

To Accreditation Council  
Of The Eurasian Center for Accreditation  
And Quality Assurance  
In Higher Education and Health Care

**REPORT  
OF THE EXTERNAL EXPERT COMMISSION  
ON THE RESULTS OF THE ASSESSMENT OF THE EDUCATIONAL PROGRAMME  
7M10115 “HYGIENE” OF THE NJSC “SMU” FOR COMPLIANCE WITH THE  
STANDARDS FOR ACCREDITATION OF THE PROGRAMMES IN SPECIALTIES OF  
MASTER'S SCHOOL IN HEALTH CARE**

**period of external expert commission: 18.05.-20.05.2021**

Almaty, 2021

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### LIST OF SYMBOLS AND ABBREVIATIONS:

AMP	Administrative and management personnel
BD (O)	Basic disciplines (training)
GP	General Practitioner
University	Higher educational institution
EKR	East Kazakhstan region
SAC	State Attestation Commission
SCES	State compulsory education standard
GPA	Weighted average assessment of the level of educational achievements of a student in the chosen specialty
DAD	Department of Academic Development
DSHR	Department of Science and Human Resources
DOPs	Direct observation
ECTS	European Credit Transfer and Accumulation System
ECAQA	Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care
FSA	Final state attestation
IC	Individual curriculum (resident)
ILS	information library system
CVI	Coronavirus infection
COC	Component of choice
CEP	Committee of educational programmes
QED	Catalog of elective disciplines
LMS	learning management system KEYPS
MoH RK	Ministry of Health of the Republic of Kazakhstan
Mini-CEX	Mini Clinical Exam
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
MEO	Medical education organization
MA	Methodical advice
NJSC "SMU"	Non-profit Joint Stock Company "Semey Medical University"
R&D	Research work of a resident
IQAA	Independent Agency for Quality Assurance in Higher Education
SSC	Scientific student circle
STP	Scientific and technical programme
NCIE	National Center for Independent Examination
EP	Educational programme
IA	Intermediate attestation
PBL	Problem- based learning
MD	Major disciplines (training)
PHC	Primary health care
PPP	Faculty
RSE on REM	Republican state enterprise on the right of economic management
WC	Working curricula

CBL	Case-based-learning
NKR	North-Kazakhstan region
QMS	Quality Management System
SOP	Standard operating procedures
IWS	Independent work of students
IWR	Independent work of a resident
SC	Simulation center
IWRT	Independent work of a resident under the supervision of a teacher
TBL	Team-based-learning (training in a team)
TC	Typical curricula
ERWR	Educational and research work of residents
AC	Academic Council
CNM&O	Center for Nuclear Medicine and Oncology
GCC	Graduate Career Center

## 1. Composition of the External Expert Commission



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

**KUZGIBEKOVA ALMA BOLATOVNA**,  
Candidate of Medical Sciences, Professor, of the  
Department of Childhood Diseases, Karaganda  
Medical University,  
Honorary Worker of Education of the Republic  
of Kazakhstan, Accredited independent expert  
in assessing the quality of medical services.



### **Foreign expert**

**RIPP EVGENY GERMANOVICH**  
Candidate of Medical Sciences, Associate  
Professor, Head of the Accreditation and  
Simulation Center of the Institute of Medical  
Education of the Federal State Budgetary  
Institution "National Medical Research Center  
named after V. A. Almazov " of the Ministry  
of Health of the Russian Federation,  
Member of the Board of the Russian Society  
for Simulation Education in Medicine  
(ROSOMED), Member of the ROSOMED  
Programme Committee, Instructor of the  
European Resuscitation Council (ERC)



### **National academic expert**

**ALMAGUL AMANGELDINOVNA  
KAUYSHEVA**,  
Candidate of Medical Sciences,  
Vice-rector for educational and scientific  
activities of the Kazakhstan Medical  
University "HSPH",  
Accredited independent expert in assessing the  
quality of medical services, Deputy  
Chairperson of the Board  
RPO "Kazakhstan Alliance of Medical  
Organizations".



