

To Accreditation Council  
Of Eurasian Centre for Accreditation and  
Quality Assurance in Higher Education and health care  
04/30/2021

**REPORT**  
**OF THE EXTERNAL EXPERT COMMISSION ON THE RESULTS OF**  
**EVALUATION OF EDUCATIONAL PROGRAMMES**  
**7M10103 "HYGIENE" PROFILE DIRECTION**  
**LLP "KAZAKHSTAN MEDICAL UNIVERSITY "KSPH""**  
**IN COMPLIANCE WITH STANDARDS FOR ACCREDITATION OF**  
**EDUCATIONAL PROGRAMMES OF MASTER'S SPECIALTIES (PRIMARY**  
**ACCREDITATION)**

**Period of external expert evaluation: 04/21/2021 - 04/23/2021**

**Almaty, 2021**

### LIST OF SYMBOLS AND ABBREVIATIONS:

AD	Administrative department
HEI	Higher educational institution
SAC	State Attestation Commission
SCES	State Compulsory Education Standard
DPE	Department of Postgraduate Education
DSD&QMS	Department of Strategic Development and Quality Management System
DEiF	Department of Economics and Finance
ECAQA	Eurasian Center for Accreditation and Quality Assurance in Education and Health care
KMU "KSPH"	Kazakhstan Medical University "KSPH"
CT	Comprehensive testing
CED	Catalog of elective disciplines
CE	Comprehensive exam
MoH RK	Ministry of Health of the Republic of Kazakhstan
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
EMC	Educational and Methodological Council
OHPE	Organization of higher and postgraduate education
PHC	Public health care
RDMT	Registration and defense of a master's thesis
RC	Required component
Faculty	Faculty
RK	The Republic of Kazakhstan
Media	Media
TC	Typical curricula
AC	Academic Council
EDS	Electronic digital signature
CBL	Challenge Based Learning
GPA	Grade Point Average
<b>MBA</b>	<i>Master of Business Administration</i>
PhD	Philosophy Doctor
TBL	Team Based Learning
PBL	Problem Based Learning

## **1. Composition of the External Expert Commission**

In accordance with ECAQA Order No. 9 dated 03/15/2021, an External Expert Commission was formed to conduct in the period 21-23.04.2021 external assessment within the framework of institutional and specialized accreditation of the Limited Liability Partnership "Kazakhstan Medical University" KSPH "



### **Chairperson of the External Expert Commission**

**MORENKO MARINA ALEKSEEVNA**

Doctor of Medical Sciences, Head of the Department of Pediatric Diseases with courses of allergology, immunology, hematology and endocrinology of JSC "Astana Medical University"



### **Foreign expert**

**RAKHIMOV BAHODIR BAKHTIYOR ULI,**

Doctor of Medical Sciences, Sanitary Doctor, Hygienist and Epidemiologist, Assistant at the School of Public Health of the Tashkent Medical Academy, Researcher at Koryo University



### **National academic expert**

**ERMUKHANOVA LYUDMILA SERGEEVNA,**

Candidate of Medical Sciences, Head of the Department of Public Health and Health care of the NJSC "West Kazakhstan Medical University named after Marata Ospanova ", trainer for training compulsory health insurance in the Western region.



**National academic expert**

ZHANKALOVA ZULFIA MEIRKHAVNOVA  
Doctor of Medical Sciences, Professor of the Department of GMT  
No. 1, NJSC Asfendiyarov KazNMU



**National academic expert**

ZHANTURIEV BOLAT MEIRBEKOVICH

Candidate of Medical Sciences, DBA, Head of the Laboratory of  
Biological Testing of the Testing Center with Laboratories, the  
Territorial Branch of Almaty, the National Center for the  
Expertise of Medicines, Medical Products and Medical Equipment  
of the Ministry of Health of the Republic of Kazakhstan



**National academic expert**

ORANBAI LYAZAT ZHADIGERGYZY,

Doctor of Medical Sciences, Associate Professor, Head of the  
Department of Public Health with a course of hygiene and  
epidemiology, Head of the Residency Department of the National  
Educational Institution "Kazakh-Russian Medical University"



**National academic expert**

PAK LAURA ALEKSEEVNA,

PhD, Director of the Department of Higher Education, Semey  
Medical University,  
Chairperson of the State Unitary Enterprise Committee on the  
specialty "Oncology"



**Expert - representative of employers**

ALFIA GUMAROVNA SHAMSUTDINOVA,

PhD, Deputy Director for Strategic Development and Education Helmir Hospital, President of the NGO "Association for Bioethics and Medical Law", member of the World Association of Medical Law, the European Association of Pediatrics and Adolescent Gynecology



**Expert - representative of undergraduates**

DZHAIMBETOVA ASEL PERNIBAYEVNA, doctor of the highest category, 2-year undergraduate student in the specialty "Management in health care" NJSC Asfendiyarov KazNMU, member of the European Association for Family Planning and Contraception



**ECAQA Observer**

UMAROVA MAKPAL ALDIBEKOVNA, Head of the Accreditation and Monitoring Department, Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care

The work of the EEC was carried out in accordance with the Regulations on the EEC (Order of the ECAQA Director general No. 4 dated February 13, 2017).

The EEC report contains an assessment of educational programme **7M10103 "Hygiene" profile direction** care LLP Kazakhstan Medical University "KSPH" for compliance with Accreditation standards for educational programmes of magistracy specialties in ECAQA, recommendations of the EEC on the further improvement of the educational activities of the university in the field of postgraduate education.

**2. General part of the final report of the EEC**

## **2.1 Presentation of LLP "Kazakhstan Medical University" KSPH "and the educational programme of the magistracy in the specialty 7M10103 "Hygiene"**

LLP "Kazakhstan Medical University "KSPH" was established in 1997 by the decision of the Government of the Republic of Kazakhstan No. 1142 dated July 21, 1997 on the basis of the Kazakhstan School of Public Health.

The School of Public Health was renamed to the Higher School of Public Health (HSHO). The school was created with the aim of training and retraining public health professionals, improving the qualifications of health leaders on topical issues of public health, politics and management in modern conditions.

LLP KMU "KSPH" is an independent university in the field of health care, carrying out postgraduate education and additional professional education in accordance with the State license for educational activities, series No. KZ18LAA00006861, issued by the Committee for Control in the Field of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan from April 21, 2016.

KMU "KSPH" LLP has been operating in the educational services market for over 20 years and is actively integrating into the global educational space. In 2013, KMU "KSPH" LLP passed the international accreditation of the master's programme in public health (decision of the Board of Directors of the Agency for Public Health Education Accreditation (APHEA)).

Since the founding of LLP KMU "KSPH", a policy of active participation in the development of the health care system in general and public health in particular has been pursued. KMU "KSPH" has become a Kazakh brand in the field of training health managers and public health professionals, a flagship in the field of training scientific personnel, developing the theoretical potential and practical skills of managers, specialists of medical and pharmaceutical organizations, government bodies and organizations of the Republic of Kazakhstan and Central Asia.

KMU KSPH LLP has at its disposal 1 building with a total area of 7078.3 m<sup>2</sup>, the usable area is 6446.2 m<sup>2</sup>, classroom fund - 1404.0 m<sup>2</sup>, catering area - 89.5 m<sup>2</sup>, gym - 37.0 m<sup>2</sup>, the area of the medical service center is 35.0 m<sup>2</sup>.

