**KAZAKH NATIONAL UNIVERSITY NAMED AFTER AL-FARABI**

**HIGHER SCHOOL OF ECONOMICS AND BUSINESS**

**DEPARTMENT "MANAGEMENT"**

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|  | **APPROVE:****Dean of the Higher School****economy and business****\_\_\_\_\_\_\_\_\_\_\_\_ Bimendieva L.A.****"\_\_\_\_"\_\_\_\_\_\_ 2023, protocol No. \_\_\_\_** |

**EDUCATIONAL AND METHODOLOGICAL COMPLEX OF THE DISCIPLINE**

**ID 90630 “Organization and planning of scientific research”**

**on the educational program «Logistics», «State and Local government», " Finance " «Accounting», Management, Marketing, Digital Economic, International Logistic**

Course - 1

Semester - 1

Number of credits - 6

Аlmaty – 2023

The teaching materials for the discipline Financial management”" were compiled by Doctor of Economics, Professor Adambekova A.A.

Based on the curriculum for the educational program all programs of HSEB

Reviewed and recommended at a meeting of the Department of Management

dated "\_\_\_\_"\_\_\_\_\_\_\_\_\_\_\_2023, protocol No. \_\_\_\_\_

Head department "Management"

Doctor of Economics, Professor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A.N. Turginbaeva

**SYLLABUS**

**Fall semester 2023-2024 academic year**

**on the educational program «Logistics», «State and Local government», " Finance " «Accounting», Management, Marketing, Digital Economic, International Logistic**

**1 course**

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| **ID** **and name** **of course** | **Independent work** **of the master’s student****(IWMS)** | **Number of credits** | **General****number** **of credits** | **Independent work** **of the master’s student****under the guidance** **of a teacher (IWMST)** |
| **Lectures (L)** | **Practical classes (PC)** | **Lab. classes (LC)** |
| **ID 90630** “Organization and planning of scientific research” | 2 | 30 | 30 | - | 6 | 7 |
| **ACADEMIC INFORMATION ABOUT THE COURSE** |
| **Learning Format** | **Cycle,****component** | **Lecture** **types** | **Types** **of practical classes** | **Form and platform final control** |
| *Offline* | MD  | problematic,informational,binary,lecture-conference | Writing scientific papers, conducting research, solving problems,situational tasks | Written Exam in Univer |
| **Lecturer - (s)** | Adambekova Ainagul Amangeldinovna. D.e.s. professor |
| **e-mail :** | ainagul.adambekova@kaznu.edu.kz |
| **Phone :** | 87077710724 |
| **ACADEMIC COURSE PRESENTATION** |
| **Purpose****of the course** | **Expected Learning Outcomes (LO)** As a result of studying the discipline the student will be able to | **Indicators of LO achievement (ID)** |
| to form the ability of doctoral students to deepen a systemic understanding of the characteristics of scientific research, practical skills about research methods, skills in research and writing scientific papers | LO 1 Apply knowledge on conducting scientific research, systems for collecting and analyzing scientific information, processing, preparing scientific research and works; | 1.1 Uses a system of knowledge about the concepts of training and Ideas’ about scientific research;1.2 Explain and apply the techniques and methods of scientific research1.3 Performs groupingscientific knowledge, information and research results for the formation of scientific problems and works;1.4 Applies the methods of scientific research and reflects them in scientific works; |
| LO2 Solve scientific problems using the example of specific situations with the aim of their subsequent reflection in scientific research works | 2.1 Discloses the procedure for conducting scientific research and obtaining scientific results2.2 Determines the methods of conducting scientific research and obtaining scientific results,2.3 Discloses information in the direction of the research topic |
| LO 3 Apply research methods, identify methods, evaluate information and scientific results reflected in research papers | 3.1 Explain the research methodology3.2 Determines the objects of scientific research3.3 Applies quantitative and qualitative research methods3.4 Determines the research problem and how to justify it3.5 Forms a report on the research |
| LO 4 Collect and interpret information sources to classify and define research issues | 4.1 Explain the research methodology4.2 Identifies and classifies sources of information4.3 Calculates and reflects the analysis of research results.4.4 Calculates and justifies research results;4.5 Calculates formulas and models on the topic of scientific research |
| LO 5 Compile and present an analysis of the results of research activities | 5.1 Explain and apply the research technique and methodology5.2 Explains the content and purpose of the formation of a research topic;5.3 Reflect changes in the results of research work;5.4 Calculate formulas and models in the research area5.5 Reflects the results of the research5.6 Corrects the results of scientific research. |
| **Prerequisites** |  |
| **Post requisites** | Major Courses |
| **Learning Resources** | **Literature:\*\***Main: 1. Ponomarev A, Pikuleva E. Methodology of scientific research. - Ed. 2nd, - Moscow: 2017.-185 p.2. Korotkina A. Academic writing: process, product and practice Textbook for universities. 2018 - 50 p.3. Kapterev A. Presentation Mastery: How to Create Presentations That Can Change the World - 20171. DEVELOPMENT PROGRAM OF NON-PROFIT JOINT STOCK COMPANY "KAZAKH NATIONAL UNIVERSITY NAMED AFTER AL-FARABI" FOR 2022 – 2026
2. 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

