**SYLLABUS**

**Fall semester 2022-2023 academic years**

**on the educational program «Logistics», «State and Local government», " Finance " «Accounting»**

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| **Discipline’s code** | **Discipline’s title** | **Independent work of Master’s students (IWMS)** | **Number of credits** | | | | | **Number of credits** | **Independent work of Master’s student with teacher (IWMST)** |
| **Lectures (L)** | **Practical training (PT)** | | **Laboratory (Lab)** | |
| **OPSR5301** | “Organization and planning of scientific research” | 98 | 30 | 30 | | - | | 5 | 7 |
| **Academic course information** | | | | | | | | | | |
| **Form of education** | **Type of course** | **Types of lectures** | | | **Types of practical training** | | **Form of final control** | | | |
| Full-time | offline | problematic,  informational,  binary,  lecture-conference | | | Writing scientific papers, conducting research, solving problems,  situational tasks | | Written exam in class | | | |
| Lecturer | Adambekova Ainagul Amangeldinovna. D.e.s. professor | | | | | |  | | | |
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| Telephone number | 87077710724 | | | | | |

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| **Aim of course** | **Expected Learning Outcomes (LO)\***  As a result of studying the discipline the undergraduate will be able to: | **Indicators of LO achievement (ID)**  (for each LO at least 2 indicators) | |
| 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 research  1.3 Performs grouping  scientific 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 results  2.2 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 methodology  3.2 Determines the objects of scientific research  3.3 Applies quantitative and qualitative research methods  3.4 Determines the research problem and how to justify it  3.5 Forms a report on the research | |
| LO 4 Collect and interpret information sources to classify and define research issues | 4.1 Explain the research methodology  4.2 Identifies and classifies sources of information  4.3 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 methodology  5.2 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 area  5.5 Reflects the results of the research  5.6 Corrects the results of scientific research. | |
| **Prerequisites** |  | |
| **Post requisites** | Major Courses | |
| **Information resources \*\*** | **Literature:**  **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 - 2017   1. 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 3. [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 **Internet resources:**   1. World Bank. Global Economic Prospects, June 2020 / https://openknowledge.worldbank.org/handle/10986/33748 2. Open knowledge repository of World Bank. Policy Research Working Papers, 2020 / <https://openknowledge.worldbank.org/handle/10986/9>  https://adilet.zan.kz/rus/docs/P2200000516  1. Economic Review of the National Bank of the Republic of Kazakhstan 2. The journal "Bulletin of KazNU named after al-Farabi (economic series)" | |

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| **Academic policy of the course in the context of university moral and ethical values** | **Academic Behavior Rules:**  All students are required to register for the MOOC. The deadlines for completing the modules of the online course must be strictly observed in accordance with the schedule for studying the discipline. Leave in case of current MOOC or SPOC courses.  **ATTENTION!** Failure to meet deadlines results in loss of points! The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the training course, as well as in the MOOC. Leave in case of current MOOC or SPOC courses.  **Academic values:**  - Practical trainings/laboratories, IWS should be independent, creative.  - Plagiarism, forgery, cheating at all stages of control are unacceptable.  - Students with disabilities can receive counseling at e-mail ainatas0408@gmail.com. |
| **Evaluation and attestation policy** | **Criteria-based evaluation:**  assessment of learning outcomes in relation to descriptors (verification of the formation of competencies in midterm control and exams).  **Summative evaluation:** assessment of work activity in an audience (at a webinar); assessment of the completed task. |

**CALENDAR (SCHEDULE) THE IMPLEMENTATION OF THE COURSE CONTENT:**

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| --- | --- | --- | --- |
| week | Topic name | Number of hours | Max.  score |
| **Module I Fundamentals of Research. Quantitative methods in scientific 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 |  | |
| 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 |
| **Module 2 - Qualitative research methods and research results** | | | |
| 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 |
| 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 |
| 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 |
| IWMST **6.** Consultation on the implementation of the IWMS 2 |  |  |
| 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 |
| 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 |
|  | **LEVEL CONTROL 2** |  | 100 |
|  | Exam |  | 100 |

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