The educational building has internal water supply and sewerage, ventilation and central heating, artificial lighting that meets sanitary standards. The educational building consists of 2 blocks, interconnected. KMU "KSPH" LLP consists of the following premises: J. Asvela (35.0 m<sup>2</sup>) auditorium named after. Kereev (36.0 m<sup>2</sup>), lecture halls - 24; conference hall - 4, laboratory - 15.0 m<sup>2</sup>, classrooms - 107, library - 40.0 m<sup>2</sup> and coworking space - 87.0 m<sup>2</sup>. There is a hall, which is equipped with exercise equipment, a tennis table, a yoga mat, Pilates, which allows both students and the entire staff of the University to relax during the working day.

Chairs are located on the third, fourth, fifth floors of the right wing. On the second floor of the right wing, there is a conference room equipped with audiovisual devices and classrooms

In LLP KMU "KSPH" there is a hostel for 16 places, with a total area of 232 m<sup>2</sup>. The hostel has an internal hot water supply and sewerage system, kitchens are connected to electrical networks. The area of the classroom fund in educational buildings is 1404.0 m<sup>2</sup>. The norm of the training area per student is 6.24 m<sup>2</sup>, which meets the requirements of the State Educational Standard of the Republic of Kazakhstan 5.03.009-2006.

Students and teachers of the department have the possibility of free and free access to the Internet, via wireless points of access (Wi-Fi) from any computer in all study computers. Access to Internet resources is provided in computer rooms and lecture rooms equipped with interactive docks and other multimedia technology and reading rooms. The book fund corresponds to the profile of preparation.

KMU "KSPH" has mastered, adapted the educational platform MOODLe, PLATONUS and actively uses it in the educational process.

Educational activities in the KMU "Higher School of Public Health" are carried out in accordance with the Constitution of the Republic of Kazakhstan, with the Law of the Republic of Kazakhstan dated July 27, 2007 No. 319 "On Education", the State Programme for the Development of Education of the

Republic of Kazakhstan for 2011 - 2020 and the State Programme for the Development of Health care of the Republic of Kazakhstan "Densaulyq" For 2016 - 2020.

KMU "KSPH" prepares health professionals in the framework of postgraduate (master's, doctoral studies) and additional professional education (advanced training, retraining).

Since 2005, a master's programme in the specialty "Medicine" has been introduced into the educational process, since 2010 - master's and doctoral programmes in the specialty "Public health".

In general, a favorable environment and effective resources for the implementation of educational activities have been created in the KMU KSPH.

The training of specialists in practical health care, pharmacy and scientific personnel under advanced training and retraining programmes is being successfully carried out.

KMU "KSPH" passed in June 2016 Institutional accreditation (certificate of the Independent Kazakh Agency for Quality Assurance in Education dated June 27, 2016, number: IA No. 0075) for the levels of study: Master and Doctorate.

Since 2002, the university publishes the journal "Central Asian Scientific and Practical Journal on Public Health" on a quarterly basis.

With the aim of developing international cooperation, 28 agreements and memorandums were concluded with foreign higher educational institutions.

KMU "KSPH" provides materials on uninterrupted and high-quality education, and also ensures that the materials are presented in complete and accurate accessible information about the content of the programme, structure, costs, processes and activities, including an assessment system for all undergraduates and provides clear and concise guidance on application of these materials, resources and training requirements. For the uninterrupted and high-quality provision of undergraduates with educational and methodological materials, various information channels are used, in particular, there is a website for training, as well as brochures and reference information.

The educational programmes of the master's degree at the KMU are implemented in two areas of training - scientific and pedagogical and specialized - and provide in-depth specialized professional training, which allows graduates to subsequently successfully engage in scientific, pedagogical, managerial and expert activities. Education in the master's programme at the Higher School of Public Health presupposes active research work, participation in scientific projects of the university under the guidance of leading specialists in priority areas of science and practice. The implementation of educational master's programmes is carried out by the university in close cooperation with leading foreign educational and scientific organizations. For students of the University, invited foreign professors give lectures annually.

The implementation of the master's educational programme is carried out in the formats distance and blended learning using active and interactive forms of teaching. Currently, 1 master student is studying in the master's degree in the specialty **7M10103 "Hygiene"**. The general degree of degree of teachers of magistracy in this specialty is 80%.

Educational programme "Hygiene" - designed for professionals looking to improve their professional careers in hospitals, nongovernmental organizations and other Health care settings. Through intensive in-depth training in medicine, the master's programme produces professionals who can pursue medical research in health care.

At present, training at KMU "KSPH" LLP is carried out in the state and Russian languages according to the educational programme 7M10103 "Hygiene", a profile direction. In the 2019 - 2020 academic year, the educational programme 7M10103 "Hygiene", the profile direction was entered in the EP REGISTER and approved on April 19, 2020. registration number 7M10100062, attainability ratio RO: 64.67%.

The University develops its activities through the Strategic Development Plan, which is discussed and approved at a meeting of the Scientific Council of the University with the participation of stakeholders (approved by the Rector of the University on February 29, 2020). The University has its own Organizational Structure (approved by the order of the rector on 12.2019). University management

is implemented through collegial bodies: Scientific Council (SC), Educational and Methodological Council (EMC), Local Ethics Commission (LEC), Council of Young Scientists, Board of Trustees.

KMU "KSPH has a strategic partner - Shenzhen University (PRC).

Mission and Vision, which were previously discussed and agreed with stakeholders (teachers, employees, employers) (set out on the website <https://ksph.edu.kz/>, as well as the University develops its activities through the Strategic Development Plan of the KMU "Higher School of Economics" (2020-2025) (<https://ksph.edu.kz/strategicheskie-plany-razvitiya/>), which is discussed and approved at a meeting of the Scientific Council of the University with the participation of interested parties (Order No. 30-n dated 06.02.2020)

Thus, KMU "KSPH" is the first institute of such a profile in the territory of the CIS countries and to this day remains the flagship in the field of new knowledge, ideas and practical skills for heads of medical organizations of all levels, primary health care specialists, government officials of Kazakhstan and Central Asia, firmly holding a leading position in the field of education and public health sciences.

## **2.2 Information on previous accreditation**

Accreditation of an educational master's programme in the specialty 7M10103 "Hygiene" profile direction until now has not been carried out.

## **2.3 Analysis of the self-assessment report of the educational programme of the master's degree in the specialty 7M10103 "Hygiene" profile direction**

Self-assessment report educational programme presented on 110 pages of the main text, applications on 13 pages and copies or electronic versions of 27 documents on the organization of education, located at the link <https://ksph.edu.kz...>

The report is characterized by the completeness of answers to all 9 accreditation standards, structuredness, taking into account the recommendations of the ECAQA Self-Assessment Guidelines, as well as the internal unity of information provided by the accredited educational programme **7M10103 "Hygiene" profile direction**. The report is accompanied by a cover letter signed by the rector, Doctor PhD A.M. Auezova confirming the accuracy of the information and data contained in the report. The report contains information about the representative of the KMU "KSPH" responsible for the self-assessment of educational programme Ph.D. A.A. Kauysheva, vice-rector for educational and scientific activities.

Specialized self-assessment of the educational programme **7M10103 "Hygiene" profile direction** LLP KMU "KSPH" was carried out on the basis of order No. 143-n dated November 13, 2020 "On the creation of a commission for the preparation of Institutional and specialized accreditations".

