



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert commission to assess compliance with the requirements of the standards of specialized primary accreditation of the educational program

8D10140 Pharmacy

of the SOUTH KAZAKHSTAN MEDICAL ACADEMY

in the period from April 19 to April 21, 2023

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External Expert Commission

**Addressed
to the IAAR
Accreditation Council**



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Shymkent, 2023

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(I) LIST OF DESIGNATIONS AND ABBREVIATIONS

SKMA – JSC «South Kazakhstan Medical Academy»

AIS – automated information system

DLT – distance learning technologies

CEP – Committee of Educational Programs

MH RK – Ministry of Health of the Republic of Kazakhstan

MH RF – Ministry of Health of the Russian Federation

MSHE – Ministry of Science and Higher Education

MES RK – Ministry of Education and Science of the Republic of Kazakhstan

CPD – continuous professional development

EP – educational program

TS – teaching staff

MM – mass media

QMS – quality management system

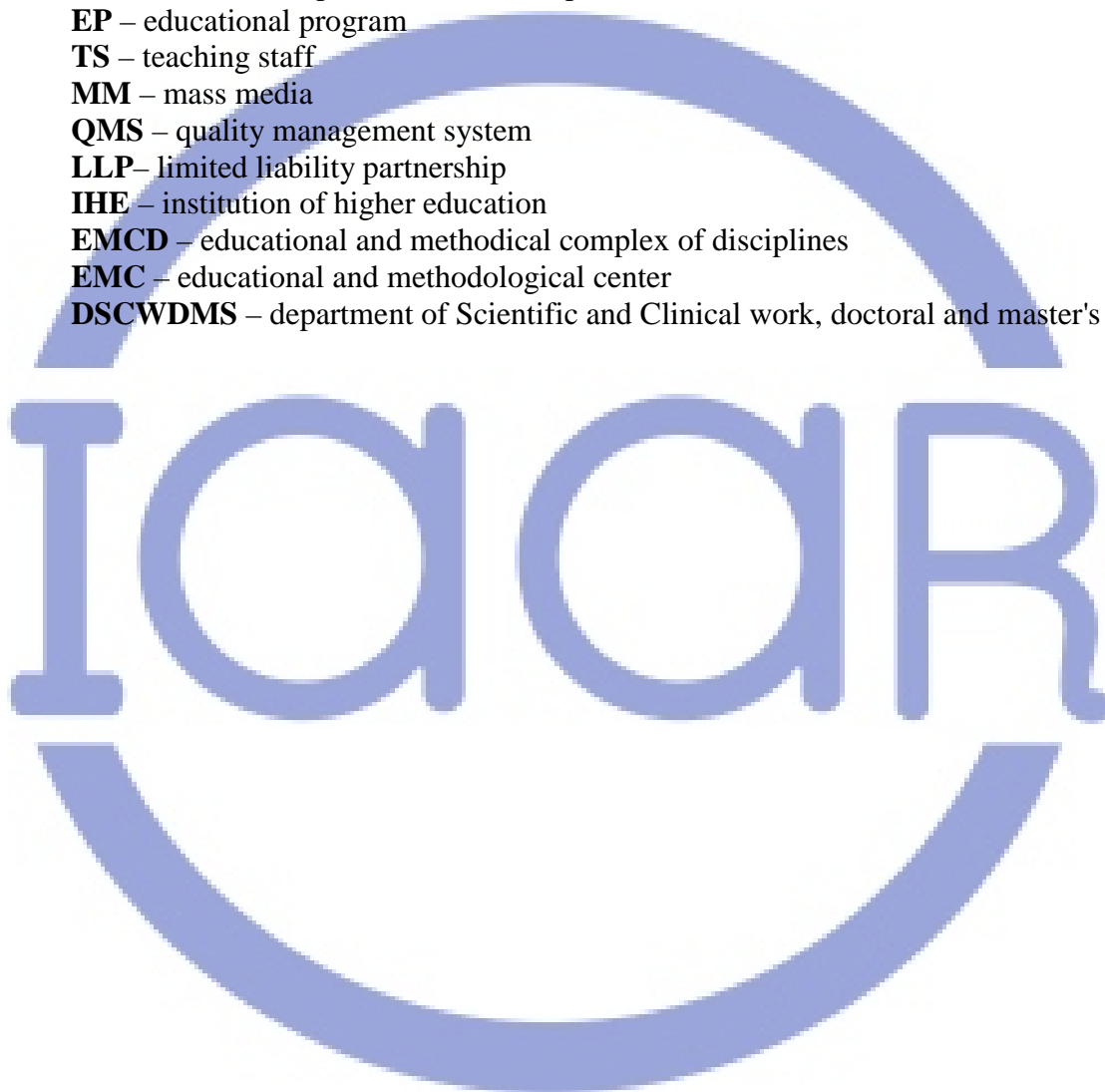
LLP – limited liability partnership

IHE – institution of higher education

EMCD – educational and methodical complex of disciplines

EMC – educational and methodological center

DSCWDMS – department of Scientific and Clinical work, doctoral and master's studies



(II) INTRODUCTION

In accordance with Order № 34-23-OD dated 02/20/2023 of the Independent Agency for Accreditation and Rating (IAAR), from April 19 to 21, 2023, an external expert commission assessed the compliance of the educational program 8D10140 «Pharmacy» of the Joint Stock Company «South Kazakhstan Medical Academy» with the standards of specialized primary accreditation of the IAAR (№ 68-18/1-OD of May 25, 2018, second edition).

The report of the external expert commission (EEC) contains an assessment of the submitted educational program according to the criteria of the IAAR, recommendations of the EEC for further improvement of the educational program and parameters of the profile of the educational program.

The composition of the EEC:

- 1) **Chairperson of the EEC** – Tagadyuk Olga Konstantinovna, Doctor of Medical Sciences, State University of Medicine and Pharmacy named after Nicolae Testemitanu (Republic of Moldova) *Off-line participation*
- 2) **IAAR Expert** – Kiseleva Elena Aleksandrovna, Doctor of Medical Sciences, Professor, Head of the Department of General Practice Dentistry of the Kemerovo State University Medical Institute of the Ministry of Education and Science of the Russian Federation, (Russian Federation) *On-line participation*
- 3) **IAAR Expert** – Lapova Natalia Valeryevna, Candidate of Philological Sciences, Associate Professor, Dean of the Faculty of Pharmacy, Vitebsk State Medical University (Republic of Belarus) *On-line participation*
- 4) **IAAR Expert** – Karibayeva Dina Orynassarovna, Candidate of Medical Sciences, Associate Professor, Al-Farabi Kazakh National University (Republic of Kazakhstan) *Off-line participation*
- 5) **IAAR Expert** – Kurmanalina Gulnar Lukmanovna, Candidate of Medical Sciences, Associate Professor, Non-profit Joint Stock Company «West Kazakhstan Medical University named after Marat Ospanov» (Republic of Kazakhstan) *On-line participation*
- 6) **IAAR Expert** – Nurgaliyeva Zhanar Zhenisovna, Candidate of Medical Sciences, Associate Professor, Kazakh National Medical University named after S.D. Asfendiyarov (Republic of Kazakhstan) *Off-line participation*
- 7) **IAAR Expert** – Burkitbayeva Saule Salimovna, Candidate of Medical Sciences, Associate Professor, Non-profit Joint Stock Company «Astana Medical University» (Republic of Kazakhstan) *Off-line participation*
- 8) **IAAR Expert, employer** - Koysyman Yernar Yerkinbekuly, Deputy Chief Physician of «Neurorehabilitation Centre «Luch» LLP (Republic of Kazakhstan) *On-line participation*
- 9) **IAAR Expert, employer** – Fedorov Sergey Mikhailovich, Head of the Medical Department of the PD of the North Kazakhstan region (Republic of Kazakhstan) *On-line participation*
- 10) **IAAR Expert, student** – Kuat Sultan, 5th-year student of the EP «General Medicine» of Astana Medical University, Member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan) *On-line participation*
- 11) **IAAR Expert, student** – Gabdrakhmanova Nailya Khakimovna, Student of EP «Pediatrics», Semey Medical University, Member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan) *On-line participation*
- 12) **IAAR Expert, student** – Gadzhiyeva Jasmine Aladinovna, Student of the EP «Dentistry» of Astana Medical University, Member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan) *On-line participation*

13) **IAAR Expert, student** – Kakytayeva Assel Yerdosovna, Resident doctor of the EP «Clinical Pharmacology», Semey Medical University, Member of the Alliance of Students of Kazakhstan (Republic of Kazakhstan) *On-line participation*

14) **IAAR Coordinator** – Saydulayeva Malika Akhyadovna, Project Manager of the Independent Agency for Accreditation and Rating (Republic of Kazakhstan) *Off-line participation*

(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

SKMA is the leading medical higher educational institution of the country, which has been providing educational services in the market of Kazakhstan for more than 40 years, trains specialists in medical, pharmaceutical and pharmaceutical engineering at the level of secondary technical vocational education (medical college), higher (bachelor's degree, internship), postgraduate education (master's degree, doctoral degree, residency); at the level of continuous professional development of healthcare personnel (advanced training and retraining of medical and pharmaceutical personnel).

SKMA has a licence of the Committee for Control in the Sphere of Education and Science of MES RK №KZ36LAA00011387, from 28 March 2018, without limitation of term, for the right to carry out educational activities on programmes of technical and professional, higher and postgraduate education, according to which the Academy has the right to issue documents on education of state sample; has a [certificate of institutional accreditation](#), issued by IAQAE from 24.12.2018, registration №IA-A №0095, the validity of the certificate - 22 December 2023.

The main objective of JSC «SKMA» is to create necessary conditions for higher and postgraduate professional education, development and professional formation of personality on the basis of national and universal values, formation of competitive medical and scientific pedagogical staff of higher qualification for improvement of public health, medical education and science.

The Academy provides education in Kazakh, Russian and English languages at 35 departments at pre-diploma and postgraduate levels of education, on the following educational programmes:

Pre-diploma education: «General Medicine», «Pediatrics», «Dentistry», «Nursing», «Public Health», «Pharmacy» and «Technology of Pharmaceutical Production». Postgraduate professional education in 5 master's degree programmes: «Medicine», «Public Health», «Nursing», «Pharmacy», «Medical and Preventive work», 3 doctoral degree programmes: «Pharmacy», «Medicine», «Public Health», 29 residency programmes.

The quality of education and research at SKMA is ensured by a high level of infrastructure: 4 educational buildings with classrooms equipped with interactive equipment; scientific library with reading room and electronic library room; research laboratories «Medicinal Plants Laboratory» and «South Clinical & Genetic Laboratory»; Practical Skills Centre, 2 hostels; 42 clinical bases.

SKMA carries out active international cooperation in the field of medical education, science and practice with medical universities and scientific centres of near and far abroad countries. Partners of JSC SKMA are such universities as: NowySaczGraduate School of Business - National Louis University, Poland (Polish partner university), «Institute of Biomedical Research of the University of Barcelona», Spain; Institute of Neurology, University College of London, Great Britain; University of Medicine and Pharmacy, Romania; Institute of Neurology, University College of London, «St. Petersburg State Paediatric Medical University», Russia, «Tashkent Paediatric Medical Institute», Uzbekistan; and others.

In 2020 South Kazakhstan Medical Academy within the Erasmus+ programme won a grant for the project «[AcceLED - Improvement of Nursing at Master's and PHD Doctoral level in the higher education system of Kazakhstan](#)», where the grant applicant is Lithuanian University of Health Sciences (Lithuania) (implementation years: 2020-2023).

Every year more than 100 students take part in international scientific conferences and research. Thus, on the initiative of the SKMA, since 2013, the South Kazakhstan Medical UCMA, together with the Nazarbayev Foundation, annually holds an international scientific conference of

young scientists and students «Prospects for the development of biology, medicine and pharmacy».

So, on December 8-9, 2022, in JSC «South Kazakhstan Medical Academy» together with the Science Council under the Nursultan Nazarbayev Foundation and the Tajik State Medical University named after Abuali Ibni Sino held the IX International Scientific Conference of young scientists and students «[Prospects for the development of biology, medicine and pharmacy](#)».

SKMA actively participates in international meetings, conferences on the development and implementation of international education standards, global internationalization of research for the successful solution of health problems. The teaching staff of the SKMA carries out 37 scientific and technical projects that have passed state registration. SKMA scientists are co-executors and carry out grant scientific and technical programs.

The passage of high-quality and professional practice of students is carried out at various bases in the Republic of Kazakhstan and abroad.

Youth self-government functions on the basis of the SKMA: student government, student rector, vice-rectors and deans, and the youth center «[Bolashak](#)».

The effectiveness of the activities of the SKMA is confirmed by the reports of the commission for the evaluation of the activities of the SKMA, the successful passage of specialized accreditation.

