



**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:

- ✓ 8D10103 – Nursing
- ✓ 8D10101 – Public Health
- ✓ 8D01401 – Physical Culture and sport

1.4 For the organization and conduct of entrance examinations for admission of a foreign applicant by the decision of the rector of AL-FARABI Kazakh National University is creating an examination committee for the period of examinations.

The commission of entrance examinations for admission of a foreign applicant to KazNU includes employees of the Internationalization and Recruiting Office (hereinafter referred to as the Office) and the professor-teaching staff of KazNU.

1.5 In case a foreign applicant who meets the above requirements has no possibility to come to the University for an entrance interview, he has the opportunity to take it online.

1.6 Entrance exam in the form of oral conversation (interview) for admission to a foreign applicant are evaluated on a 100-point system. When enrolling 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 prescribed form according to the requirements of the Office. The interview record is signed by the chairman and all members of the commission present and submitted to the Office.

1.8 The decision on admission is made by the University Admissions Committee on the results of the interview. The results of the entrance exam are announced on the same day.

1.9 Retaking the entrance exam is not permitted.

1.10 An appeal against the results of the interview is not considered.

## 2. Conducting the entrance exam in 2024

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

2.2 An indicative list of interview topics:

1. Standardization in health care. 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. The concept and role of biostatistics as the main component of evidence-based medicine.

Types of statistics.

7. Sampling method and evaluation of its results. Indicators of the 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. Crosstabs. Association measures. Survival analysis. Correlation analysis. Regression analysis.

10. Organization of research activities: structure, signs, criteria. Research stages - planning, organization, and implementation. Methods for conducting empirical research.

11. Searching for a problem and formulating a hypothesis. Literary research. Search systems and databases of scientific and technical information. The choice of the topic of research work.

12. Drawing up a research program, methodological and procedural sections of the research. Planning and execution of an experimental (empirical) study. Statistical data processing.

13. Mechanisms for implementing the results of scientific research. Commercialization of scientific results. Intellectual property protection. International patenting. Discoveries, inventions, rationalization proposals. Copyright certificates. License.

14. Ethics of scientific research. Plagiarism. Responsibility for non-compliance with ethical principles.

15. General characteristics of health-improving and rehabilitation physical culture.

16. Pedagogical control in the system of organizing classes in physical culture and sports

17. Types of biomedical control of the physical and functional state of students.

18. Types of innovative and interactive technologies in scientific research work on physical culture and sports

2.3 List of recommended literature for preparation:

### **Main literature:**



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 rights in the Republic of Kazakhstan, Almaty: Zheti Zhargy, 1999 – 68 p.
4. Torosyan V.G. History and philosophy of science: textbook for universities. - M., 2012.
5. Yushkov A.V. Basics of planning scientific research. Kazakh universities, 2004.
6. Public health: textbook / A.A. Akanov, K.A. Tulebaev, M.A. Kamaliev et al. – M: Moscow: Littera, 2017. – 496 pp.
7. Lisitsyn Yu.P. Public health and healthcare: [Text]; Textbook / Yu.P. Lisitsyn, G.E. Ulumbekova. – 3rd ed., rev. And additional – M: GEOTAR-MEDIA, 2015. – 544 p.
8. V.A. Medic, V.K. Yuryev. Public health and healthcare. 3rd ed., revised. And additional 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 training: textbook / V.A. Medic, V.I. Lisitsin, M.S. Tokmachev. – 2nd ed., rev. and additional – M.: GOETAR-Media, 2018. – 464 p.
11. Theory and methodology of physical culture: Textbook / Edited by prof. Yu.F. Kuramshina. - 2nd ed., rev. - M.: Soviet sport, 2007.– 464 p.
12. Kholodov, Zh. K. Theory and methodology of physical education and sports: a textbook for students. higher textbook Head / 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. aid for students universities / Polat E.S. ; Bukharkina M.Yu. - 2nd ed., erased. - M: Academy, 2008. - 368 p.
14. Zheleznyak Yu.D., Petrov P.K. Fundamentals of scientific and methodological activities in physical culture and sports: A textbook for higher education students. ped. textbook establishments. - 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 culture. – 2008. – No. 5. – P. 91–92.

**Internet resources:**

**1. Innovative technologies as a means of teaching...**

[articlekz.com/article/7886](http://articlekz.com/article/7886)

**2. Innovative technologies and teaching methods in...**

[www.mai.ru/events/sfiro/articles/sec1/sakovich.doc](http://www.mai.ru/events/sfiro/articles/sec1/sakovich.doc) comprehensive:

1. Academic-dishonesty//[http://psychology.wikia.com/wiki/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:**

<b>Number of points</b>	<b>Compliance criteria</b>
<b>90–100 points «Excellent»</b>	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.
<b>80–89 points «Good»</b>	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.
<b>75–79 points «Satisfactory»</b>	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.
<b>0–74 points «Unsatisfactory»</b>	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.