Additional:1. [Ability to Use Flexible Project Management in the Hotel Business](https://www.scopus.com/record/display.uri?eid=2-s2.0-85084093724&origin=resultslist&sort=plf-f) [Turginbayeva, A.](https://www.scopus.com/authid/detail.uri?authorId=56530851700), [Nurseitova, G.](https://www.scopus.com/authid/detail.uri?authorId=57205416854), [Zhakupbekova, G.](https://www.scopus.com/authid/detail.uri?authorId=57216621312), [Doszhanov, K.](https://www.scopus.com/authid/detail.uri?authorId=57216620692), [Konysbay, A.](https://www.scopus.com/authid/detail.uri?authorId=57216615147) E3S Web of Conferences, 2020, 159, 04009

[Modern Economic and Logistical Trends in Eurasia: How Do New Trans-Eurasian Mega-Projects Influent to National Economic Growth](https://www.scopus.com/record/display.uri?eid=2-s2.0-85084051947&origin=resultslist&sort=plf-f) [Audonin, A.](https://www.scopus.com/authid/detail.uri?authorId=57216612771), [Turginbayeva, A.](https://www.scopus.com/authid/detail.uri?authorId=56530851700), [Askerov, A.](https://www.scopus.com/authid/detail.uri?authorId=57205547007), [Yergobek, D.](https://www.scopus.com/authid/detail.uri?authorId=57216620199) E3S Web of Conferences, 2020, 159, 06009**Research infrastructure**1 MS Excel**Professional scientific databases**1https://www.scopus.com/2 https://www.elsevier.com/3 https://access.clarivate.com/**Internet resources** 1. <http://elibrary.kaznu.kz/ru>2 [https://ru.coursera.org/](https://ru.coursera.org/lecture/krid/konkurientosposobnost-tovarov-i-uslugh-na-rynkie-chast-2-Ae3PE) 3 <https://be.kaznu.kz/>4 https://vestnik.turan-edu.kz/ |