The following [accreditations](#) have been completed in the IAAR: 7 bachelor's degree educational programs; 28 residency educational programs; 5 college educational programs; 3 doctoral educational programs, 9 master's degree educational programs.

According to the results of the rating of indicators of scientific and innovative activity in 2017, SKMA occupies the 2nd overall place among medical universities of the Republic of Kazakhstan, and in 2018 the 3rd place.

In 2019, SKMA was marked by high national ranking and took the 4th place in the General Institutional Ranking of medical universities of the Republic of Kazakhstan, in the ranking of educational programmes «Master's degree» 1st place in the educational programmes «Pharmacy» and «Medicine», and 2nd place in the ranking of educational programmes «Bachelor's degree» in the educational programme «Public Health», «Pharmacy» and «Nursing» (IAAR).

According to the results of the National ranking of the demand for universities of the Republic of Kazakhstan annually conducted by the IAAR, in 2020 and 2021, the SKMA in the General Ranking of universities of the Republic of Kazakhstan «Top-20» on the 17th place.

Graduates of SKMA successfully work in all regions of Kazakhstan, as well as countries of the near and far abroad. The percentage of graduates' employment remains at a high level from year to year (94.7%), which indicates the recognition, demand and competitiveness of our specialists in the labor market.

Graduates of SKMA in different years lead the medical service of the country: Vice-Minister of Health of the Republic of Kazakhstan - Burkitbayev J.K.; Head of "Heart Centre" JSC in Shymkent - Suigenbayev D.J.; General Director GalamatIntegra, MD, DBA - S. Sypabekov; Coordinator of UNICEF programmes on health and nutrition - K. Sukhanberdiev; Director of Johnson & Johnson in Kazakhstan branch - A. Nazarbayev and others. Also, graduates of «SKMA» JSC occupy leading positions in educational organisations, are heads of city and regional health departments, occupy leading positions in medical and preventive organisations of Shymkent city, Turkestan region and other regions of the Republic of Kazakhstan. Pashimov M.O. - Head of Health Department of Turkestan region, Kapanova K.A. - Deputy Head Doctor for Quality Control of Regional Tuberculosis Dispensary, Serikbayeva S.J. - Head Doctor of LLP Medical Centre «Hirudotherapy», President of the Alliance of Hirudotherapists of Kazakhstan, Doctor-neurologist, Member of Public organisation «Association of Independent Medical Experts of Astana». Narkabulov A.A. - Head physician of the Public Health Department of Turkestan region.

EP 8D10140 "Pharmacy" was introduced in 2018. The EP is designed for 3 years (6 semesters). According to the self-assessment report, 4 departments of the Faculty of Pharmacy participate in the implementation of EP 8D10140 «Pharmacy» - the Department of Pharmacognosy, the Department of Drug Technology, the Department of Pharmaceutical

Management Organization and the Department of Pharmaceutical and Toxicological Chemistry.

Currently, 5 doctoral students, citizens of the Republic of Kazakhstan, are studying under EP 8D10140 «Pharmacy».

10 employees of SKMA will take part in the implementation of EP 8D10140 «Pharmacy»: 1 Doctor of medical Sciences, 1 candidate of medical sciences, 3 doctors of pharmaceutical sciences, 5 candidates of pharmaceutical sciences. Teaching staff have sufficient work experience (16-44 years), significant experience in conducting scientific research.

Graduates of EP 8D10140 «Pharmacy» have the opportunity to find employment in higher educational institutions offering pharmacy programs or in pharmaceutical facilities.

The international cooperation of SKMA within the framework of EP 8D10140 «Pharmacy» is carried out on the basis of agreements (memorandums) with universities. The main areas of cooperation are academic mobility of teachers implementing EP 8D10140 «Pharmacy», internships of doctoral students, implementation of the Erasmus + program. SKMA also has concluded agreements on joint training of doctoral students.

Currently, 4 projects are being implemented within the framework of EP 8D10140 «Pharmacy», the total amount of funding is 404.5 million tenge.

According to the accredited EP, technological regulations for the production of antiseptic hand products with a total volume of 600 thousand tenge have been commercialized at the moment.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

The international specialized accreditation of EP 8D10140 «Pharmacy» according to IAAR standards is held for the first time.

(V) DESCRIPTION OF THE EEC VISIT

The work of the EEC was carried out on the basis of the approved Program of the visit of the expert commission on specialized accreditation of educational programs to the SKMA in the period from April 19 to 21, 2023.

In order to coordinate the work of the EEC, an introductory meeting was held on 18.04.2023, during which powers were distributed among the members of the commission, the schedule of the visit was clarified, and an agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, meetings were held with the rector, vice-rectors of the university in areas of activity, heads of structural divisions, deans of faculties, heads of departments, teachers, students, graduates, employers. A total of 127 representatives took part in the meetings (table 1).

Table 1 - Information about employees and students who took part in meetings with EEC of IAAR:

Category of participants	Quantity
Rector	1
Vice-rectors	3
Heads of structural divisions	19
Deans of faculties	6
Heads of departments	28
Teachers	5
Students	5
Graduates	31

Employers	30
Total	127

During the excursion, the members of the EEC got acquainted with the Laboratory of Medicinal Plants, the Computer-Test Publishing Center, the SKMA Museum, the Anatomical Museum, the Laboratory of Genomic Research, the Library and Information Center, the Dental Clinic, the Center for Practical Skills.

At the meeting of the EEC of IAAR with the target groups of the SKMA, the mechanisms for implementing the university's policy were clarified and the specification of individual data presented in the university self-assessment report was carried out.

For the period of accreditation, classes were not attended, since according to the schedule, classes for doctoral students are not provided for this period.

During the work, the members of the VEC visited the following practice bases of EP 8D10140 «Pharmacy»:

JSC «Himpharm» is a research and development test center, which is the base of research practice for mastering the skills of conducting pharmaceutical and technological research in the development of medicines;

LLP «Zerde-Pharma», which produces biologically active additives from medicinal plant raw materials, is the basis of research practice for mastering the skills of conducting marketing and organizational and economic pharmaceutical research, including within the pharmaceutical cluster.

In accordance with the accreditation procedure, a survey was conducted of 104 teachers, 69 students, including junior and senior students.

In order to confirm the information presented in the Self-Assessment Report, external experts requested and analyzed the working documentation of the university. Along with this, the experts studied the Internet positioning of the university through the official website of the university <https://skma.edu.kz/>.

As part of the planned program, recommendations for improving the accredited educational programs of the SKMA, developed by the EEC based on the results of the examination, were presented at a meeting with the management on 04/21/2023.

(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1. Standard «Mission and final learning outcomes»

Evidentiary part

The mission of SKMA is defined as: «To be a recognized leader in the field of training competitive personnel!».

The mission of EP 8D10140 «Pharmacy» is defined as: «Training of highly qualified, competitive scientific and pedagogical personnel in the field of pharmacy, science and practice».

The mission of EP 8D10140 «Pharmacy» was brought to stakeholders by posting on the [official website](#) of the SKMA, the social network [Facebook](#).

The mission of EP 8D10140 «Pharmacy» is based on the opinion of the participants of the CEP «Pharmacy» (A protocol of a meeting № 2a of 03.10.2022), the Scientific Council of the SKMA (A protocol of a meeting № 7 of 22.10.2022) and approved at the meeting of the Academic Council of the SKMA. Information about the participation of employers in determining the Mission of the EP was not provided during the interview.

SKMA collects information on the implementation of EP 8D10140 «Pharmacy», including using AIS «Platonus», which allows to accumulate information about doctoral students and their achievement of learning outcomes.

A development plan for 2023-2025 has been developed for EP 8D10140 «Pharmacy», which was discussed at meetings of the CEP «Pharmacy» and the Scientific Council of the SKMA and approved by the first Vice-rector of the SKMA. At the same time, the EEC does not present the results of a SWOT analysis of the evaluation of the implementation of this EP, based on the results of which the submitted development plan should have been developed.

At the SKMA Pharmacy Faculty, there is a system that implements academic freedom to implement the current EP 8D10140 «Pharmacy», which is based on the basic principles specified in the [Quality Policy](#) and the [Regulations on the Procedure and Procedures for the development of EP](#). Institutional autonomy allows you to direct resources to the extent necessary for the implementation of EP 8D10140 «Pharmacy». The existence of institutional autonomy and academic freedoms was confirmed during interviews with heads of departments and teaching staff.

For EP 8D10140 «Pharmacy», the final learning outcomes are defined, which are set out in the [content of the EP](#). The final results of the training of EP 8D10140 «Pharmacy» reflect its main provisions, such as: possession of methodological techniques in conducting modern research in the development, production, quality control and research of medicines in accordance with the requirements of the current legislation of the Republic of Kazakhstan and Appropriate pharmaceutical practices, systematization of the results of empirical literature search, organization of the system of external and internal audit of subjects, carrying out pharmaceutical activities, expanding and deepening knowledge, necessary for professional activity and continuing professional education, understanding of the methodology of scientific and pedagogical research and its application in conducting scientific research.

Graduates of EP 8D10140 «Pharmacy» are in demand not only in institutions of higher education, but also for the practical pharmacy sector, as was emphasized during interviews with employers, which confirms the potential benefits of training and mastering competencies for future professional careers not only in educational institutions in the «Pharmacy» profile.

Analytical part

The standard «Mission and final learning outcomes» generally meets the requirements of the IAAR accreditation.

According to the criteria of the standard «Mission and final results of training», SKMA has a Mission of EP 8D10140 «Pharmacy». The mission of EP 8D10140 «Pharmacy» corresponds to the main Mission of SKMA. The approved wording of the mission text of EP 8D10140

«Pharmacy» clearly reflects the purpose of this EP, but does not directly reflect the aspects of its social responsibility and educational strategy, which allows to prepare a competent scientist, researcher at the level of postgraduate medical education in its implementation.

The mission of EP 8D10140 «Pharmacy» is presented on the official website in English, Russian and Kazakh languages.

Development (formulation) the mission of EP 8D10140 «Pharmacy» was carried out within the framework of meetings of the CEP "Pharmacy" and the Scientific Council of the SKMA, which includes stakeholders of the EP: faculty, doctoral students and employers. EP 8D10140 «Pharmacy» is approved at a meeting of the main collegial body of the SKMA – the Academic Council.

SKMA has a development plan for EP 8D10140 «Pharmacy» for 2023-2025, which, according to the information from the self-control report, was formed based on the results of the analysis of the implementation of EP. Documents confirming this information are not provided.

The final learning outcomes of EP 8D10140 «Pharmacy» fully correspond to the current state of pharmaceutical science and allow doctoral students to have the competencies sufficient to conduct independent scientific research in accordance with the principles of the best research practice (Good Research Practice) after completing the EP.

The final learning outcomes of EP 8D10140 «Pharmacy» correspond to the mission of SKMA and learning EP 8D10140 «Pharmacy».

Strengths/Best practices

According to this standard, no strengths have been identified.

EEC Recommendations

1. It is recommended to revise the wording of the text of the Mission of EP 8D10140 «Pharmacy» in order to clearly reflect in it the aspects of social responsibility and the educational strategy of training a competent specialist at the postgraduate level and discuss the new version with all interested parties before 01.09.2023

2. It is recommended to regularly conduct a SWOT analysis of the effectiveness of the implementation of EP 8D10140 «Pharmacy» and discuss its results when developing and approving development plans for this EP from 01/01/2024.

EEC conclusions by criteria:

- *Strong* – 0
- *Satisfactory* – 13
- *Suggest improvements* – 3
- *Unsatisfactory* – 0

6.2. Standard «Research environment and educational resources»

Evidentiary part

To ensure the effective activity of doctoral students of EP 8D10140 «Pharmacy» there is a sufficient material and technical base. A laboratory of medicinal plants has been established and is functioning, equipped with spectrophotometers, chromatographs, and equipment for conducting commodity expertise of medicinal plant raw materials. The presence of this equipment was demonstrated during a visual inspection of the SKMA. In interviews with teaching staff and doctoral students, sufficient promptness on the part of the management of the SKMA in acquiring the necessary consumables for carrying out scientific research was also noted.

Doctoral students are provided with access to scientific literature. SKMA has a library and information center that provides doctoral students with access to a single information and library collection of 546894 copies, scientific databases (Medline, PubMed, Scopus, Thompson Reuters, Cochrane Library, etc.), specialized scientific journals on pharmacy: Pharmacy, Pharmacy of Kazakhstan, Toxicological Bulletin, Pharmateca, Chemical and Pharmaceutical magazine, health news, etc.

The results of doctoral students' research are regularly published in the materials of international conferences, peer-reviewed scientific and practical journals of the Republic of Kazakhstan and neighboring countries, indexed in KazCD, RSCI, etc. The publication activity of doctoral students is confirmed by the documented lists of publications and their prints.

