

APPROVED
at a meeting of the
Scientific Council
NJSC “Al-Farabi KazNU”.
Minutes No.10
dated May 23, 2022.

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.

Block	Points
1. Essay	10
2. Test for readiness for doctoral studies	30
3. Exam according to the profile of the group of the educational program	40
4. Interview	20
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 250-300 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»

Topic. 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.

Topic. 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.

Topic. 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.

Topic. 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.

Topic. 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).

Topic. 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.

Topic. 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.

Topic. 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.

Topic. 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.

Topic. 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.

Topic. 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.

Topic. 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.

Topic. 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.

Topic. 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.

Topic. 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. List of Literature.

Main:

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. Андрогиогическая 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-улы, 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. Садыкова, А. М. Болтаева және т.б.; жалпы ред. басқ. С. М. Жақыпов. - Тольқт., 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 эзірлеу: 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»

1 topic. The history of the scientific activity of higher education.

World and Soviet history of higher education. Kazakhstani experience of scientific activity of higher education. Periodization of the development of science in Kazakhstan. The functions of science in society. Typology of scientific research.

2 topic. The role of science in the modern world.

The history of the development of science in Kazakhstan. The role of science and science-intensive technologies in the modernization of modern society. Technological structures. Life cycle of technologies, innovations. Innovative development of the economy. Fundamental, applied research and development. The history of the development of science in Kazakhstan.

3 topic. Legal and regulatory framework Regulatory of Kazakhstani science.

Legal and regulatory framework of Kazakhstani science. Objects of intellectual property. The legislation of the Republic of Kazakhstan on science. Law of the Republic of Kazakhstan “On Science”. Law of the Republic of Kazakhstan “On innovation activity”. Civil Code of the Republic of Kazakhstan on Intellectual Property Rights. Patent Law of the Republic of Kazakhstan. Rules for filing applications for intellectual property in the Republic of Kazakhstan (for teachers and psychologists - a monograph, textbook, study guide, electronic textbook, training program, etc.).

4 topic. Research management 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. Science management structure in the RK. Legislation, history, brief description of the state of science in the USA, Japan, France, Germany, Great Britain, Russia, China.

5 topic. International scientific and pedagogical cooperation.

The system of training scientific and scientific-pedagogical personnel in the RK and abroad. International scientific and pedagogical cooperation. Forms of scientific and pedagogical cooperation of scientists from different countries of the world. Scientific and informational activities for international funds and grants. Databases on international funds and programs. Representative offices of international funds and organizations in Kazakhstan.

6 topic. The system of training scientific and scientific-pedagogical personnel in the RK and abroad.

The history of the emergence and development of academic degrees. Organization of the system of training scientific and scientific-pedagogical personnel in the Republic of Kazakhstan. The modern system and stages of training scientific personnel in the Republic of Kazakhstan and developed foreign countries. Organization of training of scientific personnel in foreign countries. Organization of scientific training in foreign countries: PhD, Doctor of Science, Full Professor, etc.

7 topic. The laws of the science development.

General laws of the science development. The laws of growth, dispersion and aging of scientific information. P. Verhulst`s law of growth retardation. A. Saint-Simon`s law of pulsating growth. The regularity of the scattering of scientific information.

8 topic. Methodological and research culture of a teacher.

The structure of the teacher`s research culture. Axiological component of scientific research culture. Technological component of scientific- research culture. Personal and creative

component of scientific-research culture. Methodological culture and competence teacher competence as a researcher.

9 topic. Ethics of the teacher-researcher.

Moral norms-regulators of the teacher`s behavior as a scientist. Moral and psychological problems of interrelationships in the research team. The code of a scientist, scientist-teacher. Norms and principles of scientific etiquette.

10 topic. Planning scientist research work and team of scientists.

The creative personality of the scientist, features of scientific and creative activities. Types of research teams. Motivation of researchers. The optimal mode of work in a scientific organization.

11 topic. Types of scientific and pedagogical research. The structure of pedagogical science and types.

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

12 topic. The specificity of the methodology of pedagogical research.

The specificity of the methodology of pedagogical research. Classical and modern methodological principles of pedagogy. Scientific apparatus of scientific and pedagogical research.

Methodological apparatus of the research. Methodological parameters of the study. The role of hypothesis in scientific and pedagogical research. The leading idea of scientific and pedagogical research.

13 topic. Pedagogical experiment.

Types of pedagogical experiments. Stages of the pedagogical experiment. Objects of the pedagogical experiment.

14 topic. Methods of pedagogical research and their general characteristics.

Brainstorming «Research Methods». The concept of classification methods. Classification criteria. Classification and typology: commonality and difference. Traditional classifications of research methods. Classification of methods of pedagogical research on various grounds (according to Yu.K. Babansky). Requirements for the selection of methods of pedagogical research.

15 topic. Technology for studying scientific literature.

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

3. List of references

Main:

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: Қазак 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. Mavinic (2006). "The "Art" of Plagiarism". Canadian Journal of Civil Engineering. 33 (3): iii–vi. doi:10.1139/106-901.
7. "Publication Ethical Standards: Guidelines and Procedures". AIAA Journal. 45 (8): 1794. 2007. Bibcode:2007AIAAJ..45.1794.. doi:10.2514/1.32639.