

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
ХАРКІВСЬКИЙ НАЦІОНАЛЬНИЙ ЕКОНОМІЧНИЙ УНІВЕРСИТЕТ
ІМЕНІ СЕМЕНА КУЗНЕЦЯ



"ЗАТВЕРДЖУЮ"

Проректор з навчально-методичної роботи

Каріна ІІ МАШКАЛО

Дослідження та креативне мислення у фінансовій сфері

робоча програма навчальної дисципліни

Галузь знань
Спеціальність
Освітній рівень
Освітня програма

07 «Управління та адміністрування»
072 «Фінанси, банківська справа та страхування»
другий (магістерський)
«Банківська справа»

Статус дисципліни

обов'язкова

Мова викладання, навчання та оцінювання

англійська

Завідувач кафедри
банківської справи і фінансових послуг

Олег КОЛОДИЗОВ

Харків
2021

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
SIMON KUZNETS KHARKIV NATIONAL UNIVERSITY OF ECONOMICS



"APPROVED"

Vice-rector
for educational and methodical work

Karina MASHKALO

Research and creative thinking in finance

syllabus of the academic discipline

Field of knowledge	<i>07 Management and administration</i>
Specialty	<i>072 Finance, banking and insurance</i>
Education level	<i>second (master)</i>
Educational programs	<i>Banking</i>

Discipline status	<i>Compulsory</i>
Language of teaching, studying and assessment	<i>english</i>

Head of Banking
and Financial Services Department

Oleh KOLODIZIEV

APPROVED
at the meeting of Banking
and Financial Services Department
Protocol № 11 of August 30, 2021.

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**Sheet of renewal and re-approval
syllabus of the academic discipline**

Academic year	Date of the department meeting - developer of the syllabus	Protocol number	Sign of the Head of the department

Abstract of the educational discipline

According to the forecasts of the European Center for the Development of Vocational Education and Training “Skills forecast: trends and challenges to 2030”, there will be a reduction in job responsibilities related to manual labor and an increase in intellectual tasks, which will increase the number of professions requiring mental work. Such trends indicate the demand for highly professional specialists who are able to use and develop modern methods and tools for financial decision-making in conditions of poor predictability and incomplete information.

Future professionals in finance, banking and insurance must think creatively, develop new products and services, methods, processes, business models, so connection with scientific research, and the development of soft skills is important.

Studying the discipline “Research and creative thinking in finance” gives an opportunity to gain skills of logical and creative thinking, research, argumentation, techniques of innovative decision-making in finance. It provides the ability to critically analyze and evaluate existing ideas and synthesize new ones, to defend research results in the form of scientific articles, reports and other scientific papers.

The purpose of the discipline “Research and creative thinking in finance” is forming skills of modern research, development of innovative thinking, acquirement the tools of a creative approach to solving problems in the field of finance, banking and insurance.

Characteristics of educational discipline

Course	1M
Semester	1
Number of credits ECTS	3
Form of final control	<i>Pass</i>

Structural and logical scheme of studying the discipline

Prerequisites	Postrequisites
Philosophy	Financial management
Econometrics	Credit management
Statistics	Risk-management in banks
Finance	Project financing
Banking	Diploma thesis
Analysis of banks’ activities	

Competences and learning outcomes in the discipline

Competences	Learning outcomes
GC 1. Ability to abstract thinking, analysis and synthesis	LO 01. Use the fundamental laws of finance, banking and insurance in combination with research and management tools for professional and scientific activities
GC 3. Ability to conduct research at the appropriate level	LO 02. Know the latest concepts and methodologies of scientific knowledge in the field of finance, banking and insurance
SC 1. Ability to use the fundamentals of finance, banking and insurance in combination with research and management tools for professional and scientific activities	
GC 1. Ability to abstract thinking, analysis and synthesis	LO 03. Adapt and modify existing scientific approaches and methods to specific professional situations