Funding is provided for the research of doctoral students on the following topics:

«Development of effective and safe medicinal products based on domestic plant raw materials» (source of financing – SKMA, 2018-2024, the amount of financing 398 million tenge);

«Development of a therapeutic and prophylactic product based on Morus Alba L. and development of a conceptual project for its production» (source of funding - KazNMU named after S.D.Asfendiyarov, 2021-2023, 4.6 million tenge);

«Development and study of biologically active additives from medicinal plants of Turkestan region» (source of funding – SKMA, 2022-2023, 1 million tenge);

«Improving the use of phytotherapy in the conditions of health and rehabilitation treatment» (source of funding – SKMA, 2023-2025, the amount of funding is 0.9 million tenge).

10 employees of SKMA participate in the implementation of EP 8D10140 «Pharmacy»: 1 Doctor of medical Sciences, 1 candidate of medical sciences, 3 doctors of pharmaceutical sciences, 5 candidates of pharmaceutical sciences. Teaching staff have sufficient work experience (16-44 years), significant experience in conducting scientific research, which is confirmed by the availability of scientific publications and sufficient Hirsch indices in Scopus, Web of science, Google scholar.

SKMA has concluded cooperation agreements within the framework of EP 8D10140 «Pharmacy» with the following organizations:

Federal State Autonomous Educational Institution «I.M.Sechenov First Moscow State Medical University» of the Ministry of Health of the Russian Federation;

Federal State Budgetary Educational Institution «Volgograd State Medical University» of the Ministry of Health of the Russian Federation;

Federal State Budgetary Educational Institution «Bashkir State Medical University» of the Ministry of Health of the Russian Federation;

«Pharmaceutical Research Center of Shahid Beheshti University of Medical Sciences»;

«National University of Pharmacy»;

Educational Institution «Vitebsk State Order of Peoples' Friendship Medical University»;

«Tashkent Pharmaceutical Institute»;

State educational institution «Tajik State Medical University named after Abuali Ibni Sino»;

LLP «Medservice plus»;

LLP «Eco-Farm International»;

LLP «AK NIET GROUP»;

LLP «Murat-Farm»;

LLP «PHYTO-APIPHARM»;

Branch of the Republican State Enterprise on the right of economic management «National Center of Expertise» of the Committee of Sanitary and Epidemiological Control of the Ministry of Health of the Republic of Kazakhstan in the Turkestan region;

LLC «Pharmaceutical Analytics Center».

The existence of memorandums (agreements) on cooperation is confirmed by providing copies of the relevant agreements. The implementation of cooperation agreements was confirmed during interviews with heads of departments and doctoral students.

Doctoral students of EP 8D10140 «Pharmacy» are assigned a scientific consultant from among qualified employees of the SKMA, as well as a foreign specialist. The doctoral students currently studying have the following supervisors from among foreign specialists:

According to the Order of the SKMA № 822 dated 27.10.2021:

Khaliullin F.A., Doctor of Philological Sciences, Professor (Federal State Budgetary Educational Higher Educational Institution «Bashkir State Medical University» of the Ministry of Health of the Russian Federation);

Kaukhova I.E., Doctor of Philological Sciences, Professor (Federal State Budgetary Educational Higher Educational Institution «St. Petersburg State Medical University» of the Ministry of Health of the Russian Federation);

Konovalov D.A., Doctor of Philological Sciences, Professor (Pyatigorsk Medical and Pharmaceutical Institute - branch of the Federal State Budgetary Educational Higher Educational Institution «Volgograd State Medical University» of the Ministry of Health of the Russian Federation);

According to the Order of the SKMA №201 dated 29.12.2022:

Demina N.B., Doctor of Philological Sciences (Federal State Autonomous Educational Higher Educational Institution «First Moscow State Medical University named after I.M. Sechenov» of the Ministry of Health of the Russian Federation);

Bulent Kiran, PhD, (Aegean University, Turkey).

There is also an agreement dated 17.02.2023 on the preparation of a PhD with Dr. GNK Ganesh, Associate Professor of the Academy of Higher Education and Research of the College of Pharmacy JSS, Ooty, Tamil Nadu, India

When interviewing doctoral students, it was noted that they have the opportunity to undergo internships and conduct research on the basis of organizations where their foreign consultants work in accordance with cooperation agreements on a free basis.

Submitted agreements (memorandums) cooperation agreements and agreements on the preparation of a PhD do not currently provide for the possibility of awarding degrees from both universities.

The SKMA implements a system of stimulating scientific activity by reimbursing the expenses of teaching staff within the framework of their scientific work, which affect the indicators of the indicators of the annual rating of the evaluation of educational and scientific activities of the organization. To support the scientific research of the teaching staff, a Regulation on the intra-university competition of scientific grants has been developed. During the interview with the heads of departments and teaching staff, they noted the existence of payments for the publication of research in the journals of the Scopus database, taking into account the percentage of the journal. As well as remuneration in the amount of 2 million tenge for the defense of a doctoral dissertation

Analytical part

The standard «Research Environment and Educational Resources» meets the requirements of the IAAR accreditation.

SKMA provides the necessary material and technical base and information and library services and funds for planning and conducting scientific research by doctoral students of EP 8D10140 «Pharmacy». The effectiveness of these studies as an indicator of the quality of the research environment is confirmed by a significant number of publications of doctoral students in print media of various levels.

For doctoral students, funding for research is provided by both the SKMA and supporter organizations. The teaching staff involved in the implementation of EP 8D10140 «Pharmacy» has sufficient qualifications and competencies.

SKMA has more than 15 agreements (memorandums) on cooperation with medical and pharmaceutical universities, research laboratories, organizations of the practical pharmacy sector at the national and international level. This makes it possible to provide doctoral students of EP 8D10140 «Pharmacy» with access to the necessary research tools and methods and ensuring the achievement of their results at the modern scientific level.

To support cooperation between higher educational institutions, the practice of joint management of doctoral students' research is being implemented within the framework of EP 8D10140 «Pharmacy». The opportunity noted by doctoral students to undergo internships and conduct research on the basis of organizations where their foreign consultants work allows them to ensure that doctoral students achieve the necessary competencies, and also contributes to the internationalization of research. Despite the cooperation within the framework of the joint management of doctoral students of EP 8D10140 «Pharmacy», there are currently no agreements on the possibility of awarding degrees from both universities.

SKMA implements a system of stimulating scientific activity at a high level. The principle of implementation satisfies employees, which is demonstrated during the interview.

Strengths/Best practices

1. A high level of interaction with universities and research laboratories, which allows doctoral students of EP 8D10140 «Pharmacy» to have access to the necessary means and methods of research and ensuring the achievement of their results at the modern scientific level.

2. The significant role of international cooperation in the implementation of EP 8D10140 «Pharmacy» in ensuring the achievement of the necessary competencies and internationalization of research.

3. A developed system of stimulation and motivation of the teaching staff for the development of research work, including in the implementation of EP 8D10140 «Pharmacy».

EEC Recommendations

1. It is recommended to provide for the possibility of implementing joint doctoral programs in the specialty «Pharmacy» with the award of degrees from both universities from 2024.

EEC conclusions by criteria:

- *Strong* – 3
- *Satisfactory* – 25
- *Suggest improvements* – 0
- *Unsatisfactory* – 0

6.3. Standard «Policy and criteria for admission»***Evidentiary part***

The policy and criteria for admission to the SKMA doctoral program are defined by the [«Regulations on admission to PhD doctoral studies»](#), which was developed in accordance with the

Law of the Republic of Kazakhstan «On Education», the Law of the Republic of Kazakhstan «On Science», the Order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 № 600 «On approval of the Standard Rules for admission to education, implementing educational programs of higher and postgraduate education» and other applicable legislative acts. The admission policy and criteria are reviewed in accordance with the requirements of the legislation and the needs of the SKMA.

Teaching staff and the staff of the admission committee of the SKMA conduct career guidance work in such areas as posting information on the official website, in the media and social networks, issuing and distributing information booklets and leaflets, including at educational exhibitions, organizing meetings with graduates in order to familiarize them with EP 8D10140 «Pharmacy». The effectiveness of career guidance work is confirmed by the presence of doctoral students in this EP.

The bodies whose authority includes informing about the start of the work of the admissions committee, organizing the reception of documents of applicants for EP 8D10140 «Pharmacy» are the DSCWDMS and the Registrar's Office. When enrolling in doctoral studies in EP 8D10140 «Pharmacy», the results of entrance exams based on the [Entrance exam Program](#), international certificates confirming foreign language proficiency in accordance with the pan-European competencies (standards) of foreign language proficiency, as well as scientific achievements corresponding to the profile of the EP are taken into account. The procedure for enrolling doctoral students is presented in detail in the [«Regulations on admission to PhD doctoral studies»](#).

Currently, the release of EP 8D10140 «Pharmacy» has not been carried out. Doctoral students, according to the information provided by the SKMA, are trained to meet their own needs for qualified personnel and are planned for employment in the SKMA. At the same time, during interviews with employers, the interest of the practical pharmacy sector in doctoral graduates was noted, which indicates the demand for specialists of this level.

Analytical part

The standard «Policy and Criteria for admission» meets the requirements of the IAAR accreditation.

The SKMA has developed and implemented a policy of admission to doctoral studies and are publicly available on the official website. The criteria for admission to the doctoral program correspond to the Mission of the SKMA and the Mission of EP 8D10140 «Pharmacy». The admission policy and criteria correspond to the legislation and the needs of the personnel customer.

In order to attract and subsequently select for the doctoral program EP 8D10140 «Pharmacy», career guidance work is carried out in sufficient volume (set of 2021 – 2 doctoral students, set of 2022 – 3 doctoral students).

When selecting future doctoral candidates, the admissions committee takes into account both academic performance and scientific achievements of applicants.

Graduates of EP 8D10140 «Pharmacy» are in demand in the labor market both for educational institutions and in the practical pharmacy sector.

Strengths/Best practices

According to this standard, no strengths have been identified.

EEC Recommendations

There are no recommendations for this standard.

EEC conclusions by criteria:

- *Strong* – 0
- *Satisfactory* – 7
- *Suggest improvements* – 0
- *Unsatisfactory* – 0

6.4. Standard «Doctoral Program»***Evidentiary part***

[EP 8D10140 «Pharmacy»](#) is designed for 3 years of full-time education in Russian and Kazakh languages and includes 180 credits. This EP includes modules: basic disciplines (university component), basic disciplines (elective component), profile disciplines (university component) and profile disciplines (university component), pedagogical and research practices that allow you to provide the competencies necessary for further research and teaching activities. The purpose, scope and object of professional activity, learning outcomes and formed competencies are defined for the EP. During the interview with the heads of departments, it was noted that this EP was reviewed internally and reviewed by employers. Positive reviews of employers confirm the compliance of EP 8D10140 «Pharmacy» with the needs of the modern pharmacy sector.

EP 8D10140 «Pharmacy» is carried out in accordance with the approved [working curriculum](#). The procedure for implementing the EP, taking into account the individual learning trajectory, is reflected in the individual work plans of doctoral students, which is confirmed by copies of these documents.

EP 8D10140 «Pharmacy» provides for the execution of an original research work - a doctoral dissertation with its subsequent defense. The research topic is approved when appointing scientific consultants within 3 months after admission to the doctoral program. The order (sequence) of the research is reflected in the individual work plans of doctoral students. The results of the research are provided to doctoral students in the form of a report at least once a semester. Copies of the reports on the implementation of the research work were submitted to the EEC. When interviewing doctoral students, they also verbally provide information about the work done so far and its results.

Compliance with the principles of equality of doctoral students in such matters as age, gender, sexual orientation, religion are guaranteed by both the Constitution of the Republic of Kazakhstan and the Academic Policy of the SKMA. In this regard, the Academic Policy defines the Code of Honor of the teacher and the Code of Honor of the student, the implementation of which is strictly controlled. During the interview with the teaching staff, it noted the absence of violations in the SKMA of these requirements.

The working curriculum provides for doctoral students to complete pedagogical practice in the amount of 10 credits in the second semester at the bases of the departments of the Faculty of Pharmacy of the SKMA with their involvement in conducting classes in bachelor's and master's degrees. The passage of pedagogical practice is provided for in the individual work plans of doctoral students. During the course of pedagogical practice, the doctoral student keeps a diary, reflecting in it the amount of work done, classes conducted, indicating topics and hours. According to the results of the practice, the doctoral student passes a differentiated test (with an assessment). As a confirmation of the planning and passing of pedagogical practice, doctoral students were presented copies of individual work plans and practice diaries.