The working group for the preparation of the self-assessment report did some work: the content of the accredited educational programme, the conditions for its implementation, staffing, educational resources were analyzed, the necessary information was collected in accordance with Accreditation Standards for Postgraduate Education Programmes (Master's Degree) of Medical Educational Organizations; a thorough analysis, updating and addition of methodological and educational materials was carried out, their content is reflected in the report. The content of the Self-Assessment Report is structured in accordance with the ECAQA Accreditation Standards and includes a description of strengths, areas for improvement for each of the 9 standards.

Database, applications on 13 pages, are not presented in sufficient volume, not in order of sequence, but there are references to them in the text of the report. The report is written in a competent language, the wording for each standard is clear and understandable, the tables contain references in the text and are consecutively numbered.



## **2.4 General assessment of the master's study programme in the specialty 7M10103 "Hygiene" profile direction for compliance with Standards for accreditation of educational programmes of specialties of magistracy**

Based on the analysis of the self-assessment report by external experts, it was found that the content of the self-assessment report is structured in accordance with the ECAQA accreditation standards and the recommendations of the Self-Assessment Guidelines, at the same time, based on the results of the expert evaluation, recommendations for adjustments were made, which were taken into account by the working group.

The report is written sequentially in compliance with the logic in the description of the standards, the wording for each standard is clear and understandable, the tables contain references in the text and are consecutively numbered. There are links to regulations, model rules, regulations, teaching documents, website pages <https://ksph.edu.kz/educational-programmes/master's/>.

The self-assessment and description were carried out in accordance with the criteria of the ECAQA accreditation standards and answers were received to the questions formulated in the Self-Assessment Manual. All standards show actual practice of KMU "KSPH" for the preparation of undergraduates in the specialty 7M10103 "Hygiene", a profile direction, taking into account the beginning of admission of students in 2020, reasoned data, examples of the implementation of the tasks of the educational programme, methodological support, confirming compliance with the requirements of accreditation standards. Self-assessment report description fairly completed and updated software the number of undergraduates, teachers, administration, information on the selection and admission, the results of training, the results of the assessment of knowledge and skills, the material and technical base of the university and industrial practice bases, contractual obligations with partners (universities, associations, bases), financial information, development plans and improvement, etc.

Conclusion on each of the 9 accreditation standards includes a description of the strengths and areas for improvement identified in the course of introspection and development prospects for the specialty.

Thus, the self-assessment report of the accredited master's degree programme of the KMU "KSPH" contains objective, detailed, structured information on all activities in accordance with the ECAQA accreditation standards, and the University made the appropriate corrections in the report at the expert evaluation stage.

However, I would like to give some recommendations for improvement.

In standard 2 "Educational programmes" - the purpose of the research practice of the undergraduate is to familiarize with the latest theoretical, methodological and technological achievements of domestic and foreign science, with modern methods of scientific research, processing and interpretation of experimental data in the dissertation research. To better master the skills of scientific research, it is necessary to involve undergraduates as much as possible in research activities and the implementation of scientific projects.

According to standard 5, in order to increase the publication activity of undergraduates and teaching staff, the University needs to provide financial support for the publishing activities of undergraduates and teaching staff by developing an incentive system.

In standard 5, the number and qualifications of teaching and management personnel must comply with clause 82 of the Order of the Minister of Education and Science of the Republic of Kazakhstan dated June 17, 2015 No. 391 "On approval of qualification requirements for educational activities and the list of documents confirming compliance with them": availability four teachers with academic degrees of Doctor of Science, and / or Candidate of Science and / or Doctor of Philosophy (PhD), including at least one Doctor of Science or Doctor of Philosophy (PhD), due to the fact that the graduating department requires an insufficient number of teaching staff optimize the staff structure of graduating departments for effective management and support for the implementation of Master's degree programmes.

According to standard 6, it is necessary to implement internal and external, outgoing and incoming academic mobility of teaching staff and students.

According to standard 7, in order to improve the mechanism for assessing the quality of educational activities and training students in the educational programme of the master's programme, on an ongoing basis, analyze and monitor EP and learning outcomes.

### 3. Description of external expert evaluation

External expert work on the assessment of the educational programme of the magistracy in the specialty 7M10103 "Hygiene", the profile direction of the KMU "Higher School of Education" was organized in accordance with the Guidelines for the external assessment of educational institutions and educational programmes of ECAQA (approved by order of the Director General of the "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care" No. 9 dated 03/15/2021) and in accordance with the programme and schedule approved on 04/12/2021 by the Director general of ECAQA Sarsenbayeva S.S. and agreed with the rector A.M. Auezov.

To obtain objective information on the expert assessment of the accredited educational programme, the members of the EEC used the following methods: interviews with management and administrative staff, interviews with undergraduates, observation, study of the website, interviewing employees of various structural units, teachers, questioning teachers and undergraduates, review of resources in the context of the implementation of accreditation standards, the study of educational and methodological documents both before the visit to the university and during the visit. Access to the Master's programme

<https://drive.google.com/drive/folders/1inxgk33s5QhqbLbcXB1YMLv5Opnz1cu...>

On the part of the KMU "KSPH" team, all persons indicated in the visit programme and according to the lists of interview sites are provided (lists of interview and interview participants are in the accreditation center).

The team of LLP KMU "KSPH" ensured the presence of all persons indicated in the visit program and according to the lists of interview participants (Table 1).

Table 1 - Information on the number and category of participants in meetings, interviews, interviews with members of the EEC

No.	FULL NAME.	Position
1.	Auezova A.M	Rector
2.	E.L. Stepkina	Vice-rector for development
3.	Kauysheva A.A.	Vice-rector for educational and scientific activities
4.	More than 90 undergraduates	Trainees
5.	About 45 doctoral students	Trainees
6.	Karibaeva I.K	Director of the Department of Science and Consulting
7.	Kasymbekova A.N.	And about. Director of the Department of Postgraduate Education
8.	Minzhasarova K.A.	Director of the Department of International Affairs
9.	Zholdasbekova A.S.	Director of the Department of Strategic Development and QMS
10.	Brimzhanova M.D.	Department of Continuing and Professional Education
11.	F.A. Kadirbekova	CFO
12.	Nauruzov R.	Technical supervisor
13.	More than 40 PPP	Professors, associate professors, assistants of departments
14.	More than 20 employers	Chief doctors, directors of medical organizations, heads of departments
15.	About 30 graduates	Employees of various medical organizations

The sequence of the visit within 3 days is detailed in the Visit Program, which is in the documentation of the accreditation center and in the annex to this report.

**The first day of the visit is 04/21/2021.** An interview with the management and key employees of the KMU "Higher School of Public Health" made it possible to determine the fulfillment of most of the criteria for accreditation standards 1,2,5,7,8,9, namely, to identify approaches to the development of the mission of the educational programme and its compliance with the strategic goals of the university, the role and place postgraduate education in the strategy of the university (plan), mechanisms in determining the appropriate specialty of the magistracy of clinical bases and qualified teachers, guaranteeing the adequacy of educational resources through planning public procurements and concluding agreements with country and international partners (more than 100 contracts). Realizing that the accredited master's programme is new, since the first enrollment took place in 2020, the experts studied the documentation in detail,

The experts found that the University strictly adheres to the requirements of regulatory legal acts and SCES in the implementation of educational programmes, and the management systematically monitors this process during internal audits (QMS, mutual control, control of the vice-rector for academic work, reporting, etc.).

