«APPROVED»
Member of the Board- vice-rector
for academic affairs
NJSC «Al-Farabi KazNU»
_____ Kazmagambetov A.G.
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УПР N 94С

The program of
the entrance exam for the group of educational programs of the Faculty of Geography and Environmental Sciences
Master's degree
for foreign citizens to study on a paid basis

1. General Provisions

1.1 The program was drawn up in accordance with the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018, No. 600 «On approval of the Model Regulations for admission to studies in educational organization, implementing educational programs of technical and vocational education» (hereinafter – the Standard Rules).

1.2. Kazakh National University named after al-Farabi accepts individuals who have completed higher education programs for postgraduate education programs (master's degree).

1.3. Entrance exams are conducted in the form of interviews for the following educational programs:

- ✓ 7M05203 – Geography
- ✓ 7M07304 - Land management
- ✓ 7M07305 – Cadastre
- ✓ 7M05205 – Geography (Energy Diplomacy) (UrFU)
- ✓ 7M05206 – Hydrology
- ✓ 7M05207 – Meteorology
- ✓ 7M05220 – Water Diplomacy
- ✓ 7M07301 – Geodesy
- ✓ 7M07303 – Cartography
- ✓ 7M07302 – Geoinformatics
- ✓ 7M05210 – Natural and technogenic risks
- ✓ 7M11101 – Tourism
- ✓ 7M11102 – Tourism (PFUR)
- ✓ 7M11103 – Tourism (BelGU)
- ✓ 7M11104 – Restaurant and Hotel business
- ✓ 7M11104 – Restaurant and hotel business
- ✓ 7M05211 – Ecology
- ✓ 7M05213 – Ecology and Nature Management (BelSU)
- ✓ 7M05216 – Ecological Soil Science
- ✓ 7M05209 – Geoecology and Environmental Management
- ✓ 7M11201 – Life safety and environmental protection

1.4. For the organization and conduct of entrance exams for the admission of foreign applicants, an examination subject commission for the academic year is established by the rector of al-Farabi Kazakh National University.

The examination commission for the admission exams of foreign applicants to KazNU includes employees of the Department of Internationalization and Recruitment (hereinafter referred to as the Department) and the teaching staff of KazNU.

1.5. If a foreign applicant who meets the above-mentioned requirements is unable to come to the University for the entrance interview, they have the option to take it in an online format.

1.6. Entrance exams in the form of oral interviews for the admission of foreign applicants are evaluated on a 100-point scale. For admission to the master's program on a fee-paying basis, a minimum of 75 points is required for the academic and pedagogical track (2 years) and a minimum of 50 points for the specialized track (1-1.5 years).

1.7. Following the entrance interview, a protocol is prepared in the established format. The interview protocol is signed electronically via the "Salem office" system by the chairperson and all attending members of the commission and then submitted to the Office.

1.8. The decision on admission is reviewed by the competition commission for the enrollment of foreign applicants and documented by a protocol through the "Salem office" system. The results of the entrance exam are announced on the day of the exam.

1.9. Retaking the entrance exam is not allowed.

1.10. Appeals regarding the results of the interview are allowed within 24 hours.

2. Conducting the entrance exam in 2025:

2.1 The interview is conducted in Russian, Kazakh, and English languages. The oral interview also includes questions aimed at assessing the applicant's ability to learn, creative activity, critical thinking, and personal qualities.

2.2. An indicative list of interview topics:

1. Fundamentals of land use regulation and territorial planning.
2. Applied aspects of land management.
3. Geography of the world electric power industry. World energy systems.
4. The role of natural resource potential in the distribution of economies of the countries of the world.
5. Methods of analysis and calculation of river runoff.
6. Integrated Water Resources Management.
7. Weather forecasting.
8. Climate change and its consequences.
9. Map Techniques.
10. Natural And Technological Risks.
11. Building Deformation Measurements.
12. Programming Languages.
13. International tourism and its characteristic features.
14. The concept of the category of complexity of the tourist route.

15. Tourism as an object of interdisciplinary research.
16. Economy of hotel and restaurant enterprises.
17. Global environmental problems of our time and ways to solve them.
18. Environmental monitoring: definition and types.
19. The role of "green" technologies in achieving sustainable development.
20. Classical and modern classifications of natural resources.