**National academic expert**  
SHUKIRBEKOVA ALMA  
BORANBEKOVNA,  
Doctor of Pharmaceutical Sciences, Professor,  
Dean of the Faculty of Pharmacy  
NJSC "Astana Medical University"



**National academic expert (online)**  
ISENOVA SAULE SHAIKENOVNA,  
Doctor of Medical Sciences,  
Professor of the Department of Obstetrics and  
Gynecology  
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**National academic expert**  
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Doctor of Medical Sciences, Associate  
Professor of the Department of Oncology  
NJSC "Asfendiyarov KazNMU "  
Member of the Association of Oncologists of  
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**National academic expert**  
KUDABAEVA KHATIMIA ILYASOVNA,  
Candidate of Medical Sciences, Professor  
Department of Internal Medicine №1  
NJSC "West Kazakhstan Medical University  
named after Marat Ospanov "



**National academic expert**  
KENZHEGULOVA RAUSHAN  
BAZARGALIEVNA,  
Candidate of Medical Sciences,  
neurology residency instructor of  
Corporate Fund "University Medical Center"



**National academic expert**  
RINAT MUZAFAROV,  
Head of the Department of International  
Cooperation and Public Relations of the  
Republican State Enterprise "Republican  
scientific and practical center of psychiatry,  
psychotherapy and narcology " of MoH RK



**National academic expert**  
SADIEVA ZHANAR ZAMANKHANOVNA,  
anesthesiologist-resuscitator,  
Head of Postgraduate Education Department of  
JSC "South Kazakhstan Medical Academy"



**National academic expert**  
RAKHMANOV ELTAI UTEMURATOVICH,  
PhD  
Deputy Director of Master's Degree in  
Sports Medicine and Rehabilitation of  
Nazarbayev University School of Medicine



**National academic expert**

RAMAZANOVA MANSHUK ANEROVNA,  
Senior Lecturer of the Department public  
health and Health care of  
NJSC "Asfendiyarov KazNMU"



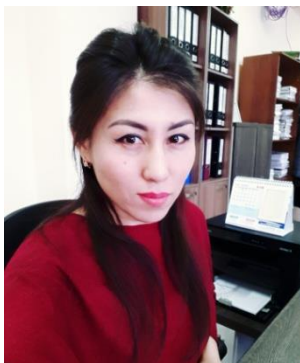
**Expert - employers' representative**

SARSENBINA LYAZZAT KYRYKBAEVNA,  
Candidate of Medical Sciences,  
highest qualification category  
in the specialty: "Public health",  
Chief physician of the MSOPE "CPMSP No.  
12, Semey



**Expert - representative of undergraduates**

MAZANBEKOVA MERUERT  
YERZHANOVNA,  
2nd year undergraduate student in the specialty  
"Pedagogy and Psychology" of the Kazakh  
Humanitarian - Legal Innovative University in  
Semey.



**ECAQA Observer**

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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 the educational programme of the Master's programme in the specialty "Hygiene» of NJSC SMU for compliance with the Standards of accreditation of Master's degree programmes in health care of medical educational institutions of ECAQA, recommendations of the EEC for 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 NJSC of Semey Medical University and educational master's programme in specialty 7M10115 "Hygiene".**

The university traces its history back to 1952 from the moment of the opening of the Semipalatinsk Medical Institute. By the Decree of the Government of the Republic of Kazakhstan dated February 19, 2009 No. No. 199 PSE on REM "Semipalatinsk State Medical Academy" was transformed into the Republican State Enterprise on the basis of the right of economic management "Semey Medical University" with the definition of the main subject of activity of this enterprise as the implementation of industrial and economic activities in the field of health care and medical education (Certificate on state re-registration of a legal entity No. 2064 -1917-27-ГП dated 27.05.2009, Series B No. 0311105).

On February 5, 2019, the university was transformed into the Semey Medical University, a non-profit joint stock company.

Semey Medical University currently implements educational programmes of higher professional education, master's programmes, residency, doctoral studies. Training is conducted in the state, Russian and English languages. The form of training is full-time, full-time, distance.

The University is a participant in the competition of the European Foundation for Quality Management-2012 - certificate of the level "Pursuit of Excellence" 2013 - "Recognized Excellence".

The university received an award from Asian Network for Quality (ANQ). Received the Asian Education Leadership Awards for Best Educational Institution in Health care, Dubai, Turkey, 2012.