On the same day, interviews with undergraduates and doctoral students took place (on-line). 90 undergraduates, 30 doctoral students attended...The experts asked questions about satisfaction with studying at the University, interaction with foreign leaders, the choice of a scientific advisor, the complexity of recruiting material for research work, about foreign internships, about the research bases of the university, academic mobility, features of the distance learning format, as well as about satisfaction with teaching methods and qualifications of teachers. In general, undergraduates are satisfied with the training, assessment methods, and purposefully entered this university, as they believe that the KMU "KSPH" has excellent bases and experience in teaching undergraduates. Undergraduates and doctoral students believe that they will receive a good education and will be able to work independently after graduating from the University.

The students showed their commitment to the organization of education, were active in answering questions from external experts, demonstrated their judgments on the organization of training, assessment of their skills, advisory support, the opportunity to participate in the scientific and technical progress carried out at the university.

**The second day of the visit is 04/22/2021.**

Taking into account the current epidemiological situation, the planned acquaintance with the clinical bases for the implementation of Master's programmes, planned for the programme, took place in an online format, videos about clinical bases were prepared: International Clinical Center for Reproductology "PERSONA"; PSE on REM "City polyclinic No. 4"; JSC "National Scientific Center for Surgery named after A.N. Syzganov".

Further, according to the programme, the experts visited the subdivisions of the KMU KSPH, in particular Department of Postgraduate Education - Room 103, Coworking Center, Dormitory, Medical Office. The medical office is equipped with a Sonka self-examination machine, which was provided by a strategic partner, Shenzhen University.

The experts obtained evidence of compliance with accreditation standards 2, 6 and 9, as well as validation of the information in the self-assessment report of the educational programme.

On the same day, a meeting took place with heads and employees of structural divisions involved in the implementation of the EP (off-line): Director of the Department of Science and Consulting – I.K. Karibaeva; and the Director of the Department of Postgraduate Education - Kasymbekova A.N. ; Director of the Department of International Activities - K.A. Minzhasarova; Director of the Department of Strategic Development and QMS - Zholdasbekova A.S. ; Director of the Department of Continuing and Professional Education - Brimzhanova M.D. ; Financial Director - Kadirbekova F.A. ; technical director - Nauruzov R.

Conversation with acting director of postgraduate education Kasymbekova A.N. and Director of the Department of Science and Consulting Karibaeva I.K. let the experts know on the strategy and

tactics of recruiting undergraduates for different specialties, information security of postgraduate education. The experts obtained evidence of compliance with accreditation standards 6 and 8, as well as validation of the information in the self-assessment report of the educational programme.

On the same day, interviews with teachers, employers (representatives of practical health care) and alumni took place. It is necessary to take into account the fact that there was no graduation from the accredited educational programme, so it was not possible to conduct an interview with graduates, however, the experience and authority of the KMU "KSPH" in teaching master's students shows a high percentage of employment (> 90%) of graduates of other master's programmes and their demand by medical organizations in all regions of Kazakhstan.

Interviews with 35 teachers of master's and doctoral studies (online) included the following questions: material and moral incentives, teaching load, financing of intra-university projects, implementation of KPIs of teaching staff. The experts received answers about the teacher training programme, the financing of this training, the availability of teachers' certificates in teaching methods.

Interview with 12 employers for all the educational programmes of the master's degree at the KMU "Higher School of Education" declared for accreditation were conducted online and included such issues as: knowledge of the mission of the university, participation in the development of the mission and proposals in the strategic plan, participation in the deliberative bodies of the KMU "Higher School of Education", satisfaction with basic knowledge and skills of residents, participation in the training of residents through mentoring, providing the department and residents with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and universities in general, employment of graduate students, etc.

Interviews with 20 graduates of master's and doctoral studies (online) included questions: difficulties in finding a job, choosing a place of work, feedback from the university after employment, whether the knowledge gained at the university helped in practical activities, the weaknesses of studying at the university, the desire to continue their studies in this university. The experts received full answers to all questions.

On the same day, experts studied materials on the admission of undergraduates and the selection of teachers. Admission to the magistracy is carried out in accordance with the Standard Rules for admission to training in educational organizations that implement educational programmes of higher and postgraduate education, Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 (with amendments and additions as of 08.06.).

The training of undergraduates takes place in accordance with modern concepts, theories, models, historical perspectives and practice in the field of education.

In the educational programme 7M10103 "Hygiene", the profile direction uses balanced, planned teaching methods that provide undergraduates with a range of educational skills that provide individual support and recommendations that correspond to the goals and objectives of training.

The annually developed Catalog of elective disciplines and the content of the curriculum 7M10103 "Hygiene" allows to provide conditions for the integration of science, practice and education for the training of specialists with knowledge and skills, allowing to reform and improve the efficiency of the medical industry, medical organizations in order to improve the health of citizens of Kazakhstan to ensure sustainable social and demographic development of the country.

The freedom of choice of elective disciplines by undergraduates complements and deepens the competencies being formed in accordance with the direction of training for this educational programme in order to deepen the understanding of global health problems, the strategic tasks of the country's development, the use of innovative technologies during training, which allows to ensure the quality of education. The trajectory of teaching undergraduates is implemented in the course of a free choice of elective disciplines, taking into account the topic of experimental research work. Departments develop elective disciplines, form a CED, which is coordinated by the UMO and approved by the supervising vice-rector for E&EA (Order of 09/14/2020 "On the choice of elective disciplines"). When forming the catalog of elective disciplines (CED), the priority tasks of health care, the needs of students, <https://ksph.edu.kz/educational-programmes/master/education/catalog-elective-disciplines/>

The educational programme 7M10103 "Hygiene" was developed with an emphasis on professional medical literature and on practice, models and theories from a wide range of educational sciences. With the aim of training specialists in the field of hygiene and epidemiology, based on the integration of scientific directions, educational programmes and practical skills in the field of health, master's students are trained in accordance with international requirements. The cycle of major disciplines is aimed at the formation of clinical knowledge and skills necessary to solve key problems in the professional activity of a hygienist, an epidemiologist, effective interaction with other health care professionals in the formation of decision-making skills.

At KMU "KSPH" ethical examination of research works is carried out in accordance with article 228 of the Code of the Republic of Kazakhstan "On people's health and the health care system", according to which ethical assessment of research materials is a prerequisite for clinical trials of pharmacological and medicinal products, medical products and medical technology

The ethical examination of research at the university is carried out by the Local Ethics Commission, which is an advisory body that protects the rights, safety and well-being of subjects and researchers, as well as the ethical and moral and legal assessment of scientific research materials, the objects of which are humans or animals. The Ethics Committee is guided in its activities by the ethical principles of the Declaration of Helsinki of the World Medical Association, as reflected in the State Standard for Good Clinical Practice and regulatory legal acts. The goals, objectives, structure and organization of the Ethics Committee are reflected in the regulations of the Cabinet of Ministers "Higher School of Public Health". <https://ksph.edu.kz/files/2018/polozhenie-EK.pdf>... Also, training in medical ethics is spelled out in the relevant disciplines in the model and work curricula.

The educational programme 7M10103 "Hygiene", the profile direction guides the undergraduate on the scientific problem reflected in the subject of the project, guarantees the implementation of scientific work based on original research, and ends with the implementation of the project / dissertation during the training period. On the planned and approved topic of the master's student, all stages of research work are carried out, including the collection or conduct of patent search information work, a literature review based on modern achievements of domestic and foreign science and technology in the relevant field of knowledge; experimental work, which reflects the entire front of the research carried out, statistical processing of the results of analysis and systematization of scientific and technical information on the topic (task), drawing up reports (according to an individual plan, scientific internship plan), publications in journals with a high impact factor, presentations at conferences, etc.). (Order on fixing topics and leaders (No. 34-N dated 02.11.2020).