2.3. Recommended reading list for preparation:

1. Nadyrov Sh.M., Nyusupova G.N. et al. Kazakhstan is in the system of the latest geopolitical and regional transformations in Central Asia. Almaty, Mir, 2014. -183 p.

2. The economic, social and political geography of the world. Regions and countries. / Edited by Dr. of Geographical Sciences, prof. S.B. Lavrov, Candidate of Geographical Sciences, Associate Professor N.V. Kaledin. – M.: Gardariki, 2002. – 928 p.

3. Socio-economic geography of the foreign world. Textbook for university students/ Edited by V. V. Volsky. - M.: Bustard, 2004.

4. Economic, social and political geography: the world, regions, countries. Edited by Prof. I.A. Rodionova M., 2008.

5. Economic geography of world development: XX century / edited by Yu.G. Lipets, V.A.Pulyakin, S. B. Shlichter.- S.P.: Aletein, 2003.

6. All countries of the world: An encyclopedic reference/ Author-compiler Rodin I.O., Pimenova T.M. – M.: Veche, 2003. – 560 p.

7. Fursina G.A., Kaliaskarova Z.K. Economic, social and political geography of the world. A study guide. - Almaty: Kazakh University, 2003. – 120 p.

8. Introduction to physical geography. Textbook (K.K.Markov et al.), M., Higher School, 1978, 191 p.

9. Gerenchuk K.I., Bokov V.A., Chervanov I.G. General land studies. M., Higher School, 1984, 256 p.

10. Ermolaev M.M. Introduction to physical geography. L., LSU, 1975, 260 p.

11. Bokov. V.A., Seliverstov Yu.P. General land science: M., Higher School 1999.

12. Volkov S.N. Land management. Land management design. On-farm land management. Volume 2. Moscow: Kolos Publishing House, 2002

13. "Land management design" Ed. Handelman M.A., Textbook. – Astana. "EVLU" 1999

14. Mauro Naghettini Fundamentals of Statistical Hydrology. Springer Cham, 2007. 660 p

15. Handbook of Engineering Hydrology: Modeling, Climate Change, and Variability. Edited By Saeid Eslamian. 252 B/W Illustrations Published 2014 by CRC Press. 646 Pages. ISBN 9781466552463

16. Woodmencey Jim. Reading Weather: The Field Guide to Forecasting the Weather – 2022. – 128 pages.

17. Alan Watts. The Weather Handbook: The Essential Guide to How Weather is Formed and

Develops. – 2020 – 160 pages.

18. Trevor M. Climate Change Observed Impacts on Planet Earth Book, Third Edition. – Elsevier: 2021. - 848 pages.

19. Colleen Murphy, Paolo Gardoni, Robert McKim Climate Change and Its Impacts. Risks and Inequalities. – Springer: 2018. – 276 pages.

20. Gneckow, D., Hollenbach, A., Landgrebe, P. Mapping narrations - narrating maps: Concepts of the world in the middle ages and the early modern period (Book). 2022, pp. 386.

21. Dmytruk, Y., Dent, D. Soils Under Stress: More Work for Soil Science in Ukraine (Book). 2021, pp.260.

22. Sjöberg, L.E., Bagherbandi, Gravity inversion and integration: Theory and applications in geodesy and geophysics (Book), 2017, pp.383.

23. Dicati, R. Stamping the earth from space (Book), 2017, pp. 429.

24. Orange, J.L., Grafarend, E.W., Paláncz, B., Zaletnyik, P. Algebraic geodesy and geoinformatics (Book), 2010, pp. 377.

25. Bivand, R.S., Pebesma, E., Gómez-Rubio, V. Applied Spatial Data Analysis with R: Second Edition (Book), 2013, pp. 405.

26. Gaillard, N. Country Risk: The Bane of Foreign Investors (Book), 2020, pp. 259.

27. Voskresensky V.Yu. International tourism. – M.: UNITY-DANA, 2017. – 462 p.

28. Moldasheva A. B. Geography of international tourism: studies. handbook of the Ministry of Education and Science of the Republic of Kazakhstan, Taraz State University named after M. H.Dulati. – Taraz: Taraz University, 2018. – 159 p.