The university has a high status of a research center in the field of medicine, biology, biochemistry, etc. At present, the main scientific topic is "Scientific bases of rehabilitation of the population living in the region of the former Semipalatinsk nuclear test site", in which the teaching staff of the university departments work. The university is constantly working to expand international cooperation. International agreements have been signed with the medical center in Houston (USA, 1995), Tulsa (USA, 1998), universities in Nagasaki (Japan, 1997), Anwerp (Belgium, 1999) and Great Britain (2001), Israel, Singapore, Russia. In July 2009, an agreement was signed on a joint scientific research "Etiology of thyroid cancer among residents of the Semipalatinsk nuclear test site" between Nagasaki University (Japan), the Diagnostic Center of Semey,

The university has established the first international Ethics Committee in the Republic of Kazakhstan, which is registered in accordance with international standards at the Office for the Protection of Human Research of the US Department of Human Services and Health care in Rockville, USA IORG0004829, IRB00005756. University teachers are actively involved in the implementation of the programmes of the World Health Organization, UNICEF and UNFPA "Effective Perinatal Care" and "Early Childhood Care".

Educational programme of the specialty 7M10115 "Hygiene"(profile - 1 year of study) for the first time in the history of the University was developed in 2020, this academic year there was no recruitment. Responsible department for training in magistracy in the specialty7M10115 "Hygiene" - public health of NJSC "SMU".

The teaching staff of the department has a great pedagogical and scientific experience. Professor Chaizhunusova N.Zh. awarded the Vernadsky medal, awarded the honorary title of Honored Worker

of Science and Education, awarded the badge Golden Department of Russia, awarded the title of Honored Professor of Shimane University.

The teaching staff of the department take part in the International Scientific and Technological Projects “An unprecedented multicenter experimental study of the effect of ionizing radiation on a living organism using a nuclear reactor” (Semey Medical University, Kazakhstan, Hiroshima University, Japan and Obninsk Medical Radiological Research Center, Russia (coordinator - professor Chaizhunusova N.Zh.), participate in the republican scientific and technical project "Development of scientific and methodological foundations for minimizing the environmental load, medical support, social protection and health improvement of the population of ecologically unfavorable territories of the Republic of Kazakhstan" (2017-2019, Chaizhunusova N.Zh., Tokanova Sh.E.), in the International project Erasmus + (2017-2019) (Kulabukhova N.S.), in Erasmus + HARMONIZATION (2021-2023) (Tokanova Sh.E., Tokesheva Sh.M.).

For the implementation of an educational programme in the specialty 7M10115 "Hygiene" all conditions have been created, including the opportunity for undergraduates to access international databases: Cochrane, Pubmed, RINC, Up to Date, Medline.

## **2.2 Information on previous accreditation**

Accreditation of the educational programme of the master's degree in the specialty 7M10115 "Hygiene" has not been carried out to date.

## **2.3 Analysis of the self-assessment report of the master's degree programme in specialty 7M10115 "Hygiene"**

Self-assessment report educational programme presented on 93 pages of the main text, annexes on page 27 and copies or electronic versions of documents on the organization of education, located at the link <https://semeymedicaluniversity.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 the information provided by the accredited educational programme in the specialty 7M10115 "Hygiene". A cover letter signed by the rector prof. E. T. Zhunisova confirming the accuracy of the information and data contained in the report.

The report contains information about the representative of the SMU responsible for the self-assessment of educational programmes, Ph.D. Zhanaspaev Marat Amangazievich, Deputy Chairperson of the Board for Academic Affairs.

Self-assessment of educational master's programmes carried out on the basis of the order on the basis of the order dated January 18, 2021 No. 32 "On the creation of the composition of the Working Group on writing the "Self-assessment Report" of specialized and primary accreditation for 18 educational programmes of the NJSC "Semey Medical University", On the additional inclusion in the working group of representatives from practical health care and students

The working group on 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 (residency specialties) of medical educational institutions (hereinafter referred to as accreditation standards); 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.