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| **Academic****course policy** | The academic policy of the course is determined by [the Academic Policy](https://univer.kaznu.kz/Content/instructions/%D0%90%D0%BA%D0%B0%D0%B4%D0%B5%D0%BC%D0%B8%D1%87%D0%B5%D1%81%D0%BA%D0%B0%D1%8F%20%D0%BF%D0%BE%D0%BB%D0%B8%D1%82%D0%B8%D0%BA%D0%B0.pdf) and [the Policy of Academic Integrity of Al-Farabi Kazakh National University .](https://univer.kaznu.kz/Content/instructions/%D0%9F%D0%BE%D0%BB%D0%B8%D1%82%D0%B8%D0%BA%D0%B0%20%D0%B0%D0%BA%D0%B0%D0%B4%D0%B5%D0%BC%D0%B8%D1%87%D0%B5%D1%81%D0%BA%D0%BE%D0%B9%20%D1%87%D0%B5%D1%81%D1%82%D0%BD%D0%BE%D1%81%D1%82%D0%B8.pdf) Documents are available on the main page of IS Univer .**Integration of science and education.** The research work of students, undergraduates and doctoral students is a deepening of the educational process. It is organized directly at the departments, laboratories, scientific and design departments of the university, in student scientific and technical associations. Independent work of students at all levels of education is aimed at developing research skills and competencies based on obtaining new knowledge using modern research and information technologies. A research university teacher integrates the results of scientific activities into the topics of lectures and seminars (practical) classes, laboratory classes and into the tasks of the IWST, IWS, which are reflected in the syllabus and are responsible for the relevance of the topics of training sessions andassignments.**Attendance.** The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the course. Failure to meet deadlines results in loss of points.**Аcademic honesty.** Practical/laboratory classes, IWS develop the student's independence, critical thinking, and creativity. Plagiarism, forgery, the use of cheat sheets, cheating at all stages of completing tasks are unacceptable.Compliance with academic honesty during the period of theoretical training and at exams, in addition to the main policies, is regulated by [the "Rules for the final control"](https://univer.kaznu.kz/Content/instructions/%D0%9F%D1%80%D0%B0%D0%B2%D0%B8%D0%BB%D0%B0%20%D0%BF%D1%80%D0%BE%D0%B2%D0%B5%D0%B4%D0%B5%D0%BD%D0%B8%D1%8F%20%D0%B8%D1%82%D0%BE%D0%B3%D0%BE%D0%B2%D0%BE%D0%B3%D0%BE%20%D0%BA%D0%BE%D0%BD%D1%82%D1%80%D0%BE%D0%BB%D1%8F%20%D0%9B%D0%AD%D0%A1%202022-2023%20%D1%83%D1%87%D0%B3%D0%BE%D0%B4%20%D1%80%D1%83%D1%81%D1%8F%D0%B7%D1%8B%D0%BA%D0%B5.pdf) , ["Instructions for the final control of the autumn / spring semester of the current academic year"](https://univer.kaznu.kz/Content/instructions/%D0%98%D0%BD%D1%81%D1%82%D1%80%D1%83%D0%BA%D1%86%D0%B8%D1%8F%20%D0%B4%D0%BB%D1%8F%20%D0%B8%D1%82%D0%BE%D0%B3%D0%BE%D0%B2%D0%BE%D0%B3%D0%BE%20%D0%BA%D0%BE%D0%BD%D1%82%D1%80%D0%BE%D0%BB%D1%8F%20%D0%B2%D0%B5%D1%81%D0%B5%D0%BD%D0%BD%D0%B5%D0%B3%D0%BE%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80%D0%B0%202022-2023.pdf) , "Regulations on checking students' text documents for borrowings".Documents are available on the main page of IS Univer .**Basic principles of inclusive education.