The completion of a research internship in the amount of 10 credits is planned in the submitted individual work plans of doctoral students in the second year of study. At the time of visiting the EEC, doctoral students were undergoing this type of practice at the bases of scientific laboratories of organizations of practical pharmacy of the Republic of Kazakhstan JSC «Himpharm» and LLP «Zerde-Pharma». When interviewing doctoral students at the practice bases, it was noted that they are sent to practice within the framework of cooperation between the

SKMA and the practice bases. For the period of internship from the organization, a mentor is assigned to the doctoral student, who provides advisory assistance during the internship.

If necessary, doctoral students are allowed to master academic disciplines during the summer semester (with the exception of the final course), lasting up to 6 weeks (2 credits per week), which is provided for in the regulations [«On PhD doctoral studies»](#). The organization of the summer semester is carried out at the end of the academic year on a paid basis according to an individual schedule.

The procedure for considering appeals / appeals in the implementation of EP at all levels, including EP 8D10140 «Pharmacy» is carried out in accordance with Academic Policy. To conduct an appeal, an appeal commission is created by the rector's order from among experienced teachers whose qualifications correspond to the profile of EP 8D10140 «Pharmacy». There were no cases of the need for appeals among the doctoral students of EP 8D10140 «Pharmacy» within the framework of the interview.

Constant monitoring of the quality of the EP is determined by the [Quality Policy of the SKMA](#). The internal quality system of the EP is implemented through the activities of the CEP «Pharmacy», the Scientific Council of the SKMA, which monitor the implementation of plans, including resource provision, analysis of the results of the survey of interested parties, followed by the definition of measures to improve the content of the EP. Routine data collection for monitoring the implementation of the EP is provided by AIS «Platonus», which stores all the necessary information about the achievements of doctoral students. In particular, taking into account the request of doctoral students, an annual revision of the catalog of elective disciplines of doctoral students is carried out, which is confirmed by the provision of copies of these catalogs for 2 years.

The involvement of interested parties in the development, revision and improvement of EP 8D10140 «Pharmacy» is carried out within the framework of their inclusion in collegial bodies (CEP «Pharmacy», the Scientific Council of the SKMA, the Academic Council of the SKMA), which is confirmed by copies of their approved compositions. So, the composition of the CEP «Pharmacy» includes 9 heads of departments, 17 representatives of teaching staff, 1 representative of DSCWDMS 1 doctoral student of EP 8D10140 «Pharmacy», 1 master's student of EP 7M10142 «Pharmacy», 1 employer (director of LLP «Ai-Pharm»), 1 student V-FOB-04-19. A representative from employers (ALE of the Association of Pharmaceutical and Medical Organizations of Damu) also participates in the composition of the Scientific Council of the SKMA and the Academic Council of the SKMA. Confirmation of other forms of involvement of employers in the development, revision and improvement of EP 8D10140 «Pharmacy» was not received during the interview.

Analytical part

The standard «Doctoral Program» meets the requirements of the IAAR accreditation.

EP 8D10140 «Pharmacy» was developed in accordance with the technologies of modular training, taking into account the competence-oriented approach and was reviewed in the appropriate volume and meets the needs of the modern pharmacy sector.

The implementation of the EP is carried out in accordance with approved documents (working curriculum, individual work plan of a doctoral student) and provides for both theoretical training and research work under the guidance of a scientific consultant.

In the form of an Academic Policy, the SKMA defines mechanisms that guarantee the implementation of the principles of equality and Codes of Honor, the possibility of reviewing (appealing) the evaluation results.

SKMA provides doctoral students with EP 8D10140 «Pharmacy» of production practices – pedagogical and research, allowing doctoral students to form the necessary competencies for further pedagogical and scientific activities.

SKMA constantly monitors the implementation of EP 8D10140 «Pharmacy», which ensures the revision of the EP in the required volume.

All interested parties participate in the development, revision and improvement of EP 8D10140 «Pharmacy» exclusively within the framework of activities in the composition of collegial bodies. At the same time, the representation of doctoral students and employers in these bodies is no more than 3% for each group of stakeholders from the total number of members.

Strengths/Best practices

According to this standard, no strengths have been identified.

EEC Recommendations

1. It is recommended to improve interaction with employees of the pharmaceutical sector (not only within the framework of the work of the collegial bodies of the SKMA) in terms of discussing the choice of academic disciplines and their content in accordance with the actual needs of practical pharmacy as a potential employer during the restructuring and implementation of EP 8D10140 «Pharmacy» from 01.09.2023.

EEC conclusions by criteria:

- *Strong* – 0
- *Satisfactory* – 24
- *Suggest improvements* – 0
- *Unsatisfactory* – 0

6.5. Standard «Scientific guidance»

Evidentiary part

Doctoral students of EP 8D10140 «Pharmacy» are assigned two scientific consultants – one of the qualified employees of the SKMA, one from among foreign specialists, which is confirmed by the orders on their appointment.

The procedure for approving the topics of dissertation research of doctoral students and the appointment of scientific consultants is prescribed in the regulations [«On PhD doctoral studies»](#). Scientific consultants for doctoral students currently studying are appointed from among doctors and candidates of pharmaceutical sciences who have sufficient work experience, significant experience in conducting scientific research, which is confirmed by the availability of scientific publications and sufficient Hirsch indices in Scopus, Web of science, Google scholar. The achievements of the appointed scientific consultants are confirmed by the presented portfolios.

The scientific consultant assists the doctoral student in determining the topic and plan of the dissertation research, is responsible for the compliance of the doctoral student with the academic discipline, the implementation of the individual work plan of the doctoral student, the performance of the dissertation work in accordance with the principles of academic integrity and timely submission of it for defense. The foreign scientific consultant of the doctoral student, in turn, is obliged to assist in the doctoral student's research internship abroad and his participation in international conferences and other scientific forums, as well as monitor the progress of the doctoral student's research work within the established time frame

In accordance with the Concept of the development of research activities, SKMA conducts training courses for research supervisors on the policy of implementing doctoral programs, and also provides the necessary information by posting on the official website or by mailing to e-mail.

The SKMA defines the requirements for the organization of the educational process in doctoral studies, the requirements for doctoral dissertation and publication of articles, the organization and conduct of current control, intermediate and final certification, the process of defending a doctoral dissertation are clearly defined in the regulations [«On PhD doctoral studies»](#) and other regulations developed in accordance with the legislation of the Republic of Kazakhstan, which are posted on the [official website](#).

Analytical part

The standard «Scientific Guidance» meets the requirements of the IAAR accreditation.

All doctoral students of EP 8D10140 «Pharmacy» are provided with both domestic and foreign scientific consultant.

The procedure for appointment, requirements for scientific consultants, their duties and responsibilities are clearly defined by the regulations of the SKMA.

Scientific consultants assigned to doctoral students of EP 8D10140 «Pharmacy» are doctors or candidates of pharmaceutical sciences and, according to the data presented in the portfolio, carry out scientific research and publish their results in scientific and practical journals.

For scientific consultants, training courses are regularly organized concerning the implementation of the PhD program.

All stages of training and activities of a doctoral student are defined by the regulations of the SKMA and comply with the legislation of the Republic of Kazakhstan and are available for doctoral students.

The control of the scientific activity of doctoral students on the implementation of the dissertation research is carried out in the form of ongoing control, intermediate and final certification.

Strengths/Best practices

According to this standard, no strengths have been identified.

EEC Recommendations

There are no recommendations for this standard.

EEC conclusions by criteria:

- *Strong* – 0
- *Satisfactory* – 7
- *Suggest improvements* – 0
- *Unsatisfactory* – 0

6.6. Standard «Management and Administration»**Evidentiary part**

EP 8D10140 «Pharmacy» is implemented only in full-time for a duration of 3 years. The structural unit responsible for the implementation of this EP is the DSCWDMS, created by order of the rector №786 dated 01.09.2020. The responsibilities of the DSCWDMS include the organization, coordination, implementation of measures to improve and control the implementation of the EP, the development of business cooperation with Kazakhstani and foreign organizations and the organization of scientific internships for doctoral students, organizational and methodological support of certification, ensuring access to information resources for doctoral students. In order to evaluate the activities of DSCWDMS regarding the achievement of the mission of the EP and the final results of training, questionnaires of interested parties are conducted.

The introduction of innovations in the EP is carried out under the guidance of the EMC, the Department of Strategic Development and International Cooperation, the DLT department and the Faculty of CPD.

The interaction of doctoral students on the issues of EP 8D10140 «Pharmacy» is realized through their inclusion in collegial bodies (CEP «Pharmacy» – 1 person, Scientific Council – 1 person, Clinical Council – 1 person). Also, the heads of departments, representatives of teaching staff, employees of structural divisions, employers, undergraduates and students are included in

these collegial bodies, which is confirmed by copies of the approved compositions of these collegial bodies.

The principle of transparency of management and decision-making on EP is ensured by discussing issues and making significant decisions by majority vote at meetings of departments, collegial governing bodies (Scientific, Clinical, Methodological and Academic Council) and bringing to the attention of interested departments in the form of mailings via the electronic document management system «Documentolog» or posting on the official website.

In SKMA, the distribution of financial resources is carried out in accordance with the approved budget of income and expenses for the corresponding financial year. To plan expenses for the purchase of material assets, applications from departments, faculties and other departments are accepted annually before each upcoming financial year. After collecting applications and analysis, the financial resources of JSC «SKMA» are distributed according to the needs of the educational process. Doctoral students also have the opportunity to apply for the resources necessary for conducting scientific research, which was noted during interviews with the doctoral students themselves.

SKMA is provided with a sufficient number of doctors and candidates of pharmaceutical sciences who have sufficient experience in conducting scientific research. The ratio of teaching staff to doctoral students corresponds to state standards 4:1.

The documents of the [quality management system](#) are defined in the SKMA. Quality assurance is carried out on the basis of MS ISO 9001:2015 and includes an internal and external quality assurance system

The internal quality assurance system includes: self-assessment of departments; self-assessment of SKMA; internal audit of structural units; intra-departmental control; current, intermediate and final certification of students; certification of teaching staff.

The external system includes: certification audit of the QMS; supervisory audit of the QMS; independent certification of graduates; independent certification of teaching staff; certification of the SKMA by the Ministry of Health and the Ministry of Internal Affairs of the Republic of Kazakhstan; institutional and specialized accreditation of the IAAR; post-licensing control by the Ministry of Internal Affairs of the Republic of Kazakhstan.

SKMA has the necessary number of cooperation agreements with organizations of the practical pharmacy sector, which is confirmed by their provision. Since 2023, SKMA has been participating in the work of the Medical and Pharmaceutical cluster together with pharmaceutical organizations of LLP «Ecopharm-International», Group of companies «Zerde», JSC «Himpharm». The involvement of pharmaceutical organizations in the implementation of EP 8D10140 «Pharmacy» was reflected in the submitted individual work plans of doctoral students in the section «research practice». Close cooperation with the practical pharmacy sector was also confirmed during interviews with heads of departments, doctoral students and employers.

Analytical part

The standard «Management and Administration» meets the requirements of the IAAR accreditation.

The form of implementation of EP 8D10140 «Pharmacy» meets the requirements established by the Standard.

The SKMA has identified a structural unit responsible for the implementation of EP 8D10140 «Pharmacy» and the achievement of the necessary final learning outcomes by doctoral students. This structural subdivision – DSCWDMS has all the necessary powers to carry out its activities at the proper level. The structural divisions that are responsible for the introduction of innovations in the EP have also been identified.

To ensure the interaction of doctoral students with management, they are included in collegial bodies, where they participate in the discussion of the design, management and evaluation of EP.

SKMA ensures transparency of the management system and decisions taken on EP 8D10140

«Pharmacy» in accordance with the established procedure.

SKMA provides the necessary financial resources for the development of the EP, which is realized through the acquisition of the necessary material resources at the request of the departments.

The number of employees qualified to ensure the implementation of EP 8D10140 «Pharmacy» meets the requirements.

SKMA has established and operates an internal quality assurance system, which includes a number of stages. The external quality assurance system that ensures the certification of the EP includes from the Ministry of Health and the Ministry of Internal Affairs of the Republic of Kazakhstan, IAAR.

SKMA cooperates with a number of organizations of the practical pharmacy sector in the implementation of EP 8D10140 «Pharmacy», including the organization of research practice.

Strengths/Best practices

According to this standard, no strengths have been identified.

EEC Recommendations

There are no recommendations for this standard.

EEC conclusions by criteria:

- *Strong* – 0
- *Satisfactory* – 27
- *Suggest improvements* – 0
- *Unsatisfactory* – 0

(VII) OVERVIEW OF STRENGTHS/BEST PRACTICES FOR EACH STANDARD

According to the Standard «Mission and final learning outcomes»

According to this standard, no strengths have been identified.

According to the Standard «Research environment and educational resources»

1. A high level of interaction with universities and research laboratories, which allows doctoral students of EP 8D10140 «Pharmacy» to have access to the necessary means and methods of research and ensuring the achievement of their results at the modern scientific level.