The database, applications on 26 pages, are presented in full, sequentially and there are links 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 educational programme of the master's degree in the specialty 7M10115 "Hygiene" for compliance with the Accreditation Standards for Master's Degree Programmes in Health care**

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 commission, 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 [www.semeymedicaluniversity.kz...](http://www.semeymedicaluniversity.kz...)

The self-assessment and description were carried out in accordance with the criteria of the ECAQA accreditation standards and the questions formulated in the Self-Assessment Guidelines were answered. All standards show actual practice of NJSC SMU for the preparation of a magistracy in the specialty 7M10115 "Hygiene" taking into account the beginning of the admission of students in the 2020-2021 academic year, reasoned data, examples of the implementation of the tasks of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. Self-assessment report description is fairly completed and updated in terms of the number of residents, 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 clinical 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 SMU accredited master's degree programme 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 commission stage.

### **3. Description of external expert commission**

External expert work on the assessment of the master's educational programme in the specialty 7M10115 "Hygiene" of the NJSC SMU was organized in accordance with the Guidelines for the external assessment of educational organizations and educational programmes of ECAQA (approved by order of the Director General of the NU "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care" No. 5 of February 17, 2017) and according to the programme and schedule approved on April 26, 2021 by the Director general of ECAQA Sarsenbayeva S.S. and agreed with the rector E.T. Zhunusov.

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 residents, observation, study of the website, interviewing employees of various structural units, teachers, questioning teachers and residents, review of resources in the context of fulfilling accreditation standards, studying 33 educational and methodological documents both before the visit to the university and during the visit.

The NJSC SMU staff ensured the presence of all persons indicated in the visit programme and according to the lists of interview sites (Table 1).

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

<b>No.</b>	<b>FULL NAME.</b>	<b>Position</b>
1.	Zhunusov E.T.	Chairperson of the Board - Rector
2.	Zhanaspaev M.A.	Deputy Chairperson of the Board for Academic Affairs
3.	Aidosov N.S.	Deputy Chairperson of the Management Board for Strategic Development and International Cooperation
4.	Bulegenov T.A.	Deputy Chairperson of the Board for Scientific and Clinical Work
5.	Barsukov A.S.	Deputy Chairperson of the Management Board for Organizational and Economic Work
6.	Kyrykpaeva A.S.	Chief specialist of the research department
7.	Turarova E.M.	Chief Specialist of Graduate Employment Department and MF
8.	Enikeeva D.B.	Director of the Department of Administrative and Personnel Support
9.	Balashkevich N.A.	Acting Head of the Department of Medical Education
10.	Kadirsizova G.S.	Library manager
11.	Tokanova Sh.E.	Candidate of Medical Sciences, Associate Professor of the Department of Public Health
12.	Tokesheva Sh.M.	Candidate of Medical Sciences, Associate Professor of the Department of Public Health
13.	Samarova U.S.	Candidate of Medical Sciences, Associate Professor of the Department of Public Health
14.	Ibraeva Zh.B.	PhD, Lecturer at the Department of Public Health
15.	Nurtazina A.U.	associate professor of the department epidemiology and biostatistics
16.	Ibraeva Zh.B.	Chairperson of the CEP for Master and Doctoral Studies
17.	Zhunusova A.B.	Director of the Department of Academic Work
18.	Karsakova A.T.	Chief Specialist of the Department of Strategic Development and QMS

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

**The first day of the visit is 05/18/2021.** In accordance with the visit programme, members of the EEC on the first day of the visit met and conducted interviews with the Chairperson of the Board - Rector E.T. Zhunusov, Deputy Chairperson of the Board for Academic Affairs Zhanaspaev M.A., Deputy Chairperson of the Board for Strategic Development and International Cooperation Aidosov N. S. An interview with the management and key employees of the NJSC SMU made it possible to determine the fulfillment of most of the criteria for accreditation standards 1,2,3, 4,5,7,8,9, namely, to identify approaches in developing the mission of the educational programme and its compliance with the strategic goals of the university, the role and the place of postgraduate education in the clinical direction in the university strategy (plan), mechanisms in determining the appropriate specialty of the residency of clinical sites and qualified teachers, guarantees of the sufficiency of educational resources through the planning of public procurements and the conclusion of agreements with country and international partners (more than 40 agreements). Realizing that the accredited master's programme is relatively new, there was no recruitment for the student, the experts studied in detail the documentation, working curricula, syllables, control and measuring instruments, exam questions.