** The educational environment of the university is conceived as a safe place where there is always support and equal attitude from the teacher to all students and students to each other, regardless of gender, race / ethnicity, religious beliefs, socio-economic status, physical health of the student, etc. All people need the support and friendship of peers and fellow students. For all students, progress is more about what they can do than what they can't. Diversity enhances all aspects of life.All students, especially those with disabilities, can receive counseling assistance by phone / e- mail ainagul.adambekova@kaznu.edu.kzor via video link in MS Teams https://teams.microsoft.com/l/channel/19%3a-Amrr2N8exlkOGY6iHpF51p18\_MFziRU-cFMJA9p-Ok1%40thread.tacv2/%25D0%259E%25D0%25B1%25D1%2589%25D0%25B8%25D0%25B9?groupId=5a7ec4c8-d3e7-469d-8fe3-620cd2111024&tenantId=b0ab71a5-75b1-4d65-81f7-f479b4978d7b**Integration MOOC (massive open online course).** In the case of integrating MOOC into the course, all students need to register for MOOC. The deadlines for passing MOOC modules must be strictly observed in accordance with the course study schedule. **ATTENTION!** The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the course, as well as in the MOOC. Failure to meet deadlines results in loss of points. |
| **INFORMATION ABOUT TEACHING, LEARNING AND ASSESSMENT** |
| **Score-rating letter system of assessment of accounting for educational achievements** | **Assessment Methods** |
| **Grade** | **Digital****equivalent****points** | **points,****% content** | **Assessment according to the traditional system** | **Criteria-based assessment** is the process of correlating actual learning outcomes with expected learning outcomes based on clearly defined criteria. Based on formative and summative assessment.**Formative assessment is** a type of assessment that is carried out in the course of daily learning activities. It is the current measure of progress. Provides an operational relationship between the student and the teacher. It allows you to determine the capabilities of the student, identify difficulties, help achieve the best results, timely correct the educational process for the teacher. The performance of tasks, the activity of work in the classroom during lectures, seminars, practical exercises (discussions, quizzes, debates, round tables, laboratory work, etc.) are evaluated. Acquired knowledge and competencies are assessed.**Summative assessment** -type of assessment, which is carried out upon completion of the study of the section in accordance with the program of the course.Conducted 3-4 times per semester when performing IWS. This is the assessment of mastering the expected learning outcomes in relation to the descriptors. Allows you to determine and fix the level of mastering the course for a certain period. Learning outcomes are evaluated. |
| A | 4.0 \_ | 95-100 | Great |
| A- | 3.67 | 90-94 |
| B+ | 3.33 | 85-89 | Fine |
| B | 3.0 | 80-84 | **Formative and summative assessment** | **Points % content** |
| B- | 2.67 | 75-79 | Activity at lectures | 9 |
| C+ | 2.33 | 70-74 | Work in practical classes | 27 |
| C | 2.0 | 65-69 | Satisfactorily | Independent work | 24 |
| C- | 1.67 | 60-64 | Final control (exam) | 40 |
| D+ | 1.33 | 55-59 |
| D | 1.0 | 50-54 | TOTAL | 100 |
| FX | 0,5 | 25-49 | Unsatisfactory |
| F | 0 | 0-24 |
| **Calendar (schedule) for the implementation of the content of the course. Methods of teaching and learning.** |
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| week | Topic name | Number of hours | Max.score |

