



«APPROVED»

Member of the Board – Vice Rector
for Academic Affairs
NJC «Al-Farabi KazNU»

Kazmagambetov A.G.

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**The program of
the entrance exam for the group of educational programs of the
Faculty of Medicine and Healthcare
of HIGHER SCHOOL OF MEDICINE
PhD 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. In Al-Farabi KazNU for educational programs of postgraduate education (doctoral studies) are admitted persons who have mastered educational programs of postgraduate education. The admission to the doctoral program is allowed to applicants who have a “Master’s” degree.

1.3. Entrance examinations according to Annex 2 to the Standard Rules are held in the format of an interview for the following groups of educational programs:

- ✓ 8D10102 – Medicine
- ✓ 8D10103 – Nursing
- ✓ 8D10101 – Public Health
- ✓ 8D10104 – Pharmacy
- ✓ 8D01401 – Physical Culture and sport

1.4 In order to organize and conduct entrance examinations for admission of a foreign applicant, a subject examination committee is created for the academic year by the decision of the Rector of Al-Farabi KazNU.

The entrance examination committee for admission of a foreign applicant to KazNU includes employees of the Department of Internationalization and Recruitment (hereinafter referred to as DIR) and the faculty of KazNU.

1.5 If a foreign applicant who meets the above requirements is unable to come to the

University to undergo an entrance interview, he/she has the opportunity to undergo it online.

1.6 Entrance examinations in the form of an oral conversation (interview) for admission of a foreign applicant are assessed on a 100-point scale. When enrolling in doctoral studies on a paid basis, 75 points are counted.

1.7. Based on the results of the entrance exam, an interview protocol is drawn up in the established form. The interview protocol is signed through the Salem office system by the chairman and all present members of the commission and transferred to the DIR.

1.8. The decision on admission is considered by the selection committee for the enrollment of foreign applicants and is drawn up as 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 permitted.

1.10. An appeal based on the results of the interview is provided within 24 hours.

2. Conducting the entrance exam in 2025

2.1 The interview is conducted in Russian, Kazakh and English. The oral interview contains questions aimed at revealing the ability to learn, creativity and critical thinking, as well as the personal qualities of the applicant.

2.2 Approximate list of interview topics:

1. Standardization in healthcare. Principles of quality management of medical care in healthcare.

2. Accreditation of medical organizations: purpose, objectives and principles.

3. Relationship of DM with clinical epidemiology and biomedical statistics.

4. Methods of qualitative and quantitative research in evidence-based medicine.

5. Subject and method of statistics. Basic concepts of statistical science.

6. Concept and role of biostatistics as the main component of the evidence-based medicine system. Types of statistical data.

7. Sampling method and evaluation of its results. Indicators of central tendency and diversity of the variation series.

8. Fundamentals of the theory of testing statistical hypotheses. Types of errors and statistical power of the study. Statistical criteria.

9. Analysis of quantitative data for two or more groups. Analysis of qualitative data. Contingency tables. Association measures. Survival analysis. Correlation analysis. Regression analysis.

10. Organization of research activities: structure, features, criteria. Stages of research work - planning, organization and implementation. Methods of conducting empirical research.

11. Search for a problem and formulating a hypothesis. Literary research. Search systems and databases of scientific and technical information. Selecting a research topic.
12. Drawing up a research program, methodological and procedural sections of the study. Planning and implementing an experimental (empirical) study. Statistical data processing.
13. Mechanisms for implementing the results of scientific research. Commercialization of scientific results. Protection of intellectual property. International patenting. Discoveries, inventions, rationalization proposals. Author's certificates. License.
14. Ethics of scientific research. Plagiarism. Responsibility for non-compliance with ethical principles.
15. General characteristics of health and rehabilitation physical culture.
16. Pedagogical control in the system of organizing classes in physical education and sports
17. Types of medical and biological control of the physical and functional state of students.
18. Types of innovative and interactive technologies in scientific research work on physical education and sports