The experts found that the university strictly adheres to the requirements of regulatory legal acts and SES 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.).

The basis for effective management is the SMU Quality Assurance Policy and the "Department Policies" developed at the departments of the magistracy, as well as adherence to the Quality Guidelines when documenting the educational process (QMS is constantly supported and certified: 2005, 2009, 2013, 2018).

Conversation with the Dean of the School of Graduate Education Manatova A.M., Director of the Department of Science of the Department S.S. Kyrykpayeva and Chief Specialist of the Research Department A.S. Kyrykbayeva allowed experts to learn about approaches to attracting employees for teaching undergraduates, about the strategy and tactics of recruiting undergraduates, information security of postgraduate education, and also identify problems for the management and development of human resources.

A meeting was held with the employees of the division responsible for organizing the educational process, Director of the Department of Science Kyrykpayeva S.S., responsible for the educational programme in the specialty 7M10115 Hygiene Tokesheva Sh.M., it made it possible to learn about the problems and outlined the development prospects for the educational programme.

Further, an interview was held with the Deputy Chairperson of the Board for Scientific and Clinical Work, Bulegenov T.A., who reported on the scientific directions of the university, the system of motivation and participation in research work of teachers of departments, the effectiveness of research work, ensuring the implementation of research work by undergraduates, the choice of research topics, procedures for approving topics ...

A meeting was held with the heads of undergraduates Ibraeva Z.B., Khismetova Z.A., Tokesheva Sh.M., Iskakova A.M. articles and dissertations.

On the same day, meetings were held with Deputy Chairperson of the Board for Organizational and Economic Work A.S.Barsukov, Director of the Department of Administrative and Personnel Support Enikeeva D.B., Head of the Department of Medical Education Balashkevich N.A., Chief Specialist of the Department of Employment of Graduates and Medical Foundation Turarova E.M., where the issues of personnel and legal support, monitoring of the employment of graduates, satisfaction with the quality of training of graduates were highlighted. The experts received answers about the teacher training programme, the financing of this training, the availability of certification in teaching methods for teachers.

A meeting was held with members of the interdepartmental meeting on public health problems and the chairperson of the Committee for educational programmes, where it was said in detail about the prospects and problems of drawing up and implementing educational programmes.

On the same day, interviews with undergraduates and graduates took place. It is necessary to take into account the fact that the admission and release of the accredited educational programme has not yet been, therefore, it was not possible to conduct an interview with undergraduates and graduates. In general, undergraduates are satisfied with the training, assessment methods, and purposefully entered this university. Undergraduates believe that they will receive a good education and will be able to work independently after graduating from the university.

The undergraduates 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 research, funding, etc. The experts studied the documents of undergraduates (portfolio, assessment results, results questionnaires).

#### **The second day of the visit is 05/19/2021.**

This day was devoted to visiting the training bases of undergraduates for the implementation of programmes. At the bases, experts surveyed the resources of the accredited educational programme, their correspondence to the courses of study in the magistracy, accessibility for teachers and undergraduates, to what extent this equipment is modern and meets the needs of students and practical health care.

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

On the same day, interviews were held with teachers and employers (representatives of practical health care).

Interviews with teachers, as providers of the programme, showed that there are both successes and problems in the management of the educational programme, depending on the specific base (independent work). The experts received answers about the teacher training programme, the financing of this training, the availability of certification in teaching methods for teachers.

On the same day, experts studied materials on the admission of undergraduates and the selection of teachers.

Interview with employers for all the SMU Master's degree programmes declared for accreditation conducted online and included such issues as: knowledge of the university mission, participation in the development of the mission and proposals in the strategic plan, participation in the work of advisory bodies, satisfaction with basic knowledge and skills of undergraduates, provision of the department and undergraduates with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and universities in general, the employment of graduates, etc.

A review of resources showed that the training base for undergraduates in the specialty of hygiene corresponds to the goals and objectives of the accredited educational programme in the profile, modern equipment and its availability to all students, and the department staff provide collegial and ethical relations, guidance for achieving the final results of the educational programme. The base has 13 classrooms and a hygiene laboratory. 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 the training.