Duration of mastering the educational programme of the magistracy 7M10103 "Hygiene" profile direction is 1 year with the development of disciplines for a total of 60 credits.

When forming the modules, the content of the discipline is structured into logically complete methodological blocks. The interdisciplinary connection is clearly traced in the syllabuses of academic disciplines and modules of existing EP, compiled taking into account the development of prerequisites and post-requisites, as well as taking into account the specifics of the educational programme. Modular educational programmes enable undergraduates to plan and implement an individual learning path throughout their studies.

The volume of the cycle of basic disciplines is 17% of the total volume of the master's educational programme or 10 academic credits. Of these, 60% or 6 academic credits are allocated to the university component. The volume of the cycle of majoring disciplines is 42%, or 25 academic credits of the total volume of the educational master's programme.

The university component of the BD cycle of the Master's programme includes the disciplines "Management", "Foreign language (professional)", "Psychology of management".

In addition to the cycles of the university component, prescribed in the structure of the educational programme, there are optional components that are developed by the departments, based on the demand of the labor market, the needs of students and modern scientific achievements.

Before the start of the corresponding discipline of the educational programme, the master student receives a syllabus from the teacher and knows what skills he must acquire and develop during training.

Educational programmes implemented at the KMU "KSPH" are evaluated by potential employers (chief doctors of city polyclinics, researchers, heads of SCES, etc.) and representatives from other educational institutions (Heads of the department, deans, doctors of medical sciences, professors, etc.) in the form of reviews.

Reviewers - Candidate of Medical Sciences, Associate Professor of the Department of Public Health of Asfendiyarov KazNMU Alikeeva G.M.; Candidate of Medical Sciences, Associate Professor, Head of the RSU "Department of Sanitary and Epidemiological Control of Medeu District of Almaty" - Chief State Sanitary Doctor of Medeu District Alpysbayuly K.

Corresponding updates and adjustments to the educational programmes of the KMU "KSPH" being implemented are made taking into account the proposals of the stakeholders and or changes and additions to the RLA RK (Rules for the development of EP LLP KMU "KSPH")

Stakeholders noted that the educational programme trajectory 7M10103 "Hygiene" profile direction meets the requirements of the state educational standard, meets the needs of employers and is recommended for implementation.

The structural unit responsible for the implementation and effectiveness of the educational programme 7M10103 "Hygiene" is the Department of Postgraduate Education.

The solution of key issues on the methodological support of the educational programme 7M10103 "Hygiene" profile direction is carried out at meetings of the Educational and Methodological Council (EMC), which is a collegial advisory body, which includes the teaching staff.

The teaching staff of the departments, together with the department of postgraduate education, participates in the development of the educational programme, educational trajectories, determines the key competencies of the graduate, the final learning outcomes.

Academic leadership regarding the development and management of the educational programme is carried out by the rector through the vice-rector for educational and scientific activities, who is directly responsible for the organization and state of academic work and periodically reports on it to the Scientific Council.

The academic work of the teacher is planned by the head of the department for the academic year and is reflected in the individual plan of the teacher. Its content includes elements of all types of academic activity, and its volume, the ratio of the constituent types and the specific content are determined by the full-time position of the teacher.

The work of the expert commission was completed by summing up the results of the work of the EEC, processing the results.

#### **The third day of the visit 04/23/2021**

The experts studied the documentation of the Department of General Hygiene and Ecology, which confirmed the compliance with the accreditation standards (nomenclature of the department's affairs, plan for 5 years, annual plan for 2020-2021 academic year, master's progress journal, EMCD, feedback questionnaires with students, teachers, reports on the results of the questionnaire and the measures taken, the code of ethics, etc., control and measuring instruments), including documentation (topics of scientific and technical programmes, sources of their funding, participation of undergraduates in scientific and technical progress, a list of supervisors of undergraduates, compliance with their qualification requirements, a report on indicators of scientific activity, individual work plans of undergraduates) at the request of EEC members.

Then a meeting of the EEC members took place following the results of the external evaluation. A final discussion of the results of external assessment, study of documents, results of interviews, interviews, questionnaires was held. The members of the EEC began to design the final report of the EEC.

A meeting of the EEC members was held. The members of the EEC made generalizations of the results of the external evaluation. The experts individually filled out the "Quality profile and criteria for external evaluation of the NCN for compliance with the Accreditation Standards of the Master's degree program "Hygiene") of medical educational organizations of the ECA". No comments were made by the members of the EEC. Recommendations for improving the postgraduate education sector

in general and the department implementing the accredited educational program were discussed. A draft report with recommendations was prepared.

Chairperson of the EEC, Doctor of Medical Sciences Marina Alekseevna Morenko held a final open vote on the recommendations for the KMU "KSPH" and a final vote on the recommendations for the ECAQA Accreditation Council. Then the Chairperson of the EEC for the management and employees of the educational organization announced recommendations based on the results of an external assessment within the framework of the accreditation of educational programmes for master's specialties.

### **Results of the survey.**

An observer from ECAQA in 21-23.04.2021 conducted an online survey of undergraduates and teachers of KMU "KSPH" LLP on the resource <https://webanketa.com/...>

#### **Results of the survey of master's students:**

The total number of responded master's students - 150.

Out of the total number of respondents, master's students of the first year of study prevailed - 96%, master's students of the 2nd year of study accounted for 4%.

Will recommend this university as an educational organization - 94% fully agree, partially - 4.85%.

Fully (90.3%) and partially (3.8%) are satisfied with the conditions and equipment of classrooms and classrooms of the university. According to the surveyed master's students, teachers assist in the preparation of scientific work 89.3% (in full) and 7.8% (in part). 93.3% of the respondents have access to the resources of the university, clinics, laboratories, where the preparation of master's theses is carried out. 5.8% are partially satisfied with this indicator.

98% of the respondents agree that the teachers and staff of the Higher School of Education are respectful of the students. 72.8% rate the organization of the university's research practice as "excellent" and 23.3% rate this work as "good".

93.2% of respondents (in full), and 5.8% (in part) believe that the methods of assessing knowledge and skills are fair. Fully 97% and partially 2.9% of respondents believe that the educational programme meets expectations.

91.3% of respondents believe that teachers use active and interactive teaching methods. Fully 94% and partially 5.8% of the respondents are satisfied with the organization of the educational process at the university.

To the question: "Did the heads or teachers of the university involve in the preparation for accreditation?" - 22% of the respondents answered "yes" when preparing the self-assessment report. 11.6% answered that they were involved at all stages of preparation for accreditation. 10.6% refused to participate in the preparation for accreditation for a good reason and 47.6% answered "negative".

#### **Results of the survey of teachers of Master's programme:**

The total number of teachers on the list is 35. The total number of respondents is 26, including those with up to 5 years of experience - 23%, up to 10 years - 19%, over 10 years - 57%. Fully 88% are satisfied with the organization of the educational process, in part - 11.5%. At the university, ethics is observed and subordination is fully agreed by 92%, partially - 7.7%. 92.3% of the respondents are completely satisfied with the organization of work and workplace, partially 7.7%. In the organization there is an opportunity for career growth and development of competence for teachers - 92% fully agree, partially - 3.8%.

In this educational organization, teachers have the opportunity to engage in scientific work and publish the results of research work - 96% fully agree. Salary suits 69% of the surveyed teaching staff. 88% of the respondents are fully satisfied with the work of the HR department, and 7% are partially satisfied. The majority of those surveyed have undergone advanced training for the last 5 years. 77% of the teaching staff are satisfied with the microclimate in the team. Only 88% fully agree that they can

realize themselves as professionals, and 3% partially. When asked whether the university supports the teacher in participating in international and national events, 53% answered positively.