2. The significant role of international cooperation in the implementation of EP 8D10140 «Pharmacy» in ensuring the achievement of the necessary competencies and internationalization of research.

3. A developed system of stimulation and motivation of the teaching staff for the development of research work, including in the implementation of EP 8D10140 «Pharmacy».

According to the Standard «Policy and criteria for admission»

According to this standard, no strengths have been identified.

According to the Standard «Doctoral Program»

According to this standard, no strengths have been identified.

According to the Standard «Scientific guidance»

According to this standard, no strengths have been identified.

According to the Standard «Management and Administration»

According to this standard, no strengths have been identified.

(VIII) OVERVIEW RECOMMENDATIONS FOR QUALITY IMPROVEMENT

According to the Standard «Mission and final learning outcomes»

1. It is recommended to revise the wording of the text of the Mission of EP 8D10140 «Pharmacy» in order to clearly reflect in it the aspects of social responsibility and the educational strategy of training a competent specialist at the postgraduate level and discuss the new version with all interested parties before 01.09.2023

2. It is recommended to regularly conduct a SWOT analysis of the effectiveness of the implementation of EP 8D10140 «Pharmacy» and discuss its results when developing and approving development plans for this EP from 01.01.2024.

According to the Standard «Research environment and educational resources»

1. It is recommended to provide for the possibility of implementing joint doctoral programs in the specialty «Pharmacy» with the award of degrees from both universities from 2024.

According to the Standard «Policy and criteria for admission»

There are no recommendations for this standard.

According to the Standard «Doctoral Program»

1. It is recommended to improve interaction with employees of the pharmaceutical sector (not only within the framework of the work of the collegial bodies of the SKMA) in terms of discussing the choice of academic disciplines and their content in accordance with the actual needs of practical pharmacy as a potential employer during the restructuring and implementation of EP 8D10140 «Pharmacy» from 01.09.2023.

According to the Standard «Scientific guidance»

There are no recommendations for this standard.

According to the Standard «Management and Administration»

There are no recommendations for this standard.

(IX) REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION

No.

(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL

The members of the EEC came to the unanimous opinion that EP 8D10140 «Pharmacy» is recommended for accreditation for a period of 5 years.

Appendix 1. Evaluation table «PARAMETERS OF A SPECIALIZED PROFILE»

№		EVALUATION CRITERIA	Positions of the educational organization			
			Strength	Satisfactory	Suggests improvements	Unsatisfactory
1. STANDARD «MISSION AND LEARNING OUTCOMES»						
1.1 Defining the mission						
1	1	Medical education organization must define its mission and communicate it to stakeholders and health sector.		+		
2	2	Medical education institution must ensure that the main stakeholders participate in the development (formulation) of the mission of the educational program		+		
3	3	Medical educational organization must guarantee that the stated mission includes problems of public health, needs of health care delivery system and other aspects of social responsibility.			+	
4	4	Medical educational organization must guarantee that the mission of educational program corresponds to the mission of the organization and allow to prepare a competent researcher at the level of postgraduate medical education.		+		
5	5	The mission statement should contain the goals and educational strategy that allow to prepare a competent scientist, researcher at the level of postgraduate medical education			+	
		Mission of the educational program:				
6	6	should be in line with available resources, opportunities and market requirements; the ways of its support should be determined; access to information about the mission of the medical education institution/educational program for the public should be ensured (availability of information on the HEI's website).		+		
7	7	The mission and goals of the educational program should be discussed at the advisory boards/committees of the HEI and approved by the advisory and consultative council of the HEI		+		
8	8	Medical education institution should systematically collect, accumulate and analyze information about its activity on preparation for implementation of doctoral education program; conduct strengths and weaknesses assessment (SWOT-analysis), on the basis of which the management of medical education institution together with advisory and consultative council should determine policy and develop strategic and tactical plans.			+	
1.2 Institutional autonomy and academic freedom						
		The medical education organization should have institutional autonomy to develop and implement policies for which faculty and administration are responsible, especially with regard to:				
9	9	the development of the educational program;		+		
10	10	the use of allocated resources necessary for the implementation of the educational program		+		
		The medical education organization should guarantee academic freedom to its staff and future doctoral students:				
11	11	in relation to the current educational program, in which it will be allowed to rely on different points of view in the description and analysis of issues in accredited specialties;		+		
12	12	in the possibility of using the results of new research to improve the study of specific disciplines/issues without expanding the educational program.		+		
1.3 Learning outcomes						
13	13	The medical education institution must define the expected learning outcomes that doctoral students are expected to demonstrate after completion of the doctoral program.		+		

14	14	The medical education institution must ensure that doctoral education with the award of PhD, doctoral degree on the profile will provide future doctoral students with competencies that will allow them to become a qualified researcher, capable of conducting independent scientific research in accordance with the principles of best research practice (good research practice).		+		
15	15	Completion of the doctoral program should have potential benefits for those who pursue careers outside of the medical organization and apply their competencies developed during the doctoral program, including - critical analysis, evaluation and solution of complex problems, the ability to transfer new technologies and synthesis of new ideas		+		
16	16	The medical education/research organization should ensure that the process of renewal and restructuring leads to modification of the final learning outcomes of graduates in accordance with the responsibilities assigned to graduates after completion of the doctoral program		+		
Total			-	13	3	-
2. STANDARD «RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES»						
2.1 Research environment						
17	1	The success of individual doctoral programs should be ensured by the organization of a strong and effective research environment		+		
The quality of the research environment should be assessed by analyzing:						
18	2	publication of research results (number of publications, impact factor, etc.) on the profile of doctoral studies in medical education organization/scientific organization.		+		
19	3	the level of attracting external funding for research in medical education/scientific organization.		+		
20	4	the number of qualified and competent researchers, teachers in the group, faculty, educational organization.		+		
21	5	national and international cooperation with research groups of medical organizations, universities, research centers.	+			
22	6	The existence of a procedure/system of research ethics in the medical educational organization.		+		
23	7	Possibility of providing access to facilities necessary for writing the thesis, doctoral programs may include training in other laboratories, preferably in another country, thus ensuring internationalization	+			
24	8	The medical education institution should explore opportunities to provide joint doctoral degree programs from both universities and joint leadership to support collaboration between higher education institutions.		+		
25	9	The medical education institution should ensure that the process of updating educational resources is carried out in accordance with changing needs, such as the recruitment of doctoral students, the number and profile of academic staff, and the doctoral program.		+		
26	10	Medical education institution should be given sufficient autonomy in allocation of resources, including procedures aimed at decent remuneration of teachers while achieving the final results of training	+			
2.2 Material and technical basis						
Medical education institution/scientific organization must have material and technical support that meets the licensing indicators, which include criteria:						
27	1	classrooms, laboratories and their equipment shall be modern and adequate to the goals and objectives of the doctoral program;		+		
28	2	conditions for independent study and research work of future master's students.		+		
29	3	updating and improvement of the material and technical base should be carried out regularly.		+		
30	4	The medical education organization must have sufficient resources for the proper implementation of the doctoral program to ensure: the admission of doctoral students, organization of training in the doctoral program, fulfillment of the dissertation work, academic advising of doctoral students, review, peer review and evaluation of the dissertation, costs of operating expenses, costs of participation in training courses, international scientific conferences, tuition fees for doctoral studies in institutions where this is practiced. stipends for doctoral students in the conditions of variation of the stipend amount.		+		

31	5	Resource policy should be aimed at maintaining and ensuring continuous professional development of teachers of doctoral studies program.		+		
32	6	Medical education institution must have service and support service for future doctoral students, including office-registrar, research centers and laboratories, canteen, buffet, medical center, sports grounds and halls.		+		
33	7	The medical education institution must provide a safe environment for staff, doctoral students, including those who ensure the implementation of the program, patients, if provided by the research, and caregivers, including the provision of necessary information and protection from harmful substances, microorganisms, compliance with safety rules in the laboratory and in the use of equipment.		+		
34	8	The medical education organization should define processes aimed at improving the learning environment of future doctoral students through regular updating, expansion and strengthening of facilities, which should be in line with developments in teaching practice.		+		
2.3 Information technologies						
35	9	Medical education institution/scientific organization must have information support, corresponding to the goals and objectives of the doctoral studies program:		+		
36	10	Library should contain necessary materials for training - educational, technical, scientific and reference literature, various periodical medical publications, etc.;		+		
37	11	Medical education organization must guarantee that future doctoral students will have timely and free access to library resources.		+		
38	12	The library should have basic technical equipment to support daily operations: fax machines, copy machines, computers, printers available for public use, and a telephone with voice mail or answering machine.		+		
39	13	The library should have an informational Web site. The website may include the following elements: links, interlibrary loan forms, full-text electronic journal articles, and a feedback form.		+		
40	14	Medical education organization should regularly monitor library resources, study and implement strategies to meet the existing and future needs of doctoral students, including on the basis of requests of departments and faculties, and the amount of funds allocated for the purchase of educational, methodological, scientific literature.		+		
41	15	Medical educational organization must guarantee that computer classes and terminals with access to information resources (local network, Internet) will be provided for use of doctoral students.		+		
42	16	Medical educational organization must provide a mechanism of control over availability and adequate use of information resources by future doctoral students.		+		
43	17	In medical educational organization should be carried out constant updating, improvement and expansion of information resources base, with providing access of doctoral students to modern electronic databases, including foreign databases (Thomson Reuters (Web of Science, Thomson Reuters) Scopus, Pubmed, Elsevier, etc.).		+		
44	18	The medical education organization shall establish and continuously update on its website a section on doctoral programs to be opened in the new academic year containing the following information: the structure and staffing of the doctoral program department, and the responsibilities of the department head and staff; admission policies, including clear rules about the selection process for doctoral students; a list of doctoral programs; structure, duration and content of doctoral programs; criteria for the appointment of an academic advisor, outlining the characteristics, responsibilities, and qualifications of the academic advisor; methods used to evaluate doctoral students; description of the work of the State Attestation Commission; criteria for the design and writing of the dissertation; description of the dissertation defense procedure; description of the activity of the Dissertation Council (regulations, composition) if it exists; in the absence of a Dissertation Council for the specialty in the university - standard rules for awarding academic degrees/standard regulations on the Dissertation Council; program of quality assurance and regular evaluation of the doctoral program.		+		
Total			3	25	-	-
3. STANDARD «POLICY AND CRITERIA FOR ADMISSION»						

45	1	The medical education institution should establish the relationship between the selection of doctoral students and the mission of the medical education institution, the educational program and the desired quality of graduates.		+		
46	2	Medical education institution/scientific organization must define and implement admission policy, including clearly established regulations on doctoral student selection process.		+		
47	3	Medical education institution must have a system/mechanisms of career guidance work aimed at selection of applicants in the selected specialty of doctoral studies.		+		
48	4	Medical education institution must determine the structure responsible for organization of admission and selection of doctoral students, developed and approved rules/criteria for admission based on established model rules for admission to doctoral studies for higher education institutions, dissemination of information to the general public.		+		
49	5	When selecting prospective doctoral students, the research potential of the applicant should be assessed, rather than simply considering his/her academic performance.		+		
50	6	In medical education organization there should be a system of study of employment, demand, career support and continuous professional development of future graduates.		+		
51	7	The medical education organization should ensure that the renewal and restructuring process leads to adaptation of doctoral student admission policies to meet changing expectations and circumstances, staffing resource needs, changes in the postgraduate education system, and program needs.		+		
Total			-	7	-	-
4. STANDARD «DOCTORAL PROGRAMME»						
4.1 Model of educational program, teaching methods and structure						
52	1	Medical educational organization must guarantee that the educational program is developed on the basis of integrated, complex, competence-oriented approach, with application of modular learning technologies. positively evaluated by external experts/reviewers.		+		
53	2	Medical education institution must define the goal and objectives of doctoral education program, which are aimed at achieving the mission of education institution/educational program and final learning outcomes.		+		
54	3	Medical education institution must ensure that the content of the educational program meets the requirements of the State Educational Standards and standard curriculum of the relevant specialty and is developed taking into account the needs of the labor market.		+		
55	4	Medical education institution shall ensure implementation of educational program by appropriate working curricula, academic calendar, study programs for disciplines, forms of individual study plan of future doctoral students and individual work plan of doctoral student.		+		
56	5	The doctoral program must provide for the performance of original research that requires analytical and critical thinking, which must be carried out under scientific supervision.		+		
57	6	Medical education institution must guarantee that the educational program will be implemented in accordance with the principles of equality.		+		
58	7	Medical educational organization must provide mechanisms to guarantee that future doctoral students fulfill their obligations towards doctors, teachers, patients and their relatives in accordance with the Code of Conduct/Honor Code.		+		
59	8	The doctoral program must guarantee the training of doctoral students in the rules of ethics and responsible conduct of scientific research.		+		
60	9	Medical educational organization must determine the teaching and learning methods appropriate to the educational program and achievement of competencies of students.		+		
61	10	The doctoral program should be structured with a clear time limit equivalent to 3 full-time years and contain: theoretical training, including the study of cycles of basic and specialized disciplines; practical training of doctoral students - various types of practical training, scientific internships; research work, including the fulfillment of doctoral dissertation for scientific and pedagogical doctoral studies; experimental-research work, including the fulfillment of doctoral dissertation for specialized doctoral studies; intermediate and final attestations.		+		