### **The third day of the visit May 20, 2021**

The experts visited the quality control department of medical education and the department of youth policy, where the issue of how the educational process is monitored and its quality control was discussed in detail.

The strategy department and the QMS prepared a presentation on the department's activities.

The experts studied the documentation of the Department of Public Health, which confirmed the compliance with accreditation standards (nomenclature of the department's affairs, plan for 5 years, annual plan for 2020-2021 academic year and report for 2019-2020, syllabus, feedback questionnaires with undergraduates, teachers, reports on the results of the questionnaire and the measures taken, control and measuring instruments), including documentation (extract from minutes No. 1, 5, 2, 6-B, 9, Academic Council, quality policy, composition of the CEP for magistracy, position on departments, regulations on interdepartmental control, regulations on the CPI system and differentiated remuneration for employees of the NJSC "SMU", regulations on the school of a young teacher) at the request of members of the EEC.

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 started to design the final report of the EEC.

A meeting of the EEC members was held. EEC members made generalizations of the results of the external evaluation. The experts individually completed the "Quality profile and the criteria for external assessment of the NIC for compliance with the Accreditation Standards of the Master's Degree Programme in Medical Education Organizations of the ECAQA". No comments were made by the EEC members. Recommendations for improving the postgraduate education sector in general and the department implementing the accredited educational programme were discussed. A draft report with recommendations was prepared.

Chairperson of the EEC prof. Kuzgibekova A. B held a final open vote on the recommendations for the NJSC SMU 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 as part of the accreditation of educational programmes for residency specialties.

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

An observer from ECAQA in May 19-20, 2021 conducted an online survey of students and teachers of the NJSC SMU on the resource [https://webanketa.com/...](https://webanketa.com/)

#### **Results of the survey of undergraduates:**

The total number of respondents is 200, of which 15 are undergraduates

Of the total number of respondents, undergraduates are 7.5%.

Will recommend this university as an educational organization - 86% fully agree, partially - 11%. 90% of those surveyed fully agree and 8.5% partially agree that programme managers and teaching staff are aware of their learning problems. Fully (88.5%) and partially (10%) are satisfied with the conditions and equipment of classrooms and classrooms of the university. According to 87% (fully) and 11.5% (partially) office equipment is available for practice bases. Teachers provide residents with methodological and didactic materials, additional literature to prepare for classes - 92% fully agree, partially - 6%. Fully (90.5%) and partially (9%) are satisfied with the library fund and resources. 97% of respondents have access to electronic educational resources, and 3% believe that it is partially.

The organization of clinical training in the opinion of 84.5% fully satisfies them, and 12.5% partially. Fully (94.5%) and partially (3.5%) are satisfied with the teaching methods. There is enough time for practical training (supervision of patients, etc.) - 93.5% fully agree, and 5.5% partially. Satisfied with the methods of assessing my knowledge and skills - 94.5% fully agree, 3.5% partially. In the opinion of 88.5% of teachers in the classroom, they use active and interactive teaching methods regularly, and in the opinion of 0.5% - rarely.

In the opinion of 92% of the respondents, teachers constantly provide feedback after the end of classes, but in the opinion of 5% - sometimes and 0.5% - rarely. 94% are completely satisfied that they are studying at the university, partially 4.5%, disappointed - 1% of the respondents. The university allows you to improve or acquire the necessary knowledge and skills in the chosen specialty 97.5% are confident, 0% are not sure, 0% cannot give an answer, 2.5% would like to believe it, 0% began to doubt it. Fully (94.5%) and partially (5.5%) are satisfied with the organization of teaching at the NJSC SMU.

According to 87% of respondents, accreditation is a necessary mechanism to improve educational programmes, but 8.5% believe that it is not necessary to carry out and 4% doubt the answer. The work of the EEC was assessed as positive - 97.5%, satisfactory - 0.5%.

