



Syllabus of the educational component

Program of educational discipline



Risk management in the management decision-making system

Code and name of specialty
054 Sociology "

Institute

Educational and Scientific Institute of Social and Humanitarian Technologies

Educational program
Sociology of ensuring economic activity

Chair

Sociology and public administration (305)

Level of education
Master's degree

Type of discipline

Special (professional), Elective

Semester
2

Language of teaching

Ukrainian, English

Teachers, developers



Moroz Volodymyr Mykhailovych

volodymyr.moroz@khp.edu.ua

Doctor of Sciences in Public Administration, Professor, Head of the Department of Sociology and Public Administration

Professional experience - 33 years.

The author of 246 scientific and scientific-methodological publications, 7 of which were published in publications included in the Scopus and WoS scientometric databases. He completed an internship at the Regional Institute of Administration (Lille, France), the University of Tampere (Tampere, Finland) and the Baltic International Academy (Riga, Latvia). The author and organizer of several large-scale sociological studies (representatives of the scientific community of Latvia, Finland and China acted as co-organizers of the studies) on the issues of labor potential and the quality of higher education. Member of the specialized scientific council for the defense of dissertations at the level of Doctor of Sciences. Member of the expert group of the Ministry of Education and Culture of Ukraine on professional pedagogy, psychology and content of professional (vocational and technical) education. Member of editorial boards of three scientific publications, two of which have professional status. . Leading lecturer in the disciplines: "Risk management in the management decision-making system", "Methodology of the organization of scientific research and the method of writing scientific texts", "Globalization and national security policy".

[Learn more about the teacher on the department's website](http://web.kpi.kharkov.ua/sp/professors-ko-vikladats-kij-sklad)

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General information

Annotation

The educational discipline "Risk management in the management decision-making system" ensures the formation of integral (systemic) knowledge regarding the theory and practice of risk management;

disclosure of the dependence of the efficiency and effectiveness of organizational activities on the level of the manager's theoretical knowledge regarding the content of risk minimization mechanisms and the practice of their use; practice of forming primary risk management skills and minimizing the likelihood of their occurrence.

Purpose and goals disciplines

The purpose of teaching the academic discipline "Risk management in the management decision-making system" is to provide students with a coherent and logically consistent system of knowledge regarding the theory and practice of risk management; to reveal the dependence of the efficiency and effectiveness of organizational activities on the manager's theoretical knowledge regarding the content of risk minimization mechanisms and the practice of their use; formation of primary risk management skills and minimizing the likelihood of their occurrence.

Format of classes

Lectures, practical classes, seminars, independent work, consultations. The final control is a credit test .

Competences

ZK01. Ability to abstract thinking, analysis and synthesis.

ZK02. Ability to work autonomously .

ZK03. Ability to communicate with representatives of other professional groups at different levels (with experts from other fields of knowledge/types of economic activity).

ZK06. Ability to make informed decisions.

Learning outcomes

PR03. Develop and implement social and interdisciplinary projects taking into account social, economic, legal, environmental and other aspects of public life.

PR04. Apply scientific knowledge, sociological and statistical methods, digital technologies, specialized software to solve complex problems of sociology and related fields of knowledge.

PR10. To develop applied projects on the motivation of employees in institutions of an economic profile.

Scope of the discipline

The total volume of the discipline is 1 2 0 hours. (4 ECTS credits): lectures – 32 hours, practical work – 16 hours, independent work – 72 hours.

Prerequisites for studying the discipline (prerequisites)

"Philosophy of economic activity", "Internet research of economic activity".

Features of the discipline, methods and technologies of education

During the lecture classes on the academic discipline, it is provided application of the following teaching methods: explanatory -illustrative method (demonstration of presentation slides, visualization of educational material on the screen); problem presentation method; partial search, or heuristic method (lectures on individual topics are taught in a problem-based format) During seminar classes, the following is used: reproductive method (learning the basic concepts of the course); partially search or heuristic method (during the preparation of individual projects); research method (students independently study literature, sources, conduct research, measurements and perform other search actions to create a presentation on a given topic). Seminar classes can be structured in the form of a discussion.

