

**APPROVED**  
**at a meeting of the**  
**Scientific Council**  
**NJSC “Al-Farabi KazNU”.**  
**Minutes No.14**  
**dated May 26, 2024.**

**The program of the entrance exam for applicants to the PhD**  
**for the group of educational programs**  
**D001 Personnel training in pedagogy and psychology**

**1. General provisions.**

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 Rules for Admission to Education in Educational Organizations Implementing Educational Programs of Higher and Postgraduate Education” (hereinafter referred to as the Model Rules).

2. The entrance exam for doctoral studies consists of writing an essay, passing a test for readiness for doctoral studies (hereinafter referred to as TRDS), an exam in the profile of a group of educational programs and an interview.

<b>Block</b>	<b>Points</b>
1. Interview	30
2. Essay	20
3. Exam according to the profile of the group of the educational program	50
Total admission score	100/75

3. The duration of the entrance exam is 4 hours, during which the applicant writes an essay, passes a test for readiness for doctoral studies, and answers an electronic examination. The interview is conducted on the basis of the university separately.

**2. Procedure for the entrance examination.**

1. Applicants for doctoral studies in the group of educational programs D001 «Personnel training in pedagogy and psychology» write a motivational essay. The volume of the essay is at least 250 words.

2. The electronic examination card consists of 3 questions.



## **Topics for exam preparation according to the profile of the group of the educational program.**

### **Discipline «Psychology of higher education»**

#### **Theme. Theoretical and methodological foundations of psychology as a science.**

The importance of psychological and pedagogical sciences in the modernization of higher professional education. Methodological approaches and methodological principles in the study of personality. Personal-activity and competence-based approaches to university education.

#### **Theme. Teaching is the organizational and informational basis of educational activities at the university.**

Pedagogical activity at the university. Psychological functions of teaching. Individual style of teaching activity. Factors of psychological burnout of teachers at the university.

#### **Theme. Management of the educational process at the university.**

Strategies for managing the educational process in higher education. Interaction of subjects of the educational process of the university as a basis for the effectiveness of educational activities.

Psychological theories of organization and management of training. Personality-oriented theories and technologies. Theory of step-by-step formation of mental actions. Theory of developmental learning.

#### **Theme. Educational activities and their components.**

The essence of the learning process, its significance for the rational organization of the educational process. The general structure of educational activities. The leading functions of training, their structure, the model of the structure of the educational process. The driving forces of the learning process. The logic of the educational process and the structure of the learning process. The main stages of mastering knowledge, skills and abilities.

#### **Theme. Psychological methods of organizing educational activities of students at the university.**

Designing a learning situation. Educational interaction. Forms and methods of educational interaction. Factors of success in higher education.

Manage learning by setting and solving learning tasks. The structure of the training task. Taxonomy of educational tasks (D. Tollingerova).

#### **Theme. Psychological foundations of the organization of distance learning.**

Digital educational environment of the university. Psychological difficulties of online learning. Strategies for overcoming students' learning difficulties in the

context of distance learning. Digital competence of teachers. Features of online learning.

**Theme. Types and methods of teaching at the university.**

The concept of the teaching method and the classification of teaching methods in higher education. Active types and methods of training. Programmed learning and its compliance with the theory of step-by-step formation of mental actions. The main methodological tools of programmed training. Problem-based learning. Thinking as a process of cognitive activity of learning. Conditions for creating a problem situation.

Interactive (communicative training). Active verbal teaching methods.  
Visual teaching methods. Heuristic learning methods.

**Theme. Forms of training sessions at the university.**

Lecture form of training. Classification of lectures and psychological conditions of their effectiveness. Methods of conducting seminars. The culture of the organization and the psychological requirements for control and evaluation classes. Psychology of involvement and organization of independent work of students.

**Theme. Diversity of approaches to understanding personality.**

Concepts of personality in psychology. The structure of the student's personality at the university. Cultural and historical approach to the study of personality. The student as the subject of educational activity and the subject of self-organization of the learning process.

**Theme. Socio-psychological characteristics and personality typology.**

Dynamic personality structure: self-esteem, claims, success, self-affirmation.  
Personal orientation and self-awareness of students. Strategies of thinking and behavior of students at the university.  
The development of the student's personality and the stage of socialization.  
Norms and mechanisms of their assimilation.

**Theme. Psychology of the educational process. Universal morality as the basis for the formation of a person.**

Educational process and psychological patterns of its organization in the university. Moral education in the student age: myths and reality. Morality in the student age. Technologies of education and socialization. Development of the adaptive potential of a student's personality as a factor in optimizing the educational process in higher education.