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

The total number of teachers on the list is 67. The total number of respondents is 67, including those with up to 5 years of experience - 20.5%, up to 10 years - 14.93%, over 10 years - 64.18%. 82.09% are fully satisfied with the organization of the educational process, 16.42% are partially satisfied. At the university, ethics and subordination are observed in full agreement 94.03%, in part - 5.97%. 89.55% of respondents are completely satisfied with the organization of work and workplace, partially 8.96%. In the organization there is an opportunity for career growth and development of competence for teachers - 83.58% fully agree, partially - 14.93%.

In this educational organization, teachers have the opportunity to engage in scientific work and publish the results of research work - 77.61% fully agree, partially 14.93%. 68.66% of respondents are fully satisfied with the work of the personnel department, 28.36% are partially satisfied. The majority of those surveyed have undergone advanced training for the last 5 years. Only 91.04% fully agree that they can realize themselves as professionals, and 8.96% - partially. Unfortunately, 17.91% did not answer the question of whether the university supports the teacher in participating in international and national events, and 16.42% did not contact the management or the relevant administrative staff of the university with this. The majority of respondents (79.1%) fully agree, and 10.45% partially agree with the that students have free access to patients at the clinical bases of the university and to the resources

of the practice bases. 31.34% of respondents do not know about the implementation of social programmes to support teachers, and 7.46% of respondents doubt their existence. Management and administration systematically listen to the opinion of teachers - 62.69%, sometimes - 25.37% of respondents. When teaching students, a variety of teaching methods are used, but more often work is analysis of situational tasks (88.06%), work in small groups (62.69%), oral questioning and analysis of a topic (71.64%), also problem-oriented training (38.81%), solving tests (71.64%), solving cases (71.64%), less often writing assignments (29.85%). Fully 64.18% agree that this survey will be useful for developing recommendations for improving the university and educational residency programmes,

The results of the questionnaire are presented in the Attachment and, in general, demonstrate the effective management of educational programmes, the positive aspects of learning on master's programmes, at the same time, identify areas for improvement (social support programmes for teachers, the availability of leadership and administration for teachers and students, 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 the accredited educational programme. 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 programme of the NJSC SMU was analyzed. All the information received was compared with the data of the self-assessment report, which made it possible to make sure of the accuracy of the information provided by the NJSC SMU and supporting documents for compliance with the ECAQA Accreditation Standards.

Despite the fact that in the self-assessment report of the educational programme of the NJSC SMU described its best practice in observing accreditation standards, during the external expert commission, the EEC members studied the main documents (mission, strategic plan until 2024, teaching materials of disciplines, syllabuses, control and measuring instruments, checklists, undergraduate portfolios, individual undergraduate plans for the 2020-2021 academic year, publications of teachers, rules for admission to graduate programmes, personnel policy, an internal quality assurance system programme, resources for training were viewed directly on the bases of departments (classrooms, office equipment available for undergraduates to work with literature, documentation, educational and methodological literature), which made it possible to identify the compliance of the educational organization with the basic accreditation standards.

When carrying out an external examination of the accredited educational programme, there is a training base for undergraduates, of which the experts visited the Department of Public Health, a hygiene laboratory. The volume of the study load by specialty sections is determined by the individual work plan of the master's student for one year and monitored by monthly reports in an arbitrary form. The accounting of completed tasks is drawn up in the form of a portfolio according to the recommendations in the syllabus.

The experts took into account the fact that the accredited educational programme for the current state educational standard was introduced in the 2020-2021 academic year, therefore, there are no students at this time, nevertheless, the entire educational, methodological, personnel and resource base has been assessed for compliance with accreditation standards. Through interviews with teachers, it was possible to determine their direct participation in the development (CEPs, meetings of departments), the assessment of educational programmes (CEP), decision-making on a number of key issues, topics of electives, participation in the appeal commissions for the admission and assessment of students, the development of the content of individual plans undergraduates and the choice of leaders. However, there are no students and employers in the CEP of the magistracy.

At the same time, this justified the need to include in the post-accreditation monitoring, along with the implementation of the recommendations of the EEC, an annual report on the contingent of students.



Recommendations for improving activities in the implementation of the Master's degree programme in the specialty of hygiene for compliance with the Accreditation Standards, developed by the EEC based on the results of the expert commission, were presented at a meeting with the management on May 20, 2021.