Program of educational discipline

Topics of lectures

TOPIC 1. INTRODUCTION TO THE EDUCATIONAL DISCIPLINE "RISK MANAGEMENT"

Basic risk functions. Factors that determine danger and uncertainty. Main risk factors. General description of the content of the old and new paradigms of risk management. Formulation of the content of the category of

uncertainty and the main reasons for its occurrence. The evolution of changes in the content of the risk category according to the stages of human development. The fundamental difference between a risky situation and a situation with a high level of uncertainty. Consequences that can lead to a situation with a high level of uncertainty

TOPIC 2. RISKS AND ORGANIZATION: THE DIALECTIC OF UNITY AND CONTRADICTORY PHENOMENA

The multifaceted manifestation of the categorical content of risk. The evolution of risk management and a general description of the stages of its development. Basic approaches to risk classification. Classification of corporation risks. General classification of risks by consequences. Classification of risks depending on their impact on results. Classification of risks in the context of areas of professional activity of the organization

TOPIC 3. PROJECT RISKS AND THEIR CLASSIFICATION

Functional orientation of classification (purpose and main approaches to structuring). The main risks that arise during work on the project. The main types of risk classification. Comparative characteristics of dynamic and static risks.

TOPIC 4. INTELLIGENCE AND CONTENT OF RISK MANAGEMENT

Approaches to defining the object of risk management. General characteristics of the risk management system. Characteristics of risk management. The main ways and methods of risk management.)

TOPIC 5. CONCEPTS OF RISK MINIMIZATION AND TOLERABLE RISK

General characteristics of risk management methods (the concept of risk minimization; the concept of acceptable risk; risk as a resource). Characteristics of economic risks through the prism of the concept of acceptable risk. Reasons that determine the conceptualization of acceptable risk within the framework of a separate concept of the theory of economic risk.

TOPIC 6. FEATURES OF RISK MANAGEMENT IN THE MODERN ORGANIZATION

The structure of the risk management unit in the organization (risk management subjects and their functional powers). Responsibilities of risk management (on the example of a foreign company). Types of risk management documentation and a general description of the content of individual documents. General characteristics of the content of the risk management declaration. General characteristics of the content of the risk management guidelines. General characteristics of the content of the risk management program and its structure. Characteristics of risk management as a type of professional activity

TOPIC 7. RISK MANAGEMENT PROGRAM IN THE ORGANIZATION

Content of the procedure for establishing the risk context. Contents of the procedure for identifying risk factors and their main sources. Competence of expert interview and document analysis to form the information base of risk management. Methods of obtaining information in the risk management system. Potentials of the loss classification method for risk management. Classification of exposure risks.

TOPIC 8. RISK MANAGEMENT TOOLS

Classification of project risk management tools. General characteristics of the content of the directions of influence on the risk (reduction, preservation, transfer). Characteristics of risk diversification directions. Characteristics of risk management methods (avoidance, localization, dissipation, compensation). Characteristics of risk absorption tools.

TOPIC 9. STAGES OF RISK MANAGEMENT PROGRAM IMPLEMENTATION IN THE ORGANIZATION

Risk management entities and their competence regarding risk management measures. General characteristics of the elements of the risk management system. Development and adoption of a risk management scheme. Participation of the organization's top management in the implementation of risk management measures. Adopting a risk response strategy. Establishing responsibility for implementing risk management in the organization. Definition (personalization) of risk management subjects.

TOPIC 10. RISK ANALYSIS: CONTENT AND BASIC TOOLS

The main problems in evaluating the effectiveness of the project. Methods used to analyze project risks and assess its sustainability. Approaches to the analysis of project risks (methods of qualitative and quantitative assessment). General characteristics of project risk analysis methods (expert assessment; SWOT analysis; rose (star) and spiral of risks; conservative forecasting; interest rate taking risks into account; method of critical values). Sources of obtaining information for identifying risks. Characteristics of the toolkit of the expert evaluation method: sections of the questionnaire and the algorithm of the expert evaluation procedure. The main issues of SWOT analysis and its structure.

TOPIC 11. OPERATIONAL RISK MANAGEMENT

General characteristics of operational risks. Characterization of risks related to personnel. Characteristics of systemic risks. Characteristics of procedural risks. Stages of operational risk management: action and its specification.