2.3 List of recommended literature for preparation:

1. Carey S.S. A Beginner's Guide to Scientific Method. – Wadsworth Publishing, 2003.
2. Carter M. Designing Science Presentations: A Visual Guide to Figures, Papers, Slides, Posters, and More, Academic Press, 2013.
3. Kaudyrov T.E. Intellectual Property Law in the Republic of Kazakhstan, Almaty: Zhetyzhary, 1999 – 68 p.
4. Torosyan V.G. History and Philosophy of Science: textbook for universities. - M., 2012.
5. Yushkov A.V. Fundamentals of Scientific Research Planning. Kazakh University, 2004.
6. Public Health: textbook /A.A. Akanov, K.A. Tulebaev, M.A. Kamaliev, et al. - M: Moscow: Littera, 2017. - 496 p.
7. Lisitsyn Yu.P. Public Health and Healthcare: [Text]; Textbook / Yu.P. Lisitsyn, G.E. Ulumbekova. - 3rd ed., revised and enlarged. - M: GEOTAR-MEDIA, 2015. - 544 p.
8. V.A. Medik, V.K. Yuryev. Public Health and Healthcare. 3rd ed., revised and enlarged. Textbook - GEOTAR-Media-2014.
9. Public Health and Healthcare, Healthcare Economics [Text]; Textbook T1 / Ed. Kucherenko V.Z. - M.: GEOTAR-Media-2013. - 688 p.
10. Public health and healthcare: a guide to practical classes: a tutorial / V.A. Medik, V.I. Lisitsyn, M.S. Tokmachev. - 2nd ed., corrected. and add. - M.: GOETAR-Media, 2018. - 464 p.
11. Theory and methodology of physical education: Textbook / Ed. prof. Yu.F.Kuramshin. - 2nd ed., corrected. - M.: Sovetsky Sport, 2007. - 464 p.
12. Kholodov, Zh.K. Theory and methodology of physical education and sports: a teaching aid for students of higher education. Head of the Department / Zh. K. Kholodov, V. S. Kuznetsov. - M.: Academy, 2008. - 480 p.
13. Polat E. S. Modern Pedagogical and Information Technologies in the Education System: Textbook for Students of Higher Education Institutions / Polat E. S.; Bukharkina M. Yu. - 2nd ed., reprinted - M.: Academy, 2008. - 368 p.
14. Zheleznyak Yu. D., Petrov P. K. Fundamentals of Scientific and Methodological Activity in Physical Education and Sports: Textbook for Students of Higher Pedagogical

Educational Institutions. - M.: Publishing Center "Academy", 2001.

15. Vasenkov N. V. Dynamics of the State of Physical Health and Physical Fitness of Students // Theory and Practice of Physical Education. – 2008. – No. 5. – P. 91–92.

Internet resources:

1. Innovative technologies as a means of teaching-articlekz.com/article/7886
2. Innovative technologies and methods of teaching - www.mai.ru/events/sfiro/articles/sec1/sakovich.

Further reading:

1. Academic-dishonesty//http://psychology.wikia.com/wiki/Academic_dishonesty.
2. McCormack, J., Slaght, J. (2005). English for academic study: Extended writing and research skills. Garnet education: The university of reading.
3. Methods of scientific knowledge. - Almaty: Gylym, 1996.
4. Patent law of the Republic of Kazakhstan. -Almaty: Daneker, 2001 - 31 p.

Internet sources:

1. Purdue online writing lab <http://owl.english.purdue.edu/>
 2. Harvard University, The writing Center <http://isites.harvard.edu/icb/icb.do?keyword=k33202&pageid=icb.page143936>
 3. Guide to grammar and writing [http:// grammar.ccc. commnet. edu/grammar/](http://grammar.ccc.commnet.edu/grammar/)
 4. The university of Wisconsin-Madison, The Writer's Handbook <http://www.writing.wisc.edu/Handbook/index.html>
 5. APA Guide <http://www.apastyle.org/>
 6. MLA guide <http://www.calstatela.edu/library/guides/MLA7.pdf>
- University of Leicester, Learning development <http://www2.le.ac.uk/offices/ld/resources/writing/writing-resources/planning-dissertation>

3. Scale and assessment criteria of the entrance examination for admission to the doctoral program 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.