At the practical lesson, teachers provide undergraduates primarily with syllabuses (100%), control and measuring tools (84%), cases (69%). The level of previous training of undergraduates when entering the training programs fully satisfies 46% of the respondents, partially-46%. 31% of respondents do not know about the implementation of social programs to support teachers and 8% of respondents doubt their availability. The management and administration systematically listens to the opinion of teachers-84%, sometimes-4% of the respondents. When teaching undergraduates, various teaching methods are used, but more often work in the analysis of situational tasks (96%), small groups (81%), oral surveys and analysis of the topic (77%), also problem-oriented training (58%), cases are compiled and solved (84%). 85% of respondents fully agree that this survey will be useful for developing recommendations for improving the university and master's degree programs, 11% partially agree with this.

The results of the questionnaire are presented in the appendix and, in general, demonstrate the effective management of educational programme, the positive aspects of training in Master's programme. At the same time, areas for improvement are identified (social support programme for teachers, availability of leadership and administration for teachers, pedagogical competencies and professional development of teachers).

#### **Conclusion on the basis of the external evaluation:**

Members of the EEC have carefully studied and assessed the main indicators of accredited Master's degree programmes. The information received by external experts during the study of the self-assessment report, preparation of a written review with recommendations for improvement, implementation of the activities of the visit program for LLP KMU "KSPH" was analyzed. All the information received was compared with the data of the self-assessment report, which made it possible to make sure that the information provided by the Higher School of Public Health and the supporting documents for compliance with the ECAQA Accreditation Standards was valid.

Despite the fact that in the self-assessment report of the educational programme of the Higher School of Public Health described its best practice in adherence to accreditation standards, during the external expert evaluation, the members of the EEC studied the main documents (mission, strategic plan, syllables, control and measuring instruments, checklists, portfolios of masters, individual plans of undergraduates for the 2020-2021 academic year, publications of teachers, admission rules, personnel policy, an internal quality assurance system programme, resources (classrooms, office equipment available for undergraduates to work with literature, educational and methodological literature), which made it possible to identify the compliance of activities educational organization basic accreditation standards.

The volume of the study load for the sections of the accredited educational programmes is determined by the individual work plan of the master's student for one year and is monitored by the monthly reports of the master's student. The accounting of completed tasks is drawn up in the form of a portfolio according to the recommendations in the syllabus.

New edition of order No. 647 "On approval of state compulsory standards and standard professional training programmes in medical and pharmaceutical specialties" dated July 31, 2015 (as amended by the order of the Ministry of Health of the Republic of Kazakhstan dated 02.21.No. KR DSM-12/2020) reflected in the accredited EP.

The experts took into account the fact that the accredited educational programme for the current state educational standard is being implemented for 2 academic years, therefore, at this time there is no graduation of students, nevertheless, the entire educational, methodological, personnel and resource base has been assessed for compliance with accreditation standards. Through interviews with teachers and interviews with students, it was possible to determine their direct participation in the development (meetings of departments), the assessment of educational programme, decision-making on a number of key issues in the choice of student bases, topics of electives, participation in the appeal commissions



for the admission and assessment of undergraduates, the development of meaningful parts of individual plans of undergraduates.

At the same time, this substantiated the need for inclusion in post-accreditation monitoring, along with the implementation of the EEC recommendations, an analysis of the implementation of the criteria of Standard 9, an annual report on the contingent of students.

Recommendations for improving activities in the implementation of the Master's degree programme **7M10103 "Hygiene" profile direction** for compliance with the Accreditation Standards, developed by the EEC based on the results of an expert assessment, were presented at a meeting with the management on 04/21/2021.

The program of the 3-day visit of the external expert evaluation of the EEC has been completed in full. On the part of the staff of the Higher School of Public Health, the participation of all persons indicated in the program is ensured.

Thus, the external assessment and the visit of the EEC members made it possible to verify and validate the data of the self-assessment report of the master's degree programmes in full in accordance with the Regulation on the External Expert Commission, the Guidelines for the external assessment of the medical organization ECAQA education.

For the work of the EEC, comfortable conditions were created, access to all necessary information and material resources of accredited educational programme was organized. Experts note the high level of corporate culture and discipline of those responsible for the education of undergraduates of the Higher School of Education of the Department, the high degree of openness of the team in providing information to members of the EEC.

#### **4. Analysis for compliance with accreditation standards based on the results of an external assessment of the master's educational programme in the specialty 7M10103 "Hygiene" profile direction KMU "KSPH" and an overview of the strengths for each standard.**

##### **Standard 1: MISSION AND OUTCOMES**

An external expert commission has received confirmation that the mission of the KMU "KSPH" and the mission of the master's programme in the specialty "Hygiene" meets the goals and objectives of postgraduate medical education, the needs of the country's health care system and the development of human resources in medical education. During interviews with undergraduates and teachers, interviews with heads of departments of the University and representatives of practical health care, it was found that the team, employees, graduate students and employers took part in the discussion of the mission and goals. The entire process of developing and approving the mission and vision took place in accordance with the existing procedure, which ensures the involvement of all stakeholders, both at the planning stage and in the implementation of decisions made. Education in the Master's degree in the specialty "Hygiene" ensures the implementation of the final learning outcomes, the list of which is included in the working curricula.

##### **Strengths:**

1. The mission, goal and end results of the educational programme are formulated in an accessible form
2. Constant implementation of innovative teaching methods within the framework of the curriculum
3. The presence of creative and professional ties with scientific, pedagogical and other organizations both abroad and within the Republic of Kazakhstan.
4. Implementation of EP, developed jointly with stakeholders, with the definition of goals, objectives, learning outcomes and competencies

**Conclusions of the EEC on the criteria.** Out of 5 standards conform: completely - 5, significantly - 0, partially - 0, do not correspond - 0.

**Standard 1: completed**

## **Standard 2: EDUCATIONAL PROCESS**

Mission of the educational programme in the specialty "Hygiene" reflects the needs state, health care system, medical services market, employers' requests and students' wishes; is based on the study of problematic issues of the theory and practice of Health care and correlates with the need for professional training of highly qualified competitive specialists of a new generation with a high level of professional competence and research skills.

The educational programme is based on the possibility of implementing individual educational trajectories, strengthening interdisciplinary training within the framework of the tasks of implementing the corresponding priority areas of development with the possibility of transforming individual blocks in accordance with the structure of employers' requests for the formation of specific professional competencies. This approach is designed to ensure the effective integration of undergraduates into the modern medical and scientific community. Modular educational programmes enable undergraduates to plan and implement an individual, targeted learning path throughout their studies.

The educational programme is provided with the following auxiliary "tools": Working curriculum, academic calendar, individual curriculum and individual work plan of the master's student. Working curriculum and academic calendars, which are developed by the Department of Postgraduate Education for the academic year. To monitor the implementation of the individual master's work plan, which includes both monitoring of progress and compliance with the deadlines for writing a dissertation work, each master's student is given a journal "Individual Master's Work Plan", where the student keeps records throughout the learning process as they are completed.

Teachers of the University at all levels of education are doing a lot of work to introduce new forms and methods of teaching into the educational process, means of enhancing cognitive activity: - multimedia lectures; problem based lectures (PBL); incl. analysis of specific situations (case studies); team-oriented training (TBL), incl. work in small groups; role-playing, business games; creative tasks (videos, crosswords, quizzes, etc.); the use of problematic and situational tasks in practical training;

Thus, the educational programme for 7M10103 "Hygiene" profile direction is implemented in accordance with the mission, goals and expected learning outcomes and reflects the SCES, the needs and expectations of society.