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| **Module I Fundamentals of Research.**  |
| 1 | **Lec 1.** Theme: Methodological foundations of scientific research.  | **2** | **2** |
| **Sem 1.** Theme Discussion and interactive lesson. Discussion of the role of the research on the topic of scientific interests of Master’s students | 2 | 6 |
| 2 | **Lec 2.** Theme Search, collection and processing of the literature.  | **2** | **2** |
| **Sem 2.** Theme Analysis of scientific articles in the direction of research | 2 | 6 |
| **IWMS 1** Study at least 5 publications on the topic of your research. Review the subject matter - relevance, strengths, weaknesses of each publication, applicability in your research. The conclusions should also include the possibility of recognizing the belonging to a particular scientific school of a particular publication. 1000-1200 words |  |
| I**WMST 1.** Consultation on the implementation of the IWMS 1 |
| 3 | **Lec 3.** Theme The goal and tasks of scientific research. Construction of hypotheses.  | **2** | **2** |
| **Sem 3.** Theme Analysis of scientific sources and information on the direction of research. Critical discussion of purposes of the tasks, and hypotheses: self-assessment and external assessment | 2 | 7 |
| IWMST **2.** Consultation on the implementation of the IWMS 1 |  |
| 4 | **Lec4.** Theme Formation of the steps of the research | **2** | **2** |
| **Sem 4.** Theme Case Study: development of the steps of the research | 2 | 6 |
| 5 | **Lec 5.** Theme Research methods and scientific approaches of their application. | **2** | **2** |
| **Sem 5.** Theme Case Study: identification of the research methods | 2 | 7 |
| IWMST **3.** Consultation on the implementation of the IWMS 1 |  |
| **Module 2 - Quantitative methods in scientific research.** |
| 6 | **Lec 6** Theme Quantitative methods in scientific research. Part 1 | **2** | **2** |
| **Sem 6.** Theme Selection of quantitative research methods in the research field of the Master’s student | 2 | 7 |
| 7 | **Lec 7.** Theme Quantitative methods in scientific research. Part 2 | **2** | **2** |
| **Sem 7.** Theme Application of quantitative research methods in the research field of the Master’s student  | 2 | 7 |
| **IWMST 4.** Study at least 5 publications on the topic of your research. Review the subject matter - relevance, strengths, weaknesses of each publication, applicability in your research. The conclusions should also include the possibility of recognizing the belonging to a particular scientific school of a particular publication. 1000-1200 words (IWMS1) |  | 40 |
|  | **LEVEL CONTROL 1** |  | 100 |
| 8 | **Lec 8.** Theme Mathematical statistical methods of data analysis. Part 1 | **2** | **2** |
| **Sem 8.** Theme Selection of mathematical statistical research methods in the research fields of the Master’s student  | 2 | 6 |
| 9 | **Lec 9.** Theme Mathematical statistical methods of data analysis. Part 2 | **2** | **2** |
| **Sem 9.** Theme Application of mathematical statistical research methods in the research fields of the Master’s student  | 2 | 6 |
| IWMS 2Preparation a science work 1) For the EP State and local government, Logistics, Marketing - Choose qualitative methods of analysis, give a rationale for their applicability / inapplicability to solve the tasks and achieve the goal of your study. 700-1000 words 2) For the EP Finance, Accounting - Choose quantitative methods of analysis, give a rationale for their applicability / inapplicability to solve the tasks and achieve the goal of your study. 700-1000 words |  |
| IWMST **5.** Consultation on the implementation of the IWMS 2 |
| 10 | **Lec 10.** Theme Quantitative expert methods | **2** | **2** |
| **Sem 10.** Theme Application of quantitative expert methods in the research field of the Master’s students  | 2 | 5 |
| **Module 3 - Qualitative research methods and research results** |
| 11 | **Lec 11.** Theme Qualitative research methods Part 1 | **2** | **2** |
| **Sem 11.** Theme Selection of qualitative research methods in the research field of the Master’s student | 2 | 6 |
|  | IWMST **6.** Consultation on the implementation of the IWMS 2 |  |  |
| 12 | **Lec 12.** Theme Qualitative research methods Part 2 | **2** | **2** |
| **Sem 12.** Theme Application of qualitative research methods in the research field of the Master’s student | 2 | 5 |
| 13 | **Lec 13.** Theme Qualitative expert research method | **2** | **2** |
| **Sem 13.** Theme Application of qualitative expert research methods in the research field of the Master’s student | 2 | 5 |
| IWMST **7.** Consultation on the implementation of the IWMS 2 |  |  |
| 14 | **Lec 14.** Theme Construction of the research results | **2** | **2** |
| **Sem 14.** Theme Construction of the research results. Correction of mistakes | 2 | 5 |
| 15 | **Lec 15.** Theme Presentation of the research results | **2** | **2** |
| **Sem 15.** Theme External assessment of the scientific works. Review construction | 2 | 5 |
| IWMST **7.** Preparation a science work 1) For the EP State and local government, Logistics Marketing - Choose qualitative methods of analysis, give a rationale for their applicability / inapplicability to solve the tasks and achieve the goal of your study. 700-1000 words 2) For the EP Finance, Accounting - Choose quantitative methods of analysis, give a rationale for their applicability / inapplicability to solve the tasks and achieve the goal of your study. 700-1000 words (IWMS2) |  | 40 |

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|  | **Midterm control 2** |  | 100 |
|  | **Final control (exam)** |  | 100 |
|  | **TOTAL for course** |  | 100 |

**Dean of the Higher School of Economics Bimendieva L.A.**

**Head of the Department "Management" Turginbayeva A.N.**

**Lecturer Adambekova A.A.**