62	11	Medical education organization shall provide mechanisms for implementation of pedagogical practice (in accordance with the type of doctoral studies) for formation of doctoral students' practical skills and teaching methods.		+		
63	12	Medical education organization shall provide mechanisms for implementation of research practice to form doctoral students' knowledge, skills, competencies in the field of the latest theoretical, methodological and technological achievements of domestic and foreign science, modern methods of scientific research, processing and interpretation of experimental data.		+		
64	13	Medical educational organization shall provide mechanisms for implementation of industrial practice (in accordance with the type of doctoral studies) for formation of practical skills, competences and experience of professional activity on the basis of theoretical knowledge of doctoral students in the specialty under study, as well as mastering of advanced experience.		+		
65	14	Medical educational organization must guarantee that doctoral students will have an opportunity for additional training during vacation period in case of academic arrears, desire to master additional credits		+		
66	15	Medical education institution must develop an appeal mechanism that allows future doctoral students to review the decision regarding their achievements in educational programs.		+		
4.2 Evaluation of the doctoral programme						
67	16	Medical educational organization must have a program for monitoring of processes and results, including routine collection of data on key aspects of educational program. The purpose of monitoring is to ensure the quality of the educational process, identifying areas requiring intervention.		+		
68	17	Medical education institution must have approved mechanisms for regular assessment of program quality, including feedback from academic advisors, employers and doctoral students.		+		
69	18	Medical education institution should have mechanisms aimed at systematic collection, analysis of feedback and providing it to faculty and doctoral students, which will include information on the process and products of the educational program, including unfair practices or inappropriate behavior of faculty or doctoral students.		+		
70	19	The medical education organization should ensure that the process of updating and restructuring the program is driven regularly and is designed to: adapting the educational program model and methodological approaches in teaching to ensure that they are appropriate and relevant;		+		
71	20	adjusting the elements of the program and their interrelationship in accordance with advances in medical sciences, with changes in the demographic situation and health status/ morbidity patterns of the population and socio-economic, cultural conditions.		+		
4.3 Stakeholder engagement						
72	21	Medical education institution must ensure that the monitoring program and activities on evaluation of educational program will involve teaching staff, doctoral students, administrative and management staff, employers.		+		
73	22	Medical education institution should ensure that other stakeholders, including representatives of academic and administrative staff, representatives of the public, authorized bodies on education and health care, professional organizations, employers will be involved in the evaluation process.		+		
74	23	Medical education institution should have mechanisms to provide access to the results of evaluation of educational program to all stakeholders.		+		
75	24	Medical education institution should ensure that the process of renewal and restructuring will lead to improvement of the monitoring and evaluation process of the program in accordance with changes in learning outcomes and teaching and learning methods.		+		
Total			-	24	-	-
5. STANDARD «SCIENTIFIC MANAGEMENT»						
76	1	Medical education institution must guarantee that it will identify scientific advisors (domestic and foreign) for each doctoral student.		+		
77	2	Medical education institution must have mechanisms/procedures regulating the process of discussion and approval of the candidate of scientific advisor and doctoral student's research topic according to the standard requirements and SESA.		+		
78	3	The medical education institution must ensure that candidates for scientific advisors will be selected from specialists who have an academic degree and are actively engaged		+		

		in scientific research in the field of science on the specialty of doctoral student's education.				
79	4	The medical education institution should have clearly defined duties and responsibilities of the scientific advisor.		+		
80	5	Medical education institution should plan and organize training courses for scientific advisors on the policy of implementation of doctoral programs, main responsibilities of scientific advisors.		+		
81	6	Medical education institution must have procedures/mechanisms/structures to organize, control the scientific activity of future doctoral students to perform dissertation research.		+		
82	7	Medical education institution must define, approve and publish principles, methods and practices to be used for doctoral students' evaluation, including criteria for evaluation of scientific work.		+		
Total			-	7	-	-
6. STANDARD «MANAGEMENT AND ADMINISTRATION»						
6.1 Program Management						
83	1	Management of the medical education institution must be efficient and ensure the improvement of the educational program.		+		
84	2	Medical educational organization must ensure that doctoral education is carried out only on a full-time basis.		+		
85	3	Medical education institution must determine the structural subdivision responsible for educational programs and achievement of final results of education.		+		
86	4	The structural unit responsible for educational programs must have the authority to plan and implement the educational program, including allocation of allocated resources for planning and implementation of teaching and learning methods, evaluation of doctoral students, evaluation of the educational program and training courses.		+		
87	5	Medical education organization must guarantee interaction of future doctoral students with the management on design, management and evaluation of doctoral programs.		+		
88	6	Medical education institution should encourage and facilitate involvement of future doctoral students in the process of development of educational programs on doctoral training, for which it is necessary to provide appropriate procedures.		+		
89	7	The structural subdivision responsible for educational programs should ensure transparency of the management system and decisions made, which are published in bulletins, posted on the HEI website, included in the protocols for review and implementation.		+		
90	8	Medical education institution should have a structural subdivision responsible for educational programs, for planning and implementation of innovations in educational program.		+		
91	9	Medical education institution should include representatives from other relevant stakeholders in the advisory body responsible for educational programs, including other participants of the educational process, representatives from clinical sites, graduates of medical education institutions, health care/pharmacy professionals involved in the process of education or other faculty members of the University.		+		
		Medical education institution should ensure that the structural unit responsible for the educational program:				
92	10	considers the peculiarities of the conditions in which graduates will have to work and modifies the educational program accordingly.		+		
93	11	considers modification of the educational program on the basis of feedback from the public and society as a whole.		+		
94	12	Medical education organization should ensure that the process of renewal and restructuring leads to improvement of organizational structure and principles of doctoral program management to ensure effective operation and (in perspective) to meet the interests of different groups of stakeholders in the context of changing circumstances and needs.		+		
6.2 Academic leadership						
95	13	Medical educational organization should clearly define the responsibility of academic leadership in relation to the development and management of the educational program		+		
96	14	The medical education organization should periodically evaluate academic leadership regarding the achievement of its mission and ultimate educational outcomes.		+		
6.3 Training budget and resource allocation						
		The medical education organization should:				

97	15	have a clear range of responsibilities and authority to provide the educational program with resources, including the target budget for training;		+		
98	16	plan and allocate resources necessary for implementation of educational program and distribute educational resources in accordance with their needs.		+		
99	17	The system of financing of medical educational organization shall be based on the principles of efficiency, effectiveness, priority, transparency, responsibility, differentiation and independence of all levels of budgets.		+		
100	18	Financial and administrative policy should be aimed at improving the quality of educational program.		+		
		Medical educational organization should:				
101	19	provide sufficient autonomy in resource allocation, including decent remuneration of teachers in the order of achievement of final learning outcomes;		+		
102	20	when allocating resources, take into account scientific advances in the field of medicine and the health problems and needs of the society.		+		
6.4 Administrative staff and management						
		The medical education organization must have adequate administrative and academic staff, including their number and composition according to their qualifications, in order to:				
103	21	ensure the implementation of the educational program and related activities;		+		
104	22	ensure proper management and allocation of resources.		+		
105	23	The medical education institution should develop and implement an internal management quality assurance program, including consideration of needs for improvement, and conduct regular management review and analysis.		+		
106	24	Medical education institution must ensure implementation of doctoral education program in accordance with the quality management system certified by independent organizations.		+		
6.5 Engagement with the health sector						
107	25	Medical education organization shall have constructive interaction with health sector, allied health sectors, society and government, including information exchange, cooperation and initiatives of the organization, which contributes to the provision of qualified specialists in accordance with the needs of the society.		+		
108	26	The medical education organization should provide an operational link between the educational program and subsequent stages of professional training.		+		
109	27	The medical education organization should formalize cooperation with partners in the health sector, which includes the conclusion of formal agreements defining the content and forms of cooperation and/or joint contracting and the establishment of a coordinating committee, and joint activities.		+		
Total			-	27	-	-
Overall			3	103	3	-

Appendix 2. PROGRAM OF THE VISIT TO THE ORGANIZATION OF EDUCATION

Date and time	EEC work with target groups	Position and name of target group participants	EEC work with target groups
<i>18 April, 2023</i>			
20.00-21.00	Preliminary meeting of the EEC	<i>External IAAR Experts</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352 (only for EEC)
<i>Day 1: April 19, 2023</i>			
10.00-10.30	Distribution of responsibility of experts, solution of organizational issues	<i>External IAAR Experts</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352 (only for EEC)
10.30 – 11.10	Interview with the rector	<i>Rector - Rysbekov Myrzabek Myrzashevich, Doctor of Medical Sciences, Professor</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352
11.10-11.25	Technical break		
11.25-12.05	Meeting with vice-rectors	1) <i>First Vice-Rector - Yessirkepov Marlen Makhmudovich, Candidate of Medical Sciences, Professor</i> 2) <i>Vice-Rector for Financial and Economic Activities – Seitzhanova Zhanna Serikzhanovna, MBA</i> 3) <i>Vice-rector for educational and methodological work - Anartayeva Maria Ulasbekovna, MD, Associate Professor</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352

12.05-12.20	Technical break		
12.20-13.00	Meeting with the heads of structural divisions of the NGO	<p>1) <i>The Head of the department of scientific and clinical work, doctoral and master studies - Zhaksylyk Alikhan Altynkhanovich</i></p> <p>2) <i>The Head of the department of strategic development and international cooperation - Akhmetova Alma Abdugarimovna</i></p> <p>3) <i>Chief Accountant - Dinara Ashirkhanovna Baimbetova</i></p> <p>4) <i>The Head of the department of administrative and legal support - Kabishtayev Orynassar Abdugarimovich</i></p> <p>5) <i>The Head of the educational and methodological center - Doltayeva Bibigul Zaydullaevna</i></p> <p>6) <i>The Head of the Human Resources Department - Yeleusizova Gulsara Lesovna</i></p> <p>7) <i>The Head of the center of practical skills (CPS) - Kalmenov Nurlan Zhumanovich</i></p> <p>8) <i>Dean of internship and employment of graduates - Kemelbekov Kanatzhon Saukhanbekovich</i></p> <p>9) <i>The Head of the registrar's office - Syzdykova Saulet Akmurzayevna</i></p> <p>10) <i>The Head of the Library Information Center (LIC) - Darbicheva Raushan Iskakovna</i></p> <p>11) <i>The Head of the Computer-testing, publishing center (CTIC) - Uksikbayev Maksat</i></p> <p>12) <i>The Head of the Department for Social Affairs and Youth Policy - Salim Yerbol Kultursynovich</i></p> <p>13) <i>Head of Quality Assurance and QMS Department Yerzhanov Nurlan Amirovich</i></p> <p>14) <i>The Head of the Department of DLT Khalmetova Shakhnoza Abdulakimovna</i></p> <p>15) <i>The Head of the student registration department - Zhipsibayeva Urzhan Konakbayevna</i></p> <p>16) <i>Director of the Department of AEP- Yunusov Samukhzhon Kasymovich</i></p> <p>17) <i>The Head of the office - Spatayeva Gulnara Zhangubekovna</i></p> <p>18) <i>Compliance officer - Pernebayev Nurgali Alikhanovich</i></p> <p>19) <i>Office of commercialization - Bekaryssova Dana</i></p>	<p>Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09</p> <p>Conference ID: 389 293 1765 Password: 334352</p>
13.00-14.00	Lunch		
14.00-14.15	EEC`s work	External IAAR Experts	<p>Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09</p>