29. Yerdavletov S.R. Geography of tourism. Textbook. - Almaty: Kazakh University, 2010. - 412 p.

30. Blagovo V.V., Golikov V.I. and others. Theory and methodology of sports tourism. Textbook. – M., Soviet sport, 2014. – 424 p.

31. Kabushkin, N. I. Management of hotels and restaurants [Electronic resource] : textbook / N. I. Kabushkin. - M.: KNORUS, 2013. - 413 p. - (Bachelor's degree).

32. Matveeva, N.V. Management of hotel and restaurant enterprises [Electronic resource]: textbook / Saratov : AI Air Media, 2018. 152 p.

33. The Climate Promise. URL: https://climatepromise.undp.org/

34. Cunningham W., Cunningham A.M. Principles of Environmental Science: Inquiry & Applications. – McGRAW-HILL,9th, 2019 (English).

35. Singer F.D. Ecology in Action. - Cambridge University Press, 2016 (English).

36. Tazhibayeva T.L., Voronova N.V., Tanybayeva A.K. Ecologicall safety: educational and methodological textbook.-Almaty: Kazakh University, 2021 (Kaz., Rus., Engl.)

37. Engineering ecology. Textbook/ Edited by V.T. Medvedev. – M.: Gardariki, 2002. – 687 p.

38. "Integrated Water resource management in Kazakhstan". Almaty: Qazaq university, 2014.

3. Scale and criteria for evaluating the entrance exam for admission to the master's program (specialized track) for foreign citizens on a fee-paying basis:

Number of points	Compliance criteria
90-100 points «Excellent»	All competencies required for the entrance exam have been mastered. A comprehensive answer has been provided to two theoretical questions: - Scientific terminology has been correctly utilized. - All necessary features, elements, grounds, and classifications have been accurately named and defined to substantiate the arguments. - The main viewpoints accepted in scientific literature regarding the discussed issue have been indicated. - Own position or viewpoint has been argued, and the most significant research problems in this field have been identified. - The practical problem has been solved correctly with all necessary explanations.
75-89 points «Good»	All competencies required for the entrance exam have been mastered. A correct answer has been provided to two theoretical questions, with minor deficiencies identified in preparation: Scientific terminology is applied. - All necessary features, elements, classifications are named, but there is an error or inaccuracy in the definitions or concepts. - There are shortcomings in argumentation, factual or terminological inaccuracies are present, but they are not significant. - Some insights into possible research problems in the field are expressed. - The practical problem is partially solved with incomplete explanations provided.
50-74 points «Satisfactory»	All competencies required for the entrance exam have been mastered. A correct answer has been provided to two theoretical questions, with minor deficiencies identified in preparation: - Only some grounds, features, characteristics of the phenomenon under consideration are named and defined. - Significant terminological inaccuracies are present. - Own viewpoint is not presented. - No insights into possible research problems in the field are provided. - The practical problem is not solved.
0–49 points «Unsatisfactory»	Not all competencies required for the entrance exam have been mastered. Incorrect answers are provided to two theoretical questions, with significant deficiencies identified in preparation. The practical problem is not solved.

3.1 Scale and assessment criteria of the entrance examination for admission to the master's program (academic and pedagogical direction) for foreign citizens on a fee-paying basis:

Number of points	Compliance criteria
90–100 points "Excellent"	Demonstrates knowledge of the fundamental processes within the studied subject area; depth and completeness of addressing the issue; logically and sequentially expresses own opinion on the discussed problem; possesses conceptual-categorical framework, scientific terminology; logical coherence of the answer, adherence to the norms of contemporary scientific language.
80–89 points "Good"	Competent use of scientific terminology; mastery of conceptual-categorical framework; problem-oriented presentation of formulated questions; occasional errors in presenting factual material; incompleteness in presenting scientifically established facts within the scope of questions; logical coherence of the answer, adherence to the norms of contemporary scientific language.
75–79 points "Satisfactory"	Insufficient use of scientific terminology; inadequate mastery of conceptual-categorical framework; ability to address only one of the problems formulated in the questions; errors in presenting factual material; superficial knowledge of the subject area; violation of logical coherence in the answer, norms of contemporary scientific language.
0–74 points "Unsatisfactory"	Absence of necessary scientific terminology in the answers; descriptive presentation of discussed issues, inability to identify and present problems; gross errors in presenting factual material; lack of knowledge of historiography of the studied subject area.