TOPIC 12. INNOVATION PROJECT AS AN OBJECT OF RISK MANAGEMENT

General characteristics of innovative activities and innovative projects. Risks associated with internal and external factors of development of the innovative sphere. Innovation classification models and characteristics of their content.

TOPIC 13. RISK MANAGEMENT AND MARKETING ACTIVITIES

Risk management and marketing: the dialectic of unity and contradiction. Marketing risks and their general classification. General characteristics of errors that occur when conducting marketing research (sampling error and systematic errors). Stages of risk identification and description of their content.

TOPIC 14. RISK MANAGEMENT TECHNOLOGY

Risk management strategy: content and features of use. Characteristics of risk planning processes and their main stages. Content of the conceptual model of risk planning. Integral risks and methods of their reduction.

Topics of practical classes

TOPIC 1. INTRODUCTION TO THE EDUCATIONAL DISCIPLINE "RISK MANAGEMENT"

Views of R. Boulton and B. Liebert on the place and role of risk in entrepreneurial activity. Approaches to the formulation of the categorical meaning of the definition of risk (in the context of the views of G.S. Panova, E.S. Stoyanova, B.Z. Milner; I.O. Blank)

TOPIC 2. RISKS AND ORGANIZATION: THE DIALECTIC OF UNITY AND CONTRADICTORY PHENOMENA

Risk category in the context of the content of normative legal acts of Ukraine. The theory of risk in the context of the views of the founders and representatives of the classical and neoclassical schools of political economy.

TOPIC 3. PROJECT RISKS AND THEIR CLASSIFICATION

Characteristics of the risk of loss of control. General characteristics of project risks. Responsibility of the organization's top management for risk management.

TOPIC 4. INTELLIGENCE AND CONTENT OF RISK MANAGEMENT

Subjects of risk management at each stage of the management process. The main stages of the formation of the risk management system in the organization and their general characteristics (on the example of the stage of formation of the risk management system)

TOPIC 5. CONCEPTS OF RISK MINIMIZATION AND TOLERABLE RISK

Disadvantages and advantages of the concept of acceptable risk. The main signs of the possibility of using the concept of risk as a resource for managing resource-like risks. General characteristics of common risks.

TOPIC 6. FEATURES OF RISK MANAGEMENT IN THE MODERN ORGANIZATION

The content of risk management in the context of narrow and broad approaches to its formulation. Principles of project risk management. The main stages of risk management: description of content and sequence of execution. The structure of risk management activity and the authority of the risk manager within its limits. Typical content of a risk management report. Regulations on risk management: basic principles and content.

TOPIC 7. RISK MANAGEMENT PROGRAM IN THE ORGANIZATION

The sequence of risk management procedures in the context of the content of the AS/NZS Risk standard Management Standard 4360:1999. General characteristics of the content of management decisions depending on the type and characteristics of risks. General characteristics of the content and features of using the risk avoidance method. General characteristics of the content and features of the use of the risk-taking method. General characteristics of the content and features of using the loss prevention method. General description of the content and features of the use of the method of reducing the amount of losses. General characteristics of the content and features of using the insurance method. General characteristics of the content and features of using the self-insurance method.

TOPIC 8. RISK MANAGEMENT TOOLS

Tools for prevention and control of project risks. Project risk management tools. Risk management tools depending on the stage (phase) of project implementation.

TOPIC 9. STAGES OF RISK MANAGEMENT PROGRAM IMPLEMENTATION IN THE ORGANIZATION

Communication and training as an element of the process of implementing the principles of risk management in the organization. Introduction of risk culture as an element of the process of implementing the principles of risk management in the organization.

TOPIC 10. RISK ANALYSIS: CONTENT AND BASIC TOOLS

Potentials of the Delphi method for risk management. Potentials of the peer project method for risk management. Potentials of "fishbone" and "problem tree" methods for risk management. Potentials of the

direct inspection method for risk management. Potentials of the event tree construction method for risk management. Potentials of the "event-consequence" method for risk management.