			Conference ID: 389 293 1765 Password: 334352 (only for EEC)
14.15-15.00	Interviews with deans	<p>1) <i>Head of the Department of Scientific and Clinical Work, Doctoral and Master's studies - Zhaksylyk Alikhan Altynkhanovich</i></p> <p>2) <i>Dean of the Faculty of Medicine - Sagtaganov Zhaxybek Ilisbekovich</i></p> <p>3) <i>Head of the residency department - Bektenova Gulmira Yerseitovna</i></p> <p>4) <i>Dean of the International Faculty - Tolbasiyeva Arailym Aibatillayevna</i></p> <p>5) <i>Dean of internship and employment of graduates - Kemelbekov Kanatzhan Saukhanbekovich</i></p> <p>6) <i>Dean of the Faculty of Pharmacy - Umurzakhova Galiya Zhanbyrbayevna</i></p>	<p>Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09</p> <p>Conference ID: 389 293 1765 Password: 334352</p>
15.00-15.15	Technical break		
15.15-16.00	Interviews with the leaders of the EP, heads of departments	<i>Heads of departments, Appendix 1</i>	<p>Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09</p> <p>Conference ID: 389 293 1765 Password: 334352</p>
16.00-16.15	Technical break		
16.15-17.00	Interview with teaching staff EP	<i>Teachers of the EP, Appendix 2</i>	<p>Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09</p> <p>Conference ID: 389 293 1765 Password: 334352</p>
17.00-18.30	Questioning of teaching staff (in parallel)	<i>Teachers of the EP, Appendix 2</i>	The link is sent to the e-mail of the teacher personally
17.00-17.15	Technical break		
17.15-18.30	Visual inspection	<p><i>Medicinal Plants Laboratory</i></p> <p><i>Computer Test Publishing Center</i></p> <p><i>SKMA Museum</i></p> <p><i>Anatomical Museum</i></p> <p><i>Genomic Research Laboratory</i></p>	<p>Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09</p>

		<i>Library and Information Center Dining room Hall Model of the Hospital University dental clinic Practical Skills Center Dormitory</i>	Conference ID: 389 293 1765 Password: 334352
18.30- 18.40	The work of the EEC. Summing up the results of the first day	<i>External IAAR Experts</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352 (only for EEC)
Day 2: April 20, 2023			
10.00- 10.15	EEC`s work	<i>External IAAR Experts</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352 (only for EEC)
10.15- 10.30	Technical break		
10.30- 11.10	Interviews with EP students (in parallel)	<i>Students, Appendix 3</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352
11.10- 12.30	Questionnaire of students (in parallel)	<i>Students, Appendix 3</i>	The link is sent to the e-mail of the teacher personally
11.10- 11.25	Technical break		
11.25- 13.00	Work with the documents of the departments and attendance	<i>Timetable of classes, Appendix 4</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09

	e of teaching staff classes according to the schedule (Appendix 1A with links to classes)		Conference ID: 389 293 1765 Password: 334352
13.00-14.00	Lunch		
14.00-14.15	EEC's work	<i>External IAAR Experts</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352 (only for EEC)
14.15-14.30	Technical break		
14.30-16.00	Visiting the practice bases of the EP	<i>Practice bases, Appendix 5</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352
16.00-16.15	Technical break		
16.15-16.30	EEC's work, discussion	<i>External IAAR Experts</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352 (only for EEC)
16.30-17.10	Interviews with EP employers	<i>Employers' representatives, Appendix 6</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09

			Conference ID: 389 293 1765 Password: 334352
17.10-17.15	Technical break		
17.15-18.00	Interviews with graduates of the EP	<i>Graduates, Appendix 7</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352
18.00-18.10	Technical break		
18.10-20.10	EEC work, discussion of the results of the second day and profile parameters (<i>recording</i>)	<i>External IAAR Experts</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352 (only for EEC)
Day 3: April 21, 2023			
10.00-11.30	The work of the EEC development and discussion of recommendations (<i>recording</i>)	<i>External IAAR Experts</i>	Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09 Conference ID: 389 293 1765 Password: 334352 (only for EEC)
11.30-11.45	Technical break		
11.45-13.00	EEC work, development and recommendations	<i>External IAAR Experts</i>	(Individual work of an expert)

13.00-14.00	Lunch		
14.00-16.00	The work of the EEC discussion, decision-making by voting (<i>recording</i>)	<i>External IAAR Experts</i>	<p>Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09</p> <p>Conference ID: 389 293 1765 Password: 334352 (only for EEC)</p>
16.00-17.00	Preparation by the chairman of information on the results of an external evaluation	<i>Chairperson of the EEC</i>	(Individual work of the Chairperson)
17.00-17.40	Final meeting of the EEC with the leadership of the university	<i>Heads of the university and structural divisions</i>	<p>Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09</p> <p>Conference ID: 389 293 1765 Password: 334352</p>
17.40-17.55	Technical break		
17.55-19.00	Work of the EEC, Discussion of the results of the quality assessment	<i>External IAAR Experts</i>	<p>Link https://us02web.zoom.us/j/3892931765?pwd=Tk9MYWptb2dnV01YMm1oN0Q0dEhSdz09</p> <p>Conference ID: 389 293 1765 Password: 334352 (only for EEC)</p>

Appendix 3. RESULTS OF THE TEACHER'S QUESTIONNAIRE

Total number of questionnaires: 159

1. Your department/faculty?

Faculty of Pharmacy	45,9%
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Faculty of Medicine	44%
Internship	2,5%
International Faculty	2,5%
Others	5,1%

2. Your position

Senior Teacher	35,8%
Teacher	28,3%
Docent (Assistant professor)	18,9%
Professor	6,3%
Head of department	2,5%
Assistant	7,5%
Department assistant	0,6%

3. Academic degree, academic title

Doctor of science	2,5%
Candidates	22,6%
Master	46,5%
PhD	3,1%
Professor	2,5%
Docent (Assistant professor)	5%
Honored Worker	0,6%
Without academic degree	23,9%
Others	0,6%

4. Work experience in this university

Over 5 years	47,4 %
1- 5 years	29,5 %
Less than 1 year	6,4 %
Others	16,7%

5. How satisfied the content of the educational program?

Good	51,6 %
Very good	47,8%
Relatively bad	0,6%

6. Does the university provide an opportunity for continuous development of teachers?

Very good	43,4 %
Good	52,2 %
Relatively bad	1,9 %
Bad	2,5%

7. What extent can teachers use their own strategies to?

Very good	36,5%
Good	57,2 %
Relatively bad	4,4%
Bad	1,9%

8. To what extent can teachers use their own methods?

Very good	46,5 %
Good	50,9 %
Relatively bad	1,9 %
Bad	0,6 %

9. To what extent can teachers use their own innovations in the learning process?

Very good	50,9 %
Good	46,5 %
Relatively bad	2,5 %

11. How is the attention of the management of the educational institution paid to the content of the educational program?

Very good	52,2 %
Good	46,5 %
Relatively bad	1,3 %

12. How do you assess the availability of the necessary scientific and educational literature in the library for teachers?

Very good	52,2 %
Good	44,7 %
Relatively bad	2,5 %
Bad	0,6 %

13. Assess the level of development of conditions for students with different physical abilities?

Very good	35,8 %
Good	59,7 %
Relatively bad	1,9 %
Bad	1,9 %
Very bad	0,6 %

14. Оцените доступность высшего руководства студентам

Очень хорошо	47,8 %
хорошо	49,7 %
Относительно плохо	2,5 %

15. Assess the accessibility of top management to faculty

Very good	44 %
Good	49,1 %
Relatively bad	4,4 %
Bad	1,9%
Very bad	0,6%

16. Assess the involvement of teaching staff in the process of making managerial and strategic decisions

Very good	29,6 %
Good	59,1 %
Relatively bad	6,9 %
Bad	2,5 %
Very bad	1,9 %

17. How is the innovation activity of teaching staff encouraged?

Very good	38,4 %
Good	51,6 %
Relatively bad	6,3 %
Bad	2,5 %
Very bad	1,3%

18. Assess the level of feedback from teaching staff with management

Very good	42,1 %
Good	50,3 %
Relatively bad	5 %
Bad	1,9 %
Very bad	0,6 %

19. What is the level of stimulation and involvement of young professionals in the educational process?

Very good	42,1 %
Good	49,7 %
Relatively bad	5,7 %
Bad	2,5 %

20. Assess how equal opportunities are given to all teaching staff

Very good	38,4 %
хорошо	56,6 %
Relatively bad	3,1 %
Bad	1,3 %
Very bad	0,6 %

21. Assess the adequacy of recognition of the potential and abilities of teachers

Very good	37,7 %
Good	57,2 %
Relatively bad	3,8 %
Bad	0,6 %
Very bad	0,6 %

22. How is the work on academic mobility organized?

Very good	35,8 %
Good	57,9 %
Relatively bad	5%
Bad	1,3 %

23. How is the work to improve the qualifications of teaching staff organized?

Very good	40,3 %
Good	52,8 %
Relatively bad	3,8 %
Bad	3,1 %

24. Evaluate the support of the university and its leadership for the research initiatives of the teaching staff

Very good	39 %
Good	53,5 %
Relatively bad	6,3 %
Bad	0,6 %
Very bad	0,6 %

25. Assess the speed of development of new educational programs

Very good	40,9 %
Good	57,2 %
Relatively bad	1,3 %
Bad	0,6 %

26. Assess the level of faculty's ability to combine teaching with research

Very good	32,1 %
Good	56 %
Relatively bad	9,4 %
Bad	1,3 %
Very bad	1,3 %

27. Assess the level of the teaching staff's ability to combine teaching with practical activities

Very good	32,7 %
Good	59,7 %

Relatively bad	6,3 %
Bad	0,6 %
Very bad	0,6 %

28. Assess the extent to which students' knowledge obtained at this university corresponds to the realities of the requirements of the modern labor market

Very good	36,5 %
Good	61,6 %
Relatively bad	1,3 %
Very bad	0,6 %

29. How does the leadership and administration of the university perceive criticism?

Very good	25,8 %
Good	54,7 %
Relatively bad	13,2 %
Bad	5 %
Very bad	1,3 %

30. In your opinion, how do the curricula of educational organizations form the ability of students to analyze situations and make forecasts?

Very good	30,2 %
Good	66,7 %
Relatively bad	2,5 %
Very bad	0,6 %

31. Assess how much the share of the rate assigned to you corresponds to your desires and possibilities?

Very good	30,2 %
Good	55,3 %
Relatively bad	10,1 %
Bad	3,8 %
Very bad	0,6 %

32. Why do you work in this university?

Like
 Like the profession
 I like
 Prestige
 like
 I like
 Super university
 Graduated

Moving to this city
 Opportunity for professional development and career advancement
 Good incentive + career growth
 There is a perspective
 I am a patriot of my university and I really like the work in our academy
 I love this university
 Because I love my job
 I defended my Ph.D. thesis at SKMA. Much attention is paid to clinical pharmacology at the university.
 Like teaching
 Promising university
 promising university
 I like the method of teaching and healing
 Because everything is transparent, objective. There is an opportunity for career growth
 for creative work
 Very potential university
 Because I'm used to the team
 discipline high I like it, there is support from management and career growth
 Because it is easier to work with students than with students
 Native University
 It happened
 Can't find another job
 Super university
 Like to teach
 Everything suits me
 Difficult to answer
 I think this university is one of the best
 Good university
 Because I know this university and its kings of employees for a long time
 I like teaching and working with interns
 The team is very good, I like working with students
 good conditions and perspective
 Arranges
 I like to work at the university
 good university
 Tt
 I like the academy in all EPs
 Good conditions for career growth
 used to
 Necessary
 For further development
 Ability to teach in English
 Because
 I like this job
 professional activities, career development...
 I like the university, conditions, atmosphere, prestigious
 I'm satisfied in every way
 By profession
 I studied here
 I like to teach
 In our region, there is no other worthy medical university or medical faculty in other universities
 In order to train highly qualified specialists

33. How often do you have workshops and lectures with practitioners in your course?

Very often	25,2 %
Often	46,5 %
Sometimes	25,2 %
Very rarely	2,5 %

Never	0,6 %
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34. How often do additionally invited teachers participate in the learning process?

Very often	17 %
Often	46,5 %
Sometimes	31,4 %
Very rarely	2,5 %
Never	2,5 %

35. Как часто Вы сталкиваетесь в своей работе со следующими проблемами:

Often	12,6 %
Sometimes	44,7 %
Never	42,8 %

35.2 Unbalanced study load by semesters

Often	5 %
Sometimes	47,2 %
Never	47,8 %

35.3 Unavailability of required books in the library

Often	5 %
Sometimes	30,2 %
Never	64,8 %

35.4 Переполненность учебных групп (слишком большое количество студентов в группе)

часто	18,9 %
иногда	37,1 %
никогда	44 %

35.5 Inconvenient schedule

Often	11,3 %
Sometimes	42,8 %
Never	45,9 %

35.6 Poor classroom conditions

Often	8,3 %
Sometimes	31,4 %
Never	60,3 %

35.7 No internet access

Often	8,2 %
Sometimes	28,9 %
Never	62,9 %

35.8 Low discipline of students

Often	2,5 %
Sometimes	44 %
Never	53,5 %

35.9 Untimely receipt of information about events

Often	2,5 %
Sometimes	31,4 %
Never	66 %

35.10 Lack of technical facilities in classrooms

Often	6,9 %
Sometimes	42,8 %
Never	50,3 %

35.11 Other problems

No

No

No

The salary is meager

No problem

no problem

Don't know

Class starts at 8.00

Low salary of teaching staff

Not available

If there are problems, they are solved at every level.

