral Competence**

The ability to solve complex tasks and problems in professional activities or in the process of studying in the field of finance, banking and insurance, which involves conducting research and/or implementing innovations and is characterized by uncertainty of conditions and requirements.

## **Learning Outcomes**

GC 1. Ability to think abstractly, analyze, and synthesize.

GC 3. Ability to conduct sound research.

GC 5. Ability to make informed decisions.

L001. To apply fundamental laws of finance, banking, and insurance development in combination with research and management tools for professional and academic activities.

L002. To be aware of the latest achievements, concepts, and academic methodologies in finance, banking, and insurance.

L003. To adapt and modify existing academic approaches and methods to specific situations that occur during work.

L004. To search, process, systematize, and analyze information necessary for solving professional and academic problems in finance, banking, and insurance.

L005. Communicate fluently in a foreign language on professional and academic issues and present and discuss research results.

L006. To present research results in an accessible and reasoned manner orally and in writing, to participate in professional discussions.

L007. To solve ethical dilemmas based on the law, ethical principles, and universal values

L008. To apply and manage innovative approaches in finance, banking, and insurance.

L009. To apply management skills in finance, banking, and insurance.

L010. To identify and model the financial activities of business entities.

L011. To apply in-depth knowledge in financial, banking, and insurance management decision-making.

L012. To justify the choice of management decision options in finance, banking, and insurance and evaluate their effectiveness, considering the goals, existing constraints, and legal and ethical aspects.

L013. To assess the degree of task complexity at the planning and results processing stages.

## **The Scope of the Educational Component**

Preparation and defense of qualifying research:

Total number of academic hours: 330 hrs. (11 ECTS credits): independent work – 330 hours.

## **Prerequisites**

In order to successfully pass the defense, it is necessary to have knowledge and practical skills from all mandatory educational components of the " Finance and Banking" graduate level curriculum.

## **Educational Component Requirements and Its Features**

Graduation qualifying research (GQR) should contain theoretical value and practical significance. Graduate students are given the right to choose the research subject of their GQR. If the student did not have the opportunity to choose the topic of the final qualifying research within the time limit set by the schedule of the educational process, this is done by the academic director and guarantor of the educational program. Professors, associate professors, as well as highly qualified specialists of enterprises (organizations), PhDs and Doctors of Science are appointed as heads of the GQR and are approved by the rector's order.

GQR is performed on the basis of the task approved by the head of the department, taking into account:

- factual material based on the results of pre-diploma practice;
- scientific works of the department;
- in-depth study of literature in a specialty that highlights the latest achievements of domestic and foreign science;
- the calendar plan for the implementation of the GQR.

The GQR is carried out on the basis of an in-depth study of legislative and other regulatory acts, special domestic and foreign scientific literature, best experience on the chosen problem (it is desirable to use the literature of the last 5 years), the results of own research in order to solve the defined professional tasks. After processing the sources, the student of education draws up a GQR plan, which is agreed with the supervisor. It is recommended to test the results of the GQR for a higher education graduate with a master's degree at scientific and practical conferences. GQR documents must be in Ukrainian and English.

The GQR is checked for compliance with the requirements of regulatory documents. The GQR is checked for academic plagiarism using special software and other technical means. The qualifying research is submitted to the repository of NTU "KhPI".

The completed GQR, signed by the author, together with the manager's feedback and a review, is submitted to the Department of Accounting and Finance, where its preliminary defense is conducted and a decision is made to admit the GQR to defense.

The GQR, which has been accepted by the department for defense, is submitted for external review. For the defense, the student of higher education must prepare a report and presentation of illustrative materials. After giving a speech, the applicant of higher education must answer the questions posed by the members of the committee .

*The Defense Procedure:*

- 30 minutes before the start of the evaluation , the secretary of the examination committee (or another responsible person) must start a video conference, involve members of the examination committee and defending students admitted to the final evaluation with mandatory identification;
- during the defense of the qualifying research, its electronic copy should be presented to the examination committee;
- during the final evaluation, the student must not leave the area of visibility of the web camera. During the defense of the qualifying work, the student is prohibited from engaging third parties and/or providing access to electronic devices to third parties.
- during the defense of the qualifying work, the student demonstrates a presentation through the screen display mode, makes a report (speech) in front of the camera to the committee members and answers the oral questions of the committee members;
- in case of interruption of the process of defense of qualifying research , the student immediately contacts the technical secretary with a request for its extension. The committee makes a decision on renewal or termination of the defense;
- it is mandatory to follow safety rules in the conditions of Russia's military aggression. In the event of force majeure circumstances occurring during the examination, the student must immediately notify the examiners of these circumstances using a designated communication channel (telephone, messenger, etc.), preventing its completion. Under these circumstances, the possibility and time of retaking the exam is determined by the members of the examination committee and the directorate on an individual basis.
- if the graduating student did not appear at the meeting with the examination committee to defend the qualifying research, then the protocol of the committee states that s/he is "not certified" due to her/his absence. Students who are admitted to the defense, but for objective reasons cannot take part in it using the technical means specified by the university, must provide the directorate and the chair of the examination committee with supporting material before the defense begins. In such a case, the examination committee must choose an alternative option for conducting the defense.
- in case of disagreement with the assessment, the graduate has the right to appeal. The appeal signed by the director of the institute is submitted to the Rector or vice-rector of the University for academic and pedagogical activity on the day of the defense after the announcement of the Evaluation results. The appeal is considered within three calendar days from the date of its submission.