GC 3. Ability to conduct research at the appropriate level	LO 04. Search, process, systematize and analyze information needed to solve professional and scientific problems in the field of finance, banking and insurance
SC 7. Ability to search, use and interpret information needed to solve professional and scientific problems in the field of finance, banking and insurance	
GC 2. Ability to communicate in a foreign language	LO 05. Fluently communicate in a foreign language on professional and scientific issues, present and discuss research results
GC 6. Interpersonal skills	
GC 8. Ability to work in an international context	
SC 5. Ability to assess the limits of their own professional competence and improve professional skills	
GC 3. Ability to conduct research at the appropriate level	LO 06. Present the results of research in a well-argued and clear way, participate in professional discussions
GC 6. Interpersonal skills	
GC 9. Ability to act on the basis of ethical considerations (motives)	LO 07. Solve ethical dilemmas based on law, ethical principles and universal values
SC 8. Ability to apply innovative approaches in finance, banking and insurance	LO 08. Be able to apply innovative approaches in the field of finance, banking and insurance and manage them
GC 5. Ability to make informed decisions	LO 14. To substantiate the relevance of research, the possibility of achieving the goals taking into account the available resources, to make hypotheses, to argue the conclusions of research results
SC 1. Ability to use the fundamentals of finance, banking and insurance in combination with research and management tools for professional and scientific activities	LO 15. Present the results of their own research, in particular, by preparing scientific publications and presentations at scientific events

The program of the educational discipline

Content module 1. Theoretical fundamentals of science and scientific activity

Topic 1. Theoretical basis of scientific research

Science as a system of knowledge. Classification of sciences. The main functions of science. Main categories of science: theory, fact, hypothesis, concept. Evolution of science. Scientific thinking. System elements of the topic of scientific research. Setting topic, problems, goals and objectives of scientific research. Relevance of the topic. Object and subject of scientific study.

Structural model of the domain. Types of research results. Reliability and validity of scientific results. The concept of a new scientific result. Diagram of the stakeholders.

Topic 2. Steps of the scientific method. Basic techniques to create ideas

Definition of scientific method. Steps of the scientific method: problem statement, observation, hypothesis formulation, experiment, analysis of results, conclusions, publication of results. Concepts and types of hypotheses. Theories and its types. Functions of theories. Strategies for testing theories and hypotheses. The role of hypotheses and theories in argumentation.

Topic 3. The technology of working with literature

The necessity of the study of scientific literature. Typology of scientific and technical information, the main types of publications. Methods and techniques of information search. A bibliography. Methods of study and treatment of references. Study books and articles. "Slow" and "quick" reading technologies. Principles of reading.

Types of analysis and memorization of information: abstract, summary, scientific abstracting, scientific review. Stages of the scientific literature. Citation.

Finding information in the Internet. Searching engines.

Content module 2. Technology of scientific research in finance

Topic 4. Techniques of qualitative research

Interviews as a popular form of data collection. Advantages and disadvantages of the interview. Types of questions. Types of interviews: structured, unstructured, mixed. Personal and group interview. Preparing for an interview. Interview rules.

Types of observations: participant and non-participant, systematic and non-systematic. Drawing up an observation program. Stages of observation. Advantages and disadvantages of observation.

Features of the case study method. Types of case studies. Case studies in finance. Action research, its stages.

Topic 5. Quantitative Research Design & Methods

Types of quantitative research. Experimental and non-experimental studies. Survey method. Components of the survey method: design, sampling, variables, data analysis. Compilation of the questionnaire. Rules for composing questions.

Answer formats: Likert scale, Semantic differential scale, Guttman scale.

Basics of measurement. Pollock's model. Units of analysis. Levels and scales of measurement: nominal, ordinal, interval, ratio. Ensuring the validity of research results.

Methods of establishing causal relations. Models and modeling – a tool of science. Stages of modeling. Types of models. Economic modeling. Requirements for models.

Topic 6. Writing a research paper and giving research presentations

Structural elements of a scientific article. Formulation of the title and content of the abstract. Components of the introduction: definition of the problem and its connection with important practical tasks, relevance of the problem, definition of the general problem to which the scientific article is devoted. Research question. Formulation of the purpose of the study. Rules for writing a literature review. Presentation of research results and conclusions. Making a list of used sources. Citation requirements.