The problem was not

Low salary, no incentives, bonuses. Big load hours.

Ttt

Very low salary, even comparatively

The salary is very small

Lots of student group. Little practice

No problems

There is no opportunity to implement an additional allowance, non-working KPI.

No problem

No problem

Pay for professional development

36. There are many different sides and aspects in the life of the university, which in one way or another affect every teacher and employee. Rate how satisfied you are:

Completely satisfied	52,8 %
Partially satisfied	37,1 %
Not satisfied	2,5 %
Difficult to answer	7,5 %

36.2 Relationships with direct management

Completely satisfied	67,3 %
Partially satisfied	27,7 %
Not satisfied	0,6 %
Difficult to answer	4,4 %

36.2 Relationships with direct management

Completely satisfied	67,3 %
Partially satisfied	27,7 %
Not satisfied	0,6 %
Difficult to answer	4,4 %

36.3 Relationships with colleagues in the department

Completely satisfied	86,8 %
Partially satisfied	12,6 %
Difficult to answer	0,6 %

36.4 Participation in management decision making

Completely satisfied	51,6 %
Partially satisfied	35,8 %
Not satisfied	7,5 %
Difficult to answer	5%

36.5 Relations with students

Completely satisfied	83%
Partially satisfied	16,4 %
Difficult to answer	0,6 %

36.6 Recognition of your successes and achievements by the administration

Completely satisfied	57,9 %
Partially satisfied	32,7 %
Not satisfied	5,7 %
Difficult to answer	3,8

36.7 Recognition of your successes and achievements by the administration

Completely satisfied	61 %
Partially satisfied	31,4 %
Not satisfied	4,4 %
Difficult to answer	3,1 %

36.8 Terms of pay

Completely satisfied	30,8 %
Partially satisfied	35,8 %
Not satisfied	5,7 %
Difficult to answer	27,7 %

36.9 Convenience of work, services available at the university

Completely satisfied	54,7 %
Partially satisfied	37,1 %
Not satisfied	3,8 %
Difficult to answer	4,4 %

36.10 Occupational health and safety

Completely satisfied	66,7 %
Partially satisfied	28,3 %
Difficult to answer	3,1 %
Not satisfied	1,9 %

36.11 Management of changes in the activities of the university

Completely satisfied	54,7 %
Partially satisfied	35,8 %
Difficult to answer	7,5 %
Not satisfied	1,9 %

36.12 Provision of benefits: rest, sanatorium treatment, etc.

Completely satisfied	30,2 %
Partially satisfied	25,8 %
Difficult to answer	14,5%
Not satisfied	29,6 %

36.13 Food system, medical and other services

Completely satisfied	37,7 %
Partially satisfied	28,3 %
Difficult to answer	13,2 %
Not satisfied	20,8 %

36.14 Food system, medical and other services

Completely satisfied	40,3 %
Partially satisfied	29,9 %
Difficult to answer	13,6 %
Not satisfied	16,2 %

Appendix 4. RESULTS OF STUDENT QUESTIONNAIRE

Total number of questionnaires: 94

1. Your educational program?

General medicine	31,9%
Medicine	2,1%
Stomatology	13,8 %
Pediatrics	6,4 %
TPhI	3,2 %
Others	42,6%

2. Gender

Male	42,6%
Female	59,6 %

3. How satisfied are you with: 3.1 Relations with the dean's office

Completely satisfied	81,9 %
Partially satisfied	16 %
Partially dissatisfied	2,1%
Not satisfied	0%

3.2. Dean's office accessibility level

Completely satisfied	79,8 %
Partially satisfied	17 %
Partially dissatisfied	2,1%
Difficult to answer	1,1%

3.3. The level of accessibility and responsiveness of the university management

Completely satisfied	80,9 %
Partially satisfied	17 %
Partially dissatisfied	1,1%
Difficult to answer	1,1%

3.4 Availability of academic counseling

Completely satisfied	79,8 %
Partially satisfied	14,9 %
Partially dissatisfied	2,1%

3.5 Support with educational materials in the learning process

Completely satisfied	79,8%
Partially satisfied	18,1%
Partially dissatisfied	1,1%
Difficult to answer	1,1%

3.6 Availability of personal counseling

Completely satisfied	80,9%
Partially satisfied	13,8 %

Partially dissatisfied	1,1%
Difficult to answer	4,3 %

3.7 Financial and administrative services of the educational institution

Completely satisfied	74,5%
Partially satisfied	20,2%
Partially dissatisfied	1,1%
Difficult to answer	4,3%

3.8 Availability of health services for students

Completely satisfied	76,6 %
Partially satisfied	19,1%
Partially dissatisfied	1,1%
Difficult to answer	2,1%

3.9 The quality of the student health service

Completely satisfied	76,6 %
Partially satisfied	21,3 %
Partially dissatisfied	1,1%
Difficult to answer	1,1%

3.10 The level of availability of library resources

Completely satisfied	79,8 %
Partially satisfied	16 %
Partially dissatisfied	3,2%
Difficult to answer	1,1%

3.11 The quality of services provided in libraries and reading rooms

Completely satisfied	81,9 %
Partially satisfied	16 %
Partially dissatisfied	1,1%
Difficult to answer	1,1%

3.12 Satisfaction with the existing educational resources of the university

Completely satisfied	76,6 %
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Partially satisfied	21,3 %
Partially dissatisfied	1,1%
Difficult to answer	1,1%

3.13 Availability of computer classes and Internet resources

Completely satisfied	85,1 %
Partially satisfied	10,6%
Partially dissatisfied	2,1%
Difficult to answer	1,1%
Not satisfied	1,1 %

3.14 The usefulness of the website of educational organizations in general and faculties in particular

Completely satisfied	87,2 %
Partially satisfied	11,7%
Difficult to answer	1,1%

3.15 Study rooms, auditoriums for large groups

Completely satisfied	79,8 %
Partially satisfied	12,8%
Difficult to answer	2,1%
Partially dissatisfied	5,3%

3.16 Proportionate rooms for small groups

Completely satisfied	78,7 %
Partially satisfied	18,1 %
Difficult to answer	1,1%
Partially dissatisfied	1,1%
Not satisfied	1,1%

3.17 Lounges for students (if any)

Completely satisfied	62,8 %
Partially satisfied	12,8 %
Difficult to answer	10,6%
Not satisfied	11,7%

Partially dissatisfied	2,1 %
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3.18 Clarity of procedure for taking disciplinary action

Completely satisfied	79,8 %
Partially satisfied	17%
Difficult to answer	2,1%
Partially dissatisfied	2,1%

3.19 The overall quality of study programs

Completely satisfied	78,9 %
Partially satisfied	16%
Difficult to answer	1,1%
Partially dissatisfied	4,3%

3.20 Teaching methods in general

Completely satisfied	78,7%
Partially satisfied	17%
Difficult to answer	1,1%
Partially dissatisfied	3,2%

3.21 Quick response to feedback from teachers regarding the educational process

Completely satisfied	80,9 %
Partially satisfied	14,9%
Difficult to answer	1,1%
Partially dissatisfied	3,2%

3.22 The quality of teaching

Completely satisfied	83 %
Partially satisfied	13,8 %
Difficult to answer	1,1%
Partially dissatisfied	2,1%

3.23 Academic load / requirements for the student

Completely satisfied	73,4 %
Partially satisfied	14,9%

Difficult to answer	1,1%
Partially dissatisfied	7,4%
Not satisfied	3,2%

3.24 Fairness of examinations and certification

Completely satisfied	86,2 %
Partially satisfied	12,8 %
Difficult to answer	3,2%

3.25 Timeliness of student assessment

Completely satisfied	78,7 %
Partially satisfied	20,2 %
Difficult to answer	1,1%

3.26 Explaining to you before entering the rules and strategies of the educational program (specialty)

Completely satisfied	83 %
Partially satisfied	12,8 %
Difficult to answer	2,1%
Partially dissatisfied	2,1 %

3.27 Уровнем исполнения данных правил и стратегий образовательной программы (специальности)

Completely satisfied	85,1%
Partially satisfied	11,7 %
Difficult to answer	1,1%
Partially dissatisfied	2,1%

3.28 Informing the requirements in order to successfully complete this specialty

Completely satisfied	84 %
Partially satisfied	12,8%
Difficult to answer	1,1%
Partially dissatisfied	2,1%

3.29 Conducted tests and exams Like

Completely satisfied	80,9 %
Partially satisfied	14,9%
Difficult to answer	2,1%

Partially dissatisfied	1,1%
Not satisfied	1,1%

3.30 Available computer classes

Completely satisfied	80,9 %
Partially satisfied	13,8%
Difficult to answer	2,1%
Partially dissatisfied	3,2%

3.31 Available scientific laboratories

Completely satisfied	79,8 %
Partially satisfied	10,6 %
Difficult to answer	2,1%
Partially dissatisfied	5,3 %
Not satisfied	2,1%

3.32 Relationship between student and teacher

Completely satisfied	85,1 %
Partially satisfied	11,7 %
Difficult to answer	1,1%
Partially dissatisfied	2,1%

3.33 Objectivity and fairness of teachers

Completely satisfied	84 %
Partially satisfied	11,7%
Partially dissatisfied	3,2%
Difficult to answer	1,1%

3.34 Informing students about courses, educational programs, and academic degrees

Completely satisfied	83 %
Partially satisfied	12,8%
Partially dissatisfied	2,1%
Difficult to answer	1,1%
Not satisfied	1,1%

3.35 Providing students with a hostel

Completely satisfied	81,9 %
Partially satisfied	8,5 %
Difficult to answer	9,6 %

4. Rate how much you agree:

4.1 The course program was clearly presented

Full consent	77,7 %
Agreement	18,1 %
Partially agree	3,2%
Disagree	1,1%

4.2 Course content is well structured

Full consent	76,6 %
Agreement	16 %
Partially agree	7,4 %

4.3 Key terms adequately explained

Full consent	75,5 %
Agreement	22,3 %
Partially agree	2,1 %

4.4 The material taught is up to date.

Full consent	74,5 %
Agreement	19,1%
Partially agree	6,4 %

4.5 The teacher uses effective teaching methods

Full consent	74,5 %
Agreement	19,1%
Partially agree	6,4 %

4.6 The teacher owns the material being taught

Full consent	73,4 %
Agreement	24,5 %
Partially agree	1,1 %

Disagree	1,1%
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4.7 The lecturer's presentation is clear

Full consent	74,5 %
Agreement	22,3 %
Partially agree	2,1%
Disagree	1,1%

4.8 The teacher presents the material in an interesting way

Full consent	70,2 %
Agreement	25,5%
Partially agree	3,2 %
Disagree	1,1 %

4.9 The teacher satisfies my requirements for personal development and professional development

Full consent	76,6 %
Agreement	17 %
Partially agree	6,4 %

4.10 The teacher stimulates the activity of students

Full consent	77,7 %
Agreement	16 %
Partially agree	5,3 %
Disagree	1,1 %

4.11 The teacher stimulates the creative thinking of students

Full consent	75,5 %
Agreement	18,1%
Partially agree	4,3 %
Disagree	2,1%

4.12 Appearance and manners of the teacher are adequate

Full consent	79,8 %
Agreement	17 %
Partially agree	3,2 %

4.13 The teacher has a positive attitude towards students

Full consent	77,7 %
Agreement	17 %
Partially agree	5,3 %

4.14 Continuous assessment (seminars, tests, questionnaires, etc.) reflects the content of the course

Full consent	76,6%
Agreement	17%
Partially agree	6,4 %

4.15 Evaluation criteria used by the instructor are clear

Full consent	75,5 %
Agreement	20,2 %
Partially agree	4,3 %

4.16 The teacher objectively evaluates the achievements of students

Full consent	74,5 %
Agreement	21,3 %
Partially agree	4,3 %

4.17 The teacher speaks in a professional language

Full consent	76,6 %
Agreement	17 %
Partially agree	3,8 %

4.18 The organization of education provides sufficient opportunities for sports and other leisure activities.

Full consent	70,2 %
Agreement	20,2 %
Partially agree	8,5 %
Disagree	1,1 %

4.19 Facilities and equipment for students are safe, comfortable and modern

Full consent	73,4 %
Agreement	20,2 %
Partially agree	5,3 %

Complete disagreement	1,1 %
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4.20 The library is well stocked and has a fairly good collection of books.

Full consent	75,5 %
Agreement	17 %
Partially agree	5,3 %
Disagree	2,1 %

4.21 Equal opportunities are provided to all students

Full consent	75,5 %
Agreement	18,1 %
Partially agree	5,3 %
Complete disagreement	1,1 %

Other issues regarding the quality of teaching

No

Missing

No

No problem

No

Everything is at a high level

-

None as such.

Net

No problem

No

there are no problems

Improve digitalization in the educational process

No

Everything is old lack of materials for laboratory work