

Al-Faraby Kazakh National University
Higher School of Economics and Business
Department of Management

**PROGRAMM AND
METHODICAL RECOMMENDATIONS FOR RUNNING OF
FINAL EXAM IN DISCIPLINE**

ORGANIZATION AND PLANNING OF SCIENTIFIC RESEARCH

EDUCATIONAL PROGRAM «Logistics», «State and Local government», " Finance "
«Accounting», Management, Marketing, Digital Economic, International Logistic,
Project Management, Innovation Management

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Department of Management
(Ф.И.О., ученая степень, ученое звание, должность)

The program of methodical recommendations for the final exam in the discipline " Organization and planning of scientific research " were considered and approved at a meeting of the department " Management "

Protocol № 4 _ from «15 » October 2024

Introduction

Based on the results of training in 15 weeks, the final exam is carried out in the form of an oral exam. The exam is designed to test students' knowledge of the course, analytical skills and judgment on difficult issues and problem solving.

The process of passing an oral exam for a graduate student involves the creation of examination tickets, to which the graduate student must give an oral answer.

The exam is conducted in the form of an offline written exam

Number of questions in tickets - 3

Highest score - 100

The exam lasts 1 hour.

Exam schedule according to the schedule in the university system.

Examination control is carried out through the presence of an observer

Program of Exam for Discipline

« Organization and planning of scientific research »

- 1) Methodological foundations of scientific research
- 2) Search, collection and processing of the literature
- 3) The goal and tasks of scientific research. Construction of hypotheses
- 4) Formation of the steps of the research
- 5) Research methods and scientific approaches of their application
- 6) Quantitative methods in scientific research.
- 7) Mathematical statistical methods of data analysis.
- 8) Quantitative expert methods
- 9) Qualitative research methods
- 10) Quantitative expert research method
- 11) Construction of the research results

During the exam, students must be able to:

- demonstrate the acquired knowledge in the main categories of Scientific Research;
- describe an understanding of the general structure of the field of study and the links between theoretical foundations and modern practice of Scientific Research;
- analyze the forms of Scientific Research;
- use knowledge on the most important methods and instruments to conduct Scientific Research.
- answer will be graded according to "CRITERIA EVALUATION OF LEARNING OUTCOMES "

Program Questions of Exam for Discipline

What is Research Methodology
Purpose and tasks of Research Methodology
Content and meaning of Research Methodology
What is a Literature review
Methods, Purpose and tasks of Literature review
The goal and tasks of scientific research.
Construction of hypotheses
Rule of the steps in the research
Formation of the steps of the research
What are Research methods
Types of Research methods and scientific approaches
Features of the application of basic methods in research
The main differences between methods in economic research
The rule of Quantitative methods in scientific research.
Types of Quantitative methods in scientific research and their differences
Features of the application of Quantitative methods in scientific research
The rule of Mathematical statistical methods of data analysis.
Types of Mathematical statistical methods in scientific research
Features of the application of Mathematical statistical methods in scientific research
Features of the collection of Data in economic research
The rule of Qualitative research methods in scientific research
Types of Qualitative research methods in scientific research
Features of the application of Qualitative research methods in scientific research
The rule of Quantitative expert research methods in scientific research
Types of Quantitative expert research methods in scientific research
Features of the application of Quantitative expert research methods in scientific research
The main differences between Qualitative research method and Quantitative expert research methods in scientific research
Basic approaches to writing a scientific article
Basic rules for writing and formatting dissertations

Recommended references for preparation to final exam:

1. Research Methods training Manual Compiled and Edited by Ran Greenstein Written by: Benjamin Roberts (HSRC) Ari Sitas (University of Natal) Ran Greenstein (University of the Witwatersrand), 2018
2. Ponomarev A, Pikuleva E. Methodology of scientific research. - Ed. 2nd, - Moscow: 2017.-185 p.
3. Korotkina A. Academic writing: process, product and practice Textbook for universities. 2018 - 50 p.
4. Kapterev A. Presentation Mastery: How to Create Presentations That Can Change the World - 2017
5. World Bank. Global Economic Prospects, June 2020 / <https://openknowledge.worldbank.org/handle/10986/33748>
6. Open knowledge repository of World Bank. Policy Research Working Papers, 2020 / <https://openknowledge.worldbank.org/handle/10986/9>
7. DEVELOPMENT PROGRAM OF NON-PROFIT JOINT STOCK COMPANY "KAZAKH NATIONAL UNIVERSITY NAMED AFTER AL-FARABI" FOR 2022 - 2026
8. The Law of the Republic of Kazakhstan “ENTREPRENEURIAL CODE OF THE REPUBLIC OF KAZAKHSTAN (with amendments and additions as of 09/12/2022)”.
9. The Law of the Republic of Kazakhstan dated May 13, 2003 No. 415-II About Joint Stock Companies”.
10. Message of the Head of State Kassym-Jomart Tokayev to the people of Kazakhstan. THE UNITY OF THE PEOPLE AND SYSTEMIC REFORMS ARE A STRONG BASIS FOR PROSPERITY OF THE COUNTRY. dated September 1, 2022
11. The state program of industrial and innovative development of the Republic of Kazakhstan, approved by Decree of the President of the Republic of Kazakhstan No. 874.
12. State program "Digital Kazakhstan"
13. The Law of the Republic of Kazakhstan “On the public service of the Republic of Kazakhstan» dated November 23, 2015 No. 416-V ZRK.
- 14 Amankeldi N. Svyatov S., A.Adambekova The Realization of Academic Freedom as the Basis of Assurance of Higher Education Quality. IJEFI-EconJ - International Journal of Economics and Financial Issues (ISSN21464138-Turkey-Scopus), 2015.-№5, 80-88p ИФ-0,15 **Scopus indexed Journals**
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CRITERIA EVALUATION OF LEARNING OUTCOMES

Discipline: “Organization and planning of scientific research.” Form: Written Exam. Platform: Univer

| Criteria/score | Descriptors | | | | |
|--|---|---|---|---|---|
| | Excellent | Good | Satisfactory | Unsatisfactory | |
| | 90–100% (27-30 points) | 70–89% (21-26 points) | 50–69% (15-20 points) | 25–49% (8-14 points) | 0–24% (0-7 points) |
| Knowledge and understanding of course theory and concepts | An “excellent” grade is given for an answer that contains a comprehensive disclosure of all three questions (within the limits of acquired knowledge), a detailed argumentation for each conclusion and statement, is constructed logically and consistently, and is supported by examples from the developed classroom topics. | A “good” rating is given for an answer that contains a complete but not exhaustive coverage of all issues, an abbreviated argumentation of the main points, and allows for a violation of the logic and sequence of presentation of the material. The answer contains stylistic errors and inaccurate use of terms. | A “satisfactory” rating is given for an answer that contains incomplete coverage of the questions proposed in the ticket, superficially argues the main points, allows compositional imbalances in the presentation, violations of the logic and sequence of presentation of the material, and does not illustrate theoretical points with examples from the developed class notes. | Incorrect coverage of the questions posed, erroneous argumentation, factual and verbal errors, assumption of an incorrect conclusion. Ignorance of basic concepts, theories...; | Violation of the Rules for final control. |
| Application of the selected methodology and technology to specific practical tasks | Complete completion of the educational assignment, a detailed, reasoned answer to the question posed, | Partial completion of the educational assignment, incomplete, sometimes reasoned answer to the question posed with an incomplete solution to the practical problems of | The material is presented in fragments, in violation of logical sequence, factual and semantic inaccuracies are made, and theoretical knowledge of the course is used superficially. | An irrational method of solving a task or an insufficiently thought-out answer plan; inability to solve problems, perform tasks in | Inability to apply knowledge and algorithms to solve tasks; inability to draw |

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|---|--|---|---|---|--|
| | followed by solving practical problems of the course; | the course; illiterate use of scientific language norms in the course; | | general; making mistakes and omissions that exceeds the norm. | conclusions and generalizations. Violation of the Rules for final control. |
| Evaluating and analyzing the applicability of the chosen methodology to the proposed practical task, justifying the result obtained | Consistent, logical and correct justification of scientific principles and the applied methodology and technology, literacy, compliance with the norms of scientific language, 1-2 inaccuracies in the presentation of the material are allowed that do not affect the generally correct conclusions (+ visualization of the results of the justification through graphical data). | 3-4 inaccuracies in the use of conceptual material, minor errors in generalizations and conclusions are allowed, which do not affect the good overall level of task completion. | Conclusions on the applicability of substantiated scientific provisions are vague and unconvincing; there are stylistic and grammatical errors, as well as inaccuracies in processing the results of a practical solution | The task was completed with gross errors, the answers to the questions were incomplete, the conceptual material and argumentation were poorly used. | The task has not been completed, there are no answers to the questions posed, materials and analysis tools have not been used. Violation of the Rules for Conducting Final Control |

Exam tickets consist of 3 questions. A maximum of 100 points for correctly completed tasks, including 40 points for the first question, 30 points for the second question, and 30 points for the third question.