**Theme. Safety of the educational environment.**

Intercultural interaction of students. Subcultures among the studying youth. Violence and psychological safety of the educational environment of the educational organization. Features of psychological well-being. Development of

protective and coping behavior. The role of genuine emotions in the safety of the educational environment. Psychological and pedagogical support for the safety of an inclusive educational space.

**Theme. Psychological features of professional activity.**

Psychological characteristics of the subject of professional activity.

Professional development and adaptation. Professional self-awareness and competence. Professional interaction of people: skills and abilities.

**Theme. Teacher's communicative competence.**

People's perception and understanding of each other. Pedagogical communication. Effects of interpersonal perception: "novelty", "primacy", "halo", "stereotype".

Effective communication. Culture of expression of feelings and self-giving. Psychological analysis of the conflict. Constructive psychology of conflict. Conflictological literacy.

**Theme. Training and diagnostic activities at the university.**

Designing the training. Training students to design careers and develop competitive advantages. Teaching students effective communication and interaction. Development of leadership among students.

Diagnostics of individual typological, cognitive and behavioral characteristics of students.

## 2. References

**Basic:**

1. Психология: оқу құралы /С. Қ. Бердібаева, К. Қ. Сайлинова, Э. Т. Адилова және т.б.- Алматы: Қазақ ун-ті, 2021. - 179, [1] б.
2. Шунк, Дейл Х. Оқыту теориясы: білім беру көкжиегі = Learning Theories: An Educational Perspective [Мәтін] : оқулық / Д. Шунк ; [ауд. Б. М. Мизамхан; жауапты ред. А. Б. Айтбаева], Астана. «Ұлттық аударма бюросы» ҚҚ, 2019. - 607 б.
3. Еромасова А.А. Общая психология. Методы активного обучения: Учебное пособие для вузов. – 4-е изд, испр. и доп. – Москва: Юрайт, 2021. – 182 с. – Режим доступа: <https://urait.ru/bcode/471670> - Для авторизованных пользователей.
4. Иванников В.А. Общая психология: учебник для вузов. – Москва: Юрайт, 2021. – 480 с. – Режим доступа: <https://urait.ru/bcode/469080> - Для авторизованных пользователей.
5. Общая психология: введение в общую психологию, психология познавательных процессов: /под общ. науч. ред. Б.Н. Рыжова, Д.А. Донцова. – Москва: ФЛИНТА, 2021. – 362 с. : ил., табл. – Режим доступа: <https://biblioclub.ru/index.php?page=book&id=611384> – Для авторизованных пользователей.

6. Шапошникова Т.Е. Возрастная и педагогическая психология: учебник и практикум для вузов. – 2-е изд., испр. и доп. – Москва: Юрайт, 2021. – 218 с. – Режим доступа: <https://urait.ru/bcode/471609>
  7. Лурия А.Р. Лекции по общей психологии. Серия «Мастер Психологии». - Изд-во «Питер», 2020. – 384 с.
  8. Самойлов В.Д. Психология и педагогика высшей школы. Андрогогическая парадигма. Учебник. - М.: Юнити-Дана, 2018. – 207 с.
  9. Залевский Г. В. Психология личности: фиксированные формы поведения: учебное пособие для вузов — 2-е изд. — М.: Юрайт, 2020. — 306 с.
  10. Мыңбаева А.К., Айтбаева А.Б., Құдайбергенова Ә.М. Жоғары мектеп педагогикасы негіздері. Оқу құралы. – Алматы: Қазақ университеті, 2016.
- Туркпен-ұлы, Жолмухан. Основы общей и педагогической психологии: учеб.-метод. пособие для вузов – А.:Қазақ университеті, 2016.

#### **Additional:**

1. Жалпы психологияға кіріспе: оқу құралы / Н. Қ. Тоқсанбаева, Н. М. Садықова, А. М. Болтаева және т.б.; жалпы ред. басқ. С. М. Жақыпов. - Толықт., 2-бас. - Алматы: Қазақ ун-ті, 2021. – 294 б.
2. Мухина В. С. Возрастная психология. Феноменология развития: учебник для студентов вузов, обучающихся по специальностям "Педагогика и психология", "Психология", "Социальная педагогика", "Педагогика". - 17-е изд. – М.: Академия, 2019. - 655с.
3. Константинов В.В. Методологические основы психологии. Учебное пособие. — М.: Юрайт. 2019. - 200 с.
4. Психология. Практикум. Учебное пособие. – 2- е изд. /Под ред. Бухаровой И.С., Бывшевой М.В.– М.:Юрайт, 2020. – 208 с.
5. **Аминов И.И. Психология общения. Учебник. – Изд-во «Кнорус», 2021. – 258 с.**
6. Білім беру бағдарламаларын әзірлеу: жоғары білім берудің жаһандық мәселелеріне жауаптар: монография /А. Сағынтаева, А. Мусина, А. Сулейменова және т.б. - Нұр-Сұлтан: Назарбаев ун-ті Жоғары білім беру мектебі, 2021. - 235, [1] б.
7. Залевский Г. В. Психология личности: фиксированные формы поведения: учебное пособие для вузов — 2-е изд. — М.: Юрайт, 2020. — 306 с.
8. Рамендик Д. М. Тренинг личностного роста: учебник и практикум. — 2-е изд., испр. и доп. — М.: Юрайт, 2018. — 136 с. — (Серия: Профессиональное образование).
9. Маклаков А.Г. Общая психология. Учебное пособие. – Спб.:Питер, Питер Пресс, 2017. – 582 с.
10. Игнатова Н.Ю. Образование в цифровую эпоху монография. – Нижний Тагил: НТИ (филиал) УрФУ, 2017. – 128 с.