The methods used, forms of teaching and learning, as well as the content of the EP are based on modern principles, contribute to the formation of professional competencies and determine the content, volume and sequence of training components. EEC received convincing data on the methodological support of educational programmes, the use of various teaching methods by teachers. When questioning master students, a high percentage of their satisfaction with studying at the KMU "Higher School of Education" was established.

### **Strengths:**

1. The receptivity and flexibility of educational programmes in accordance with the needs of society and the labor market

*Conclusions of the EEC on the criteria.* Out of 21 standards conform: completely 18, significantly - 3, partially - 0, do not correspond - 0.

*Standard 2: completed*

## **Standard 3: ASSESSMENT OF STUDENT LEARNING**

The system of monitoring the academic achievements of undergraduates at the KMU "KSPH" includes: current and midterm monitoring of progress, intermediate attestation and final state attestation.

The KMU "KSPH" has developed and implemented a policy for evaluating undergraduates, which includes the principles and methods of evaluation, which are reflected in the "Academic Policy of the University" (approved by the rector on January 29, 2021).

The assessment of the academic achievements of undergraduates covers the assessment of key competencies, and the assessment tools themselves are developed by the departments - control

questions, tasks in test form (MCQ tasks with several options for correct answers), a list of practical skills, situational tasks.

The University uses additional methods for evaluating undergraduates, such as portfolio, evaluation of the performance of scientific research. Assessment methods are developed by the department and are reflected in the syllabuses approved at the meeting and by the department and the EMC.

A balance is ensured between formative and summative assessment. The assessment of academic skills corresponds to the master's level. During the interviews of undergraduates, experts found that more than 90% of students recognize the fairness and objectivity of methods for assessing their knowledge and skills.

**Strengths:**

1. Formation and assessment of all key competencies of the graduate
2. Availability of approved documented procedures governing a comprehensive assessment of students
3. The assessment of master's students' knowledge is compatible with the final learning outcomes and teaching methods and is aimed at meeting the current, changing and potential (expected) needs of master students, employers and the state

**Conclusions of the EEC on the criteria.** Out of 10 standards conform: completely - 7, significantly - 3, partially - 0, do not correspond - 0.

**Standard 4: STUDENTS**

KMU "KSPH" pursues an academic policy of tolerance: openness, transparency and accessibility, both at the stage of admission and throughout the entire period of study in the magistracy. Academic policy information is updated, updated, published on the website and made publicly available.

The selection and admission policy are fully consistent with the current legislation, the Charter and the Academic Policy of the KMU "Higher School of Economics" clause 2.

The number of admitted undergraduates is planned taking into account the total area of classrooms, the availability of the teaching staff, the availability of educational, methodological and scientific literature, the throughput capacity of the university's practical bases, the availability of social and living conditions for the training of undergraduates.

Information about the beginning of the admissions committee is available to everyone on the university website

The Medical Education Organization allocates resources to support graduate students, and offers them support, including counseling on academic, social and personal needs. Individual support for students is provided from the moment of their admission. Undergraduates at any time can ask for help from the curator, any teacher of the department, advisers, head of the department (Regulations on the advisers of KMU "KSPH",

KMU "KSPH" provides assistance and support to the activities of undergraduates and their public organizations, including the provision of technical and financial support. For example, undergraduates are provided with a working area with office furniture, cleaning and maintenance, wireless Internet access, a library, and medical care. Conditions for living for nonresident undergraduates have been created. The effectiveness and efficiency of support services is carried out through reports, internal audits, performance assessment and consideration of issues at meetings of collegial management bodies - a meeting of departments / courses, EMC and the Scientific Council of the University.

KMU "KSPH" approved the requirements for the successful implementation of the programme (projects, dissertation, practice, portfolio, transcripts, etc.).

The Department of Postgraduate Education and the teachers of the departments conduct daily / weekly monitoring of the attendance and progress of students, the teachers of the department, in cases of systematic absenteeism and or failure to progress, write a report to the supervising vice-rector for E&EA.

**Strengths:**

1. High commitment and continuity of students to this university.
2. Availability of a personal scholarship named after KK Kuralbayev in the magistracy.

**Conclusions of the EEC on the criteria.** Out of 12 standards conform: fully - 9, significantly - 3, partially - 0, do not correspond - 0

**Standard 4:** completed

**Standard 5: STAFFING**

KMU KSPH applies effective and open criteria for recruitment and appointment to teaching positions and guarantees equal employment opportunities consistent with legal requirements and any other selection criteria. Scientific supervisors of undergraduates meet the qualification requirements. Requirements for scientific supervisors are reflected in the "Regulation on the scientific supervisor" (order of the rector 07/04/2020)

The requirements of the personnel policy for the teaching staff and teachers who carry out studies in the magistracy comply with the Charter and the Personnel Policy of the University.

The teaching staff of the department is formed based on the needs for the effective implementation of educational programmes, as well as on the basis of the total volume of the teaching load. An obligatory requirement for teachers to conduct classes for undergraduates is the availability of an academic title and work experience.

Department "General hygiene and ecology" conducting the training of undergraduates has a highly qualified teaching staff in accordance with the needs of the programme, mission, successful implementation of the educational programme of the magistracy. The general degree of graduate teachers in this specialty is 80%.

At the same time, in accordance with clause 82 of the Order of the Minister of Education and Science of the Republic of Kazakhstan dated June 17, 2015 No. 391 "On approval of qualification requirements for educational activities and the list of documents confirming compliance with them": for activities educational organizations implementing educational programmes of postgraduate education with the awarding of a master's degree: necessary " The presence of four faculty members with PhD and / or PhD and / or PhD degrees, including at least one Doctor of Science or Doctor of Philosophy (PhD) in accordance with the educational programme in the direction of personnel training, for which the main place of work is the licensee ", in the department «General hygiene and ecology" the main staff is represented by 4 full-time employees, of which 1 doctor of medical sciences, 1 candidate of medical sciences and 1 Doctor of Philosophy (PhD), therefore, the graduating department has an insufficient number of graduated teaching staff.

The system of external assessment, monitoring of the teacher's work and the achievement of the intermediate and final result of the educational programme in the magistracy is carried out through the annual attestation of the teaching staff in all types of activities, including the scientific guidance of undergraduates. The external evaluation system is carried out through the QMS standards.

**Strengths:**

1. Highly qualified and authoritative teaching staff implementing educational programmes at the KMU "Higher School of Economics".
2. Availability of highly qualified teaching staff with extensive experience in supervising master's theses

**Conclusions of the EEC on the criteria.** Out of 7 standards conform: completely - 5, significantly - 0, partially - 2, do not correspond - 0.

**Standard 5:** completed

**Standard 6: EDUCATIONAL RESOURCES, SETTINGS AND SCHOLARSHIP**

KMU "KSPH" has a developed material and technical base, equipped with a fund of educational, methodological, scientific literature on paper and electronic media, training, auxiliary technical means and information and communication technologies. The University conducts systematic work on the

development, renewal and replenishment of material and technical equipment and the introduction of new information and communication technologies in the educational process.

The material and technical base of the university includes: lecture halls, study rooms, educational and research laboratories, a library, information technology facilities, premises for the cultural and social sphere, bases.