## Educational Component Program

Evaluation of students is an independent work that corresponds to the particular major and curriculum and integrates all the knowledge, skills and abilities acquired during professional training, serving as a comprehensive assessment of readiness for professional activity.

In the first (theoretical) chapter of the qualifying research (master's thesis), the theoretical aspects of the researched problem are considered, an analytical review of certain references is carried out, different views are critically analyzed, their scientific classification is carried out, the main factors influencing the state and development of the researched object are determined, foreign experience is analyzed according to researched issues, etc. In the analytical review of academic literature, the student notes the main stages of the development of scientific thought on the problem being studied. Based on the study of academic, educational and instructional material (including foreign), the approaches of different authors to the problem solving are revealed, the similarities and differences are shown, and also their own views on a specific problem are substantiated. The volume of the first section should not exceed 30-40% of the total volume of the main part of the GQR (10-15 pages).

In the second (analytical) chapter, which is a transition to the next third section and combines the acquired theoretical knowledge and the ability to use selected methods and a certain methodological toolkit, the student using actual material and collected information, analyzes and reveals the content of the issues using particular enterprise as a model entity. The second chapter of the thesis should begin with a brief description of the research object according to the scheme: ownership, organizational and legal form, industry affiliation; when and by whom it was founded, location, material and technical base, main economic indicators for the reporting period, number of employees; organizational diagram, list of the main competitors. The main outputs of the operational activity of the research entity should be analyzed for the period of three years and presented in the form of tables (data for analysis are obtained

during pre-diploma internship). The source of information for analysis should be selected and actual indicators of financial and business activity, statistical and accounting reports, orders, results of observations, surveys and other methods of collecting primary information used by the student during his/her internship. Also, this chapter should contain a description, characterization of the current state of the research topic, diagnosis of issues related to the analyzed entity and applied accounting methods, thorough analysis using the accumulated factual material and involving all theoretical knowledge, certain methodological tools. All analytical calculations, tables, graphs, charts must be accompanied by interpretation and conclusions that allow determining the essence of management and economic processes observed in selected companies (institutions), their features, trends, and unused reserves should be identified. Based on the summary of all collected information and results of the analysis, the student summarizes the results of his/her own research, formulates proposals for solving problematic issues, and provides a comparative assessment of similar research by domestic and foreign authors. The volume of the second chapter should be within 30-35% of the total volume of the main part of the GQR (15-20 pages).

In the third (recommendational) chapter, the student must justify the recommendations and develop a project to solve the identified problem of the selected entity. This chapter contains several interrelated subsections, in which specific substantiated proposals are provided for improving the subject of the study, its methodological or organizational support, taking into account the results of the analysis conducted in the second section of the study, as well as the analysis of the usefulness and the degree of possibility of implementing the results of the work. Its task is to develop clear recommendations, proposals, models for managing the parameters of the development and activity of the enterprise based on the main theoretical provisions, methodological approaches, methodological tools outlined in the first chapter, as well as the conclusions of the research conducted in the second chapter. The proposed improvements should necessarily contain calculation and quantitative justification, which can be carried out by applying methods of economic and mathematical forecasting, as well as methods of business statistics. The volume of the third chapter should be 30-35% of the total volume of the main part of the GQR.

GQR documents are formatted in accordance with the requirements of normative documents: state standards, university standards, and instructions of the department. Before submission of the GQR for approval by the department chair, it undergoes control for compliance with the requirements of regulatory documents. The structural elements of the thesis are performed in accordance with the requirements of STZVO-KhPI-3.01, section 5.

*Potential topics of master thesis (GQR):*

1. Management of the formation of the profit of the enterprise (firm, corporation)
2. Management of the distribution and use of the profit of the enterprise (firm, corporation)
3. Justification of the policy of attracting borrowed funds of the enterprise (firm, corporation)
4. Management of attracting bank credit by the enterprise (firm, corporation)
5. Management of attracting commercial credit by the enterprise (firm, corporation)
6. Justification of the investment policy of the enterprise (firm, corporation)
7. Management of cash flows of the enterprise (firm, corporation)
8. Management of financial risks in the financial activities of enterprises (firms, corporations)
9. Justification of the policy of anti-crisis financial management of the enterprise (firm, corporation)
10. Management of liquidity and solvency of the enterprise (firm, corporation)
11. Management of financial stability of the enterprise (firm, corporation)
12. Management of business and market activity of the enterprise
13. Management of the financial structure of the capital of the enterprise (firm, corporation)
14. Management of cost and ensuring the investment attractiveness of an enterprise (firm, corporation)
15. Development of the market of modern financial products and services based on Internet technologies
16. Financial planning at the enterprise: problems and prospects for development
17. Restructuring as a tool for increasing the value (of an enterprise, firm, company)
18. Justification of the credit policy of an enterprise (firm, corporation)
19. The impact of the structure and cost of capital on the market value of an enterprise (firm, company)
20. Budgeting in the financial management system of an enterprise (firm, company)
21. Diagnostics of bankruptcy of business entities and financial ways to overcome it