11. Бутко Е.Ю. Инновационная деятельность по использованию мультимедиа в образовательной деятельности. – М.:Учитель, 2020. – 108 с.
12. Симонов В. Педагогика и психология высшей школы. Инновационный курс для подготовки магистров. Учебное пособие. – М.:Вузовский учебник, 2019. – 320 с.
13. Психология развития и возрастная психология: учебник и практикум для вузов / под общей редакцией Л. А. Головей. — 2-е изд., испр. — Москва: Издательство Юрайт, 2020. — 413 с.
14. Сидоренко Е. Технологии тренерской работы.- М.: Ун-т «Синергия». – 2018. – 320 с.
15. Психология. Учебник и практикум для СПО / под общ. ред. А.С. Обухова. — М.: Юрайт. 2019.- 404 с.
16. Гримак Л.П. Психология активности человека: психологические механизмы и приемы саморегуляции. М.:Либроком, 2018.- 366 с.
17. Леонов Н.И. Психология общения. – М.:Юрайт, 2020. – 193 с.
18. Фалей М.В. Педагогическое общение: учебное пособие / М. В. Фалей. – Южно-Сахалинск: изд-во СахГУ, 2014 – 116 с.
19. Психология: учебное пособие/ Отв.редак. Е.В.Казакова, М.В.Корехова, Э.В.Леус. – Архангельск: Изд-во «РАО», 2018. – 237 с.
20. Психология и педагогика. Учебник / ред. Пидкасистый П. И. М.: Юрайт, 2019.- 736 с.
21. Самоукина Н. Психология профессиональной деятельности. 2-изд. - СПб: Питер, 2003. - 224 с: ил. - (Серия «Учебное пособие»).
22. Бермус А. Г. Практическая педагогика. Учебное пособие. М.: Юрайт, 2020.- 128 с.
23. Немов Р. С. Психология: учебник для студентов высших педагогических учебных заведений : в 3 книгах. Книга 1. Общие основы психологии. - 6-е изд. - Москва: ВЛАДОС, 2020. - 687 с.
24. Психология труда: учебник для вузов/ Под ред. Климова Е.А., Носковой О.Г. – М.: Изд-во «Юрайт», 2020. - 249 с.
25. Василюк Ф.Е., Зинченко В.П., Мещеряков Б.Г., Петровский В.А., Пружинин Б.И., Щедрина Т.Г. Методология психологии: проблемы и перспективы. Монография. - М.: «Центр гуманитарных инициатив», 2018. - 528 с.
26. Педагогика аль-Фараби: учеб. пособие. - Алматы: Қазақ ун-ті, 2021. - 165, [1] с. - Библиогр.: с. 162-164.

### **Discipline: "Organization and planning of scientific research"**

#### **Theme 1. The history of scientific activity of the higher school. The role of science in the modern world.**

Science and scientific and pedagogical research. The history of scientific activity of the higher school. The functions of science in society. Typology of scientific research. The history of the development of science in Kazakhstan. Fundamental, applied scientific research and development. The history of the development of

science in Kazakhstan. Researcher and research activity in the field of pedagogy. The role of science in the modern world.

### **Theme 2. Regulatory and legal framework of Kazakhstani science.**

Regulatory and legal framework of Kazakhstani science. Objects of intellectual property. The legislation of the Republic of Kazakhstan in science. The Law of the Republic of Kazakhstan "On Science". The Law of the Republic of Kazakhstan "On innovation activity". The Civil Code of the Republic of Kazakhstan on Intellectual Property Law. Patent Law of the Republic of Kazakhstan. Rules for submitting applications for intellectual property objects in the Republic of Kazakhstan (for pedagogue-psychologists - monograph, textbook, educational manual, electronic textbook, training program, etc.).