TOPIC 11. OPERATIONAL RISK MANAGEMENT

The method of structural diagrams as a tool for identifying operational risks. The flow map method as a tool for identifying operational risks. The "event-consequence" method as a tool for identifying operational risks. The method of financial and management reporting analysis as a tool for identifying operational risks.

TOPIC 12. INNOVATION PROJECT AS AN OBJECT OF RISK MANAGEMENT

Venture projects as objects of risk management. Characteristics of venture entrepreneurship and the main methods of its state regulation. Features of risk management of innovative activity.

TOPIC 13. RISK MANAGEMENT AND MARKETING ACTIVITIES

The concept of perceived risk: content and features of use in management activities. The purpose of marketing activity in the context of the content of risk management procedures. Methods of marketing research and characteristics of risk perception by the buyer of goods (services).

TOPIC 14. RISK MANAGEMENT TECHNOLOGY

Risk avoidance strategy: content and features of use. Risk-taking strategy: content and features of use. Strategy for reducing possible losses: content and features of use. Risk transfer strategy: content and features of use.

Topics of laboratory work

Laboratory work within the discipline is not provided.

Independent work

Within the thematic direction of the content of the academic discipline, each student is invited to complete individual tasks (abstracts). The topic of individual tasks is consistent with teacher, taking into account the educational (scientific) interests of everyone specific listener. In addition, each student must prepare theses reports for participation in the work of a scientific and communicative event or a manuscript scientific article. The thematic orientation of the manuscript of a scientific work should correspond to the content one of the educational disciplines provided for in the educational and professional program.

Literature and educational materials

Basic literature

1. Moroz V.M. Personnel management: general part: text of lectures. – In 2 parts – Part 1: Personnel system of the organization: content and peculiarities of formation / V.M. Frost. - Kharkiv: NTU "KhPI", 2016. - 122 p.
2. Moroz V.M. Personnel management: general part: text of lectures. - In 2 parts - Part 2: Theories of personnel management: evolution and development of content / V.M. Frost. - Kharkiv: NTU "KhPI", 2016. - 140 p.
3. Moroz V.M. Competitiveness and labor potential of a social object: dialectic of relationship and development of content: education . help / V.M. Moroz, S.A. Frost. – Kharkiv: NTU "KhPI", 2016. – 130 p.

Additional literature

4. Starostina A.O. Risk management: theory and practice: training . help / A.O. Starostina , V.A. Kravchenko. - K.: IVC " Politechnic Publishing House", 2004. - 200 p.
5. Andriychuk V. Management: decision-making and risk: ed . manual / V. Andriychuk, L. Bauer. - K.: KNEU, 1998. - 316 p.
6. Dubrovin V.I. Decision-making in the process of project risk management: study guide / V.I. Dubrovin , V.M. Lyovkin . – Zaporizhzhia: ZNTU, 2012. – 196 p.
7. Ivchenko I.Yu. Economic risks: study guide / I.Yu. Ivchenko. - K.: Center of Educational Literature, 2004. - 304 p.
8. Pisarevskiy I.M. Risk management: training . manual / I.M. Pisarevskiy , O.D. Steshenko – Kharkiv: KhNAMG, 2008. – 124 p.
9. I.M. Posokhov Risk management in entrepreneurship: a study guide \ I.M. Postohov . - Kharkiv: NTU "KhPI", 2015. - 220 c.

Evaluation system

Criteria for evaluating student performance and distribution of points

Points are awarded according to the following ratio:

- current testing: 35% of the semester grade;
- independent work in the form of writing an essay (15%) and performing other individual tasks (10%);
- credit test : 40% of the semester grade

Rating scale

Total points	National rating	ECTS
90–100	Perfectly	A
82–89	Good	B
75–81	Good	C
64–74	Satisfactorily	D
60–63	Satisfactorily	E
35–59	Unsatisfactory (requires further study)	FX
1–34	Unsatisfactorily (re-study required)	F

Norms of academic ethics and policy of the course

The student must adhere to the Code of Ethics of Academic Relations and Integrity of NTU "Khpi": show discipline, education, 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

Syllabus agreed

Date of approval, signature

Head of the department
Volodymyr MOROZ

28/06/24

Date of approval, signature

Guarantor OP
Nadiia SHANIDZE

27/08/2024