22. Justification of the optimal financial strategy of an enterprise (firm, corporation)
23. Formation and management of the investment portfolio of an enterprise (firm, company)
24. Justification of the strategy for the financial recovery of an enterprise (firm, company)
25. Financial assessment of an investment project (by example)
26. Dividend policy and investment attractiveness of the company
27. Investment policy of the company in times of crisis
28. Financial instruments for increasing the competitiveness of the enterprise (firm, company)
29. Management of investment attractiveness of the enterprise (firm, company)
30. Management of equity of a commercial bank
31. Management of assets of a commercial bank
32. Management of credit portfolio of a commercial bank
33. Management of liabilities of a commercial bank
34. Management of bank liquidity
35. Management of profit of a commercial bank
36. Management of currency portfolio of a commercial bank
37. Management of bank risks
38. Assessment, analysis and modeling of the stock market
39. Digital platforms and their role in the development of the financial sector.
40. Improving the concept of financial security of the enterprise in times of martial law
41. Technical and economic analysis of the blockchain cryptocurrency system and its impact on the development of the financial sector.
42. Strategic management of a banking institution in the context of financial market transformation.
43. Reserves for improving the financial condition of a commercial bank.
44. Development of a financial monitoring system for an enterprise based on innovative technologies.
45. Financial security management policy of an insurance company.
46. Prospects for the application of fintech innovations to improve the work of banking institutions and the development of the stock market
47. Assessment and forecasting of the state of an insurance company.
48. Assessment of the effectiveness of the use of financial instruments to reduce credit risks in banking.
49. Investment activities of banks in the securities market.
50. Current state and trends in the development of the international stock market.
51. Financial instruments in the stock market

## References and Educational Material

1. ДСТУ 3008:2015. Reports in the field of science and technology. Structure and rules of design. URL: [https://online.budstandart.com/ua/catalog/doc-page.html?id\\_doc=64463](https://online.budstandart.com/ua/catalog/doc-page.html?id_doc=64463).
2. ДСТУ 8302:2015. Bibliographic reference. General provisions and rules of compilation. URL: [https://online.budstandart.com/ua/catalog/doc-page.html?id\\_doc=64411](https://online.budstandart.com/ua/catalog/doc-page.html?id_doc=64411)
3. 3. Methodological instructions for completing a master's thesis for students of all forms of study in the specialty 072 "Finance, banking, insurance and stock market" - Kharkiv: NTU "KhPI", 2024. - 42 p.
4. Academic integrity policy at the National Technical University "Kharkiv Polytechnic Institute". URL: <https://web.kpi.kharkov.ua/phd/disertatsijna-rada/politika-dobrochesnosti/>.
5. СТБ УЗ-ХІІІ-1.03-2007 ССОHP. Normative control of documents in the field of the educational process. Procedure for organization and conduct
6. СТЗВО – ХІІІ – 2.01-2021 ССОHP. Diploma projects and theses. General requirements for implementation (with changes)
7. СТЗВО-ХІІІ-3.01-2021 ССОHP. Text documents in the field of educational process. General requirements for implementation (with changes)

## Grading System

### Evaluation Criteria Used to Identify the Graduate's Performance and Associated Score Distribution

The final assessment based on the results of the defense of the final qualifying research is performed taking into account its quality and answers to questions by the examination committee during the defense.

Table - Evaluation criteria to measure quality of master's thesis.

### Rating Scale

Total points	National assessment	ECTS
90-100	Perfect	A
82-89	Good	B
75-81	Acceptable	C
64-74	Satisfactory	D
60-63	Below Satisfactory	E
35-59	Unsatisfactory (requires further study)	FX
1-34	Unsatisfactorily (requires new enrollment in the course)	F

## Academic Integrity and Policy

The studenta must adhere to the "Code of Ethics of Academic Relations and Integrity of NTU "KhPI": to show discipline, education level, benevolence, honesty, responsibility. Conflict situations should be openly discussed in study groups with the teacher, and if it is impossible to resolve the conflict, it should be brought to the attention of the employees of the institute's directorate.

Regulatory and legal support for the implementation of the principles of academic integrity of NTU "KhPI" is posted on the website: <http://blogs.kpi.kharkov.ua/v2/nv/akademichna-dobrochesnist/>

## Coordination

Approved

signature

**Department Chair**  
Oleksandr MANOILENKO

signature

**EP Guarantor**  
Tetiana NAZAROVA