### **Theme 3. The system of training and management of scientific and scientific-pedagogical personnel in the Republic of Kazakhstan and abroad.**

Principles and priorities of the State scientific and technical policy of the Republic of Kazakhstan. Priorities in the field of social sciences and humanities. The structure of science management in the Republic of Kazakhstan. Legislation, history, brief description of the state of science in the USA, Japan, France, Germany, Great Britain, Russia, China.

Modern system and stages of training of scientific personnel in the Republic of Kazakhstan and developed foreign countries. Organization of training of scientific personnel in foreign countries. Organization of training of scientific personnel in foreign countries: PhD, Doctor of Science, Full Professor, etc.

### **Theme 4. Regularities of development of science and international scientific and pedagogical cooperation.**

General regularities of the development of science. The laws of growth, dispersion and aging of scientific information.

The system of training scientific and scientific-pedagogical personnel in the Republic of Kazakhstan and abroad. International scientific and pedagogical cooperation. Forms of scientific and pedagogical collaboration of scientists from different countries of the world. Scientific and informational activities on international funds and grants.

### **Theme 5. Methodological, research and ethical culture of the pedagogue. The specifics of the methodology of pedagogical research.**

The structure of the pedagogue's research culture. Axiological, technological, personal and creative component of research culture. Methodological culture and competence of a pedagogue as a researcher. Moral and psychological problems of relationships in the scientific team. The Code of a researcher, a scientist-pedagogue. Norms and principles of scientific etiquette.

Classical and modern methodological principles of pedagogy. Scientific apparatus of scientific and pedagogical research. Methodological apparatus of the study. Methodological parameters of the study. The role of the hypothesis in



scientific and pedagogical research. The leading idea of scientific and pedagogical research.

**Theme 6. Types of scientific - pedagogical research. The structure and types of pedagogical science. Planning the work of a scientist and a team of scientists.**

The creative personality of the scientist, the peculiarities of scientific and creative activity. Types of research teams. Motivation of researchers.

The structure of pedagogical science and types of scientific-pedagogical research. Compliance of the Classifier of specialties with the Nomenclature of scientific specialties.

**Theme 7. Pedagogical experiment. Methods and general characteristics of pedagogical research. The technology of studying scientific literature.**

Types, objects, stages of the pedagogical experiment. Research methods. The concept of classification of methods, criteria and typology: commonality and difference. Traditional classifications of research methods. Classification of methods of pedagogical research on various grounds (according to Yu.K.Babansky).

General technologies of scientific activity. Types of sources of scientific information. Technologies for studying an educational or scientific text. Technology of writing scientific texts. Technology of scientific presentations.

## References

### Basic:

1. Законы РК: «Об образовании», 2007; «О науке», 2011; Концепция о государственной научно-технической политике РК, 2001.

2. Мынбаева А.К. Организация и планирование научных исследований (в области педагогики и образования): учебное пособие для магистратуры. - Алматы: Қазақ университеті, 2017. - 300 с.

3. Скаткин М.Н. Методология и методика педагогических исследований. – М.: Педагогика. – 150 с.

4. Бабанский Ю.К. Проблемы повышения эффективности педагогических исследований. – М.: Педагогика, 1992. – 192 с.

5. Корюкова А.А., Дера Е.Г. Основы научно-технической информации. - М.: Высшая школа. 1985. – 224 с. 5. Кембаев Б.А., Комлев Ю.В. Системы научно-технической деятельности в зарубежных странах: Аналит.обзор. – Алматы, КазгосИНТИ, 1996. - 42с.

### Additional:

1. Мынбаева А.К. История, теории и технологии научной деятельности высшей школы: Монография.-Алматы, 2010. -256 с.

2. Шкляр М.Ф. Основы научных исследований. УП.-М.: Изд. дом «Дашков и К», 2008. – 243с.

3. Тихонов В.А., Корнев Н.В., Верона В.А., Остроухов В.В. Основы научных исследований: теория и практика. СПб.: Гелиос АРВ, 2006.

4. Öchsner, Andreas (2013), "Types of Scientific Publications", Introduction to Scientific Publishing, SpringerBriefs in Applied Sciences and Technology, Springer Berlin Heidelberg, pp. 9–21, doi:10.1007/978-3-642-38646-6\_3, ISBN 9783642386459

5. Mogull, Scott A. (2017). Scientific And Medical Communication: A Guide For Effective Practice. New York: Routledge. ISBN 9781138842557.

6. D. Mavnic (2006). "The "Art" of Plagiarism". Canadian Journal of Civil Engineering. 33 (3): iii–vi. doi:10.1139/l06-901.

7. "Publication Ethical Standards: Guidelines and Procedures". AIAA Journal. 45 (8): 1794. 2007. Bibcode:2007AIAAJ..45.1794.. doi:10.2514/1.32639.