Academic integrity in scientific activity Plagiarism in science: the reasons and preconditions for detection. Types and methods of plagiarism. Detection of plagiarism. Basic rules for the use of original texts, citations and links. Ways to prevent plagiarism.

The list of practical classes, as well as questions and tasks for independent work is given in the table "Rating-plan of the educational discipline".

Teaching and instruction methods

The main method of teaching the discipline is an explanatory-illustrative method, which is a tool for studying theoretical material, all lectures are presented in the form of presentations using Microsoft PowerPoint. Methods are also used to achieve competencies and learning outcomes: problem lectures (topic 6), mini-lectures (topic 2), presentations (topics 2, 5), work in small groups (topic 3), role-playing games (topic 4), introductory games (topic 2), mini-trainings (topic 5).

Assessment system of learning outcomes

Assessment of the results of the study of the educational discipline “Research and creative thinking in finance” is carried out on a cumulative (100-point) system assessment. Assessment is carried out on the following types of control:

current control – is carried out during the semester during the lectures and seminars and estimated by the amount of points scored (maximum score – 100 points, minimum score that allows the student to get credit – 60 points);

final/semester control – is conducted in the form of a semester credit in accordance with the schedule of the educational process.

Credit is set as the total amount of points, which were scored on the results of the current control.

Current control includes the assessment of students during:

Lectures – active classroom work (1 point for each lesson) provided that students participate at a lecture. The total number of points – 5.

The maximum number of points during *practical classes* is 32 points.

The forms of current assessment and methods of demonstrating learning outcomes of *individual work* can be:

reports on the research results – 25 points;

presentation – 10 points;

current control work – 8 points;

writing *colloquiums* – final tests of the course will get 20 points. The test consists of practical and test tasks on each topic and is evaluated with a maximum of 10 points.

The procedure for the current assessment of students' knowledge.

Assessment of student's knowledge during seminars, practical classes and individual tasks is carried out according to the following criteria:

- understanding, degree of assimilation of the theory and methodology of the problems under consideration; the degree of assimilation of the actual material of the discipline; acquaintance with the recommended literature, as well as contemporary literature on the issues under consideration; the ability to combine theory with practice when considering real situations in the process of performing individual tasks and tasks submitted for consideration in an audience;

- to generalize information and make conclusions; the ability to explain alternative views and the presence of their own point of view, the position on a certain problematic issue; application of analytical approaches; quality and clarity of reasoning; logic, structuring and substantiation of conclusions on a specific problem; independence of work; literacy of presentation of the material; use of comparison methods, generalizations of concepts and phenomena; registration of work.

The general criteria for evaluating individual work of students are: the depth and strength of knowledge, the level of thinking, the ability to systematize knowledge on specific topics, the ability to make sound conclusions, the possession of categorical apparatus, skills and techniques for the implementation of practical tasks, the ability to find the necessary information, carry out its systematization and processing, self-realization on practical and seminars.

The final/semester control. The student should be considered certified if the sum of the points earned on the results of the current control is equal to or exceeds 60. The student can not be considered certified if the sum of the points earned on the results of the current control is equal to 59 and less points.

The final grade is set according to the scale given in the table “Grade scale: national and ECTS”.

Forms of assessment and distribution of points are given in the table “Rating-plan of the educational discipline”.

Grade scale: national and ECTS

Total score on a 100-point scale	ECTS assessment scale	Assessment on the national scale	
		for exam, course project (work), practice, training	for pass
90 – 100	A	excellent	passed
82 – 89	B	good	
74 – 81	C		
64 – 73	D	satisfactory	
60 – 63	E		
35 – 59	FX	unsatisfactory	not passed