The library of LLP KMU "KSPH" is located in the left wing of the building, the total area is 40 m<sup>2</sup>. For 2021, the library fund has 8128 storage units / 4779 items, of which 1581 units are in the state language, 5410 units are in Russian, and in English. language - 1137 units. Of the 8128 units of the book fund, textbooks are 4426 units, 2004 units. - scientific literature, 67 units. - fiction, 954 units. - periodicals and 58 items. - electronic publications. The number of visits per year is 4657.

The structure of the library includes: scientific and educational subscriptions, a reading room for 20 seats, containing a total of 8 computers and 1 scanner, connected to a local network and with Internet access, there is access to the Kazakhstan National Electronic Library and foreign information resources Springerlink (Springer), Web of Science (Thomson Reuters).

For students there is a dining room, leisure rooms, a hostel.

The University administration allocates the necessary funds from the university budget for continuous improvement of the material and technical base.

Constant work is underway to improve the IT technologies and infrastructure of the university. The uninterrupted operation of the Internet, corresponding to the Internet networks of the republic, was ensured, a local computer system, a system of video broadcasting of lectures in classrooms was created.

#### **Strengths:**

1. Updated material and technical base.
2. The presence of a stable relationship with domestic and foreign partners.
3. Full automation of all stages of the organization of the educational process through a single automated information system "Platonus", "Moodle".
4. The electronic document management system "Documentologist" has been introduced and is operating.

**Conclusions of the EEC on the criteria.** Out of 4 standards conform: fully - 3, significantly - 1, partially - 0, do not comply - 0

**Standard 6:** completed

### **Standard 7: MONITORING AND EVALUATION OF THE EDUCATIONAL PROCESS**

KMU "KSPH" has a programme for monitoring educational activities, processes and learning outcomes, including the collection of data on key aspects of the educational programme. The purpose of monitoring is to ensure the quality of the educational process, to identify areas requiring interventions to assess the educational programme.

The departments and the Department of Postgraduate Education are responsible for the implementation of training programmes for specialists in the areas of training. The content, volume and sequence of courses of the educational programme 7M10103 "Hygiene", the profile direction, implemented in the KMU "Higher School of Economics", strictly correspond to the standards of education, changes may be allowed within the university component. All changes and additions to the work programmes are discussed at the departments and coordinated by the Educational and Methodological Council.

The University systematically collects, analyzes, corrects and supplements the results of feedback from teachers and students regarding the stated mission, goals, objectives and strategic plan. The examination of the documents showed that, despite the assessment of the quality of educational activities carried out at the University, it is nevertheless necessary to analyze and monitor EP and learning outcomes on an ongoing basis to improve the mechanism for assessing the quality of educational activities and training students in the Master's programme.

**Conclusions of the EEC on the criteria.** Out of 8 standards conform: fully - 1, significantly - 4, partially - 3, do not comply - 0

*Standard 7: completed*

### **Standard 8: GOVERNANCE AND ADMINISTRATION**

The management of the KMU "KSPH" has a sufficient level of managerial competence, takes responsibility for the implementation of all processes that ensure the achievement of the mission. The management system and its activities are open, transparent and accessible. The university leadership is ready and capable of change. All these processes ensure the effectiveness of management activities.

#### **Strengths:**

1. Flexible and dynamic management and administration system.
2. Close and effective communication with key stakeholders (alumni, employers).

**Conclusions of the EEC on the criteria.** Out of 19 standards conform: fully - 9, significantly - 10, partially - 0, do not comply - 0

*Standard 8: completed*

### **Standard 9: CONTINUOUS RENEWAL**

KMU "KSPH" continuously revises the organizational and staff structure, updates the goals and functions of the strategic development plan, regulatory documents, taking into account the needs of health care and society, modernizes the material and technical base, improves modern educational technologies and innovations in the learning process for the implementation of institutional goals and the tasks of the university, the needs of students and practical health care.

#### **Strengths:**

1. Conducting a survey of students to identify the needs of stakeholders, an annual assessment of literature and equipment of the library fund for medical postgraduate education

**Conclusions of the EEC on the criteria.** Out of 4 standards conform: completely - 3, significantly - 1, partially - 0, do not correspond - 0.

*Standard 9: completed*

Thus, all 9 accreditation standards have been met, no inconsistencies in the fulfillment of the criteria of each of the basic accreditation standards in the process of analyzing the self-assessment report and conducting the examination as part of the tasks of the external expert evaluation programme were found.

### **5. Recommendations for improving the educational programme of the magistracy in the specialty 7M10103 "Hygiene" the profile direction:**

1. To intensify the work on attracting undergraduates to research activities and the implementation of scientific projects.
2. Provide financial support for the publishing activities of undergraduates and teaching staff by developing an incentive system
3. Optimize the staff structure of graduating departments for effective management and support for the implementation of Master's degree programmes
4. Implementation of internal and external, outgoing and incoming academic mobility of teaching staff and students
5. Conduct on an ongoing basis analysis and monitoring of the educational programme and learning outcomes

## 6. Recommendation to the ECAQA Accreditation Council

The members of the EEC came to a unanimous decision to recommend to the Accreditation Council to accredit the Master's degree programme in the specialty **7M10103 "Hygiene"** for a period of 5 years.

### Chairperson

Morenko Marina Alekseevna

### Foreign expert

Rakhimov Bahodir Bakhtierovich

### Academic expert

Ermukhanova Lyudmila Sergeevna

### Academic expert

Zhankalova Zulfiya Meyrkhonovna

### Academic expert

Zhanturiev Bolat Meirbekovich

### Academic expert

Orakbay Lyazat Zhadigerkyzy

### Academic expert

Pack of Laura Alekseevna

### Representative of practical health care

Alfiya Gumarovna Shamsutdinova

### Master's student Representative

Dzhaimbetova Asel Pernebayevna

### ECAQA Observer

Umarova Makpal Aldibekova



The image shows a vertical column of eight handwritten signatures in blue ink, each written on a horizontal line. The signatures are: 1. A stylized signature starting with 'M'. 2. A signature starting with 'R'. 3. A signature starting with 'E'. 4. A signature starting with 'Z'. 5. A signature starting with 'Z'. 6. A signature starting with 'O'. 7. A signature starting with 'L'. 8. A signature starting with 'A'. 9. A signature starting with 'D'. 10. A signature starting with 'U'.

**Quality profile and external evaluation criteria (summary) of  
educational programme in the specialty magistracy 7M10103 "Hygiene" profile direction of the  
KMU "KSPH"**

Standard	Criteria for evaluation  Number of standards = BS * / SU	Evaluation			
		Totally coincides	Significantly corresponds	Partially compliant	Does not match
1.	<b>MISSION AND OUTCOMES</b>	5	0	0	0
2.	<b>EDUCATIONAL PROCESS</b>	18	3	0	0
3.	<b>ASSESSMENT OF STUDENT LEARNING</b>	7	3	0	0
4.	<b>STUDENTS</b>	9	3	0	0
5.	<b>STAFFING</b>	5	0	2	0
6.	<b>EDUCATIONAL RESOURCES, SETTINGS AND SCHOLARSHIP</b>	3	1	0	0
7.	<b>MONITIRING AND EVALUATION OF THE EDUCATIONAL PROCESS</b>	1	4	3	0
8.	<b>GOVERNANCE AND ADMINISTRATION</b>	9	10	0	0
9.	<b>CONTINUOUS RENEWAL</b>	3	1	0	0
	<b>Total: 90: 88/2</b>	<b>60</b>	<b>25</b>	<b>5</b>	<b>0</b>
		<b>90</b>			