Rating-plan of the educational discipline

Topic	Forms and types of education		Forms of evaluation	Max points
Topic 1. Theoretical basis of scientific research	<i>Classroom work</i>			
	Lecture	Lecture on the topic questions: 1.1. The main functions of science. 1.2. Main categories of science: theory, fact, hypothesis, concept.	Work on lecture	
	Practice	Selecting a research topic for writing a scientific article and substantiating its relevance	Active work on practice	
	<i>Individual work</i>			
	Questions and tasks for the individual work	Elaboration of the lecture material, preparation for practice and presentation.	Checking readiness for practical classes	
Topic 2. Steps of the scientific method. Basic techniques to create ideas	<i>Classroom work</i>			
	Lecture	Lecture on the topic questions: 2.1. Steps of the scientific method. 2.2. Strategies for testing theories and hypotheses.	Participation in discussion	1
	Practice	Selecting a research topic for writing a scientific article and substantiating its relevance	Assignment assessment	6
	<i>Individual work</i>			
	Questions and tasks for the individual work	Elaboration of the lecture material, preparation for practice and presentation.	Checking readiness for practical classes	
Topic 3. The technology of working with literature	<i>Classroom work</i>			
	Lecture	Lecture on the topic questions: 3.1. Typology of scientific and technical information, the main types of publications. 3.2. Methods and techniques of information search.	Work on lecture	1
	Practice	Compiling a list of sources on the topic of research and their annotations	Assignment assessment	6
	Practice	Control work	Performing competency-oriented tasks	8
	Practice	Writing a literature review on the research topic	Assignment assessment	10

Topic	Forms and types of education		Forms of evaluation	Max points
	<i>Individual work</i>			
	Questions and tasks for the individual work	Elaboration of the lecture material, preparation for practice and presentation.	Checking readiness for practical classes	
Topic 4. Techniques of qualitative research	<i>Classroom work</i>			
	Lecture	Lecture on the topic questions: 4.1. Types of interviews: structured, unstructured, semi-structured. Preparing for an interview. 4.2. Types of observations: participant and non-participant, systematic and non-systematic. Types of case studies.	Participation in discussion	1
	Practice	Colloquium	Colloquium	10
	<i>Individual work</i>			
	Questions and tasks for the individual work	Elaboration of the lecture material, preparation for practice and presentation.	Checking readiness for practical classes	
Topic 5. Quantitative Research Design & Methods	<i>Classroom work</i>			
	Lecture	Lecture on the topic questions: 5.1. Types of quantitative research. Survey method. 5.2. Basics of measurement. Pollock's model. Units of analysis. Levels and scales of measurement. 5.3. Methods of establishing causal relations.	Participation in discussion	1
	Practice	Statement of a research question, formulation of research hypotheses, choice of research methods	Assignment assessment	10
	<i>Individual work</i>			
	Questions and tasks for the individual work	Elaboration of the lecture material, preparation for practice and presentation. Gathering material for writing a scientific article	Checking readiness for practical classes	
Topic 6. Writing a research paper and giving research presentations	<i>Classroom work</i>			
	Lecture	Lecture on the topic questions: 6.1. Writing a scientific article as a leading genre of scientific text 6.2. Academic integrity in research	Participation in discussion	1
	Practice	Writing a research paper	Individual task checking	25
	Practice	Presentation of research results	Defense of the presentation	10
	Practice	Colloquium	Colloquium	10
	<i>Individual work</i>			
Questions and tasks for the individual work	Preparing to colloquium	Checking readiness for colloquium		
Total maximum number of points for the discipline				100

Recommended books and resources

Main

1. Chmutova I. M. Reference lecture notes : Research and creative thinking in finance.
Access mode : <https://pns.hneu.edu.ua/course/view.php?id=7846>

2. Левітін Д. Структуроване мислення. Ясний розум в інформаційному хаосі. К.: Наш формат, 2020. 456 с.

Additional

3. Matthew J. Van Cleave. Introduction to Logic and Critical Thinking. 2016. Electronic book. 235 p.

4. Silvia P. J. How to write a lot: a practical guide to productive academic writing. Washington: American Psychological Association, 2018.

Information resources

5. Research and creative thinking in finance : course page on the PNS (Moodle platform) / Chmutova I. M. Access mode : <https://pns.hneu.edu.ua/course/view.php?id=7846>