The programme of the 3-day visit of the external expert evaluation of the EEC has been fully completed. On the part of the NJSC SMU team, the participation of all persons indicated in the programme 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 programme in full in accordance with the Regulation on the External Expert Commission, the Guidelines for the external assessment of a medical organization ECAQA education.

For the work of the EEC, comfortable conditions were created, access to all necessary information and material resources of the accredited educational programme was organized. Experts note the high level of corporate culture and discipline of those responsible for the postgraduate education of the staff of the NJSC SMU, department, employees of clinical bases, a 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 7M10115 "Hygiene» of NJSC SMU and an overview of the strengths for each standard.**

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

The mission of the Master's educational programme (MEP) in the specialty 7M10115 "Hygiene" is the formation of the human resources of specialists in demand in the labor market, corresponding to modern intellectual requirements and the development strategy of the Republic of Kazakhstan, who successfully carry out organizational, managerial and expert-analytical activities in the field of preventive medicine.

Access to the mission and any other information related to the strategy, activities to implement the objectives of the strategy, educational programme for potential undergraduates, their sponsors, stakeholders and the health sector link

<https://semeymedicaluniversity.kz/obuchenie/obrazovatelnye-programmy/...>

The project of the mission of the educational programme was discussed at the meeting of the Department of Public Health on 05.02.2021 (Protocol 7B). In the discussion, the mission was accepted by employers who gave a positive response to the AAR. The results of the external examination were considered and approved at a meeting of the Academic Committee of NJSC "SMU"

Responsible for the Master's programme in the specialty 7M10115 "Hygiene" the Department of Public Health applies a variety of innovations in the learning process, allowing to develop the basic and special competencies of undergraduates, namely, work with regulatory documents, solving situational problems, training in laboratories.

NJSC "SMU" is autonomous in terms of administrative management, scientific programmes, forms of education and pedagogical work. The experts received convincing data that the university is autonomous in making decisions in the development of an educational programme in terms of the elective component, the current and final assessment policy, including the choice of assessment methods (testing, oral questioning, clinical examination), selection and admission of undergraduates (specialty exam), personnel policy in relation to teachers under the accredited educational programme, as well as the distribution of resources (classroom fund of clinical bases according to contracts).

In the EMCD, the final learning outcomes are determined in accordance with the qualification requirements for the specialty of the magistracy.

The university has developed the Policy of Academic Integrity, the Code of Corporate Ethics (11/21/2019), which are introduced to all undergraduates, and work on the development and

improvement of communication skills is carried out systematically and integrated into the work programme.

At the same time, the participation of practical health care in the development of the mission and goals of the educational programme, reviewing of the EP is sufficiently reflected, and feedback from practical health care is collected in the formation of optional components.

Overall, Standard 1 demonstrates compliance.

**Strengths:**

1. Experience in the preparation of undergraduates, provided with the best bases and professional teaching staff.
2. Orientation of the educational programme in the specialty 7M10115 "Hygiene" to the expectations of the employer and the needs of the labor market.
3. A clear vision and strategic planning in postgraduate education and an appropriate management structure.

*Conclusions of the EEC on the criteria.* Out of 5 standards conform: completely - 4, significantly - 1, partially - 0, do not correspond - 0.

*Standard 1: completed*

*Recommendations for improvement identified during the external visit none*

**Standard 2: EDUCATIONAL PROCESS**

The accredited residency programme in the specialty 7M10115 "Hygiene" is implemented in accordance with the State Compulsory Standards and Standard Professional Curricula for 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 Chapter 2. Requirements for the content of master's degree programmes with a focus on learning outcomes) within 1 year and during this period, a lot of work has been done to develop educational and methodological materials, organize a place of study for undergraduates, form the composition of departments and identify leaders. The structure, content and duration of the programme are clearly defined and developed on the basis of the "Regulations on the procedure for the development, approval of the examination of the educational programme in the NJSC SMU" dated March 29, 2019. The mechanism for the development, approval of the residency programme is determined and regulated by the CEP.

The teachers of the departments apply a variety of active methods (business games, CBL, PBL, TBL, e-learning, case study, OSPE and others) and traditional (oral analysis, mini-lectures) training, according to which staff members are periodically trained within the university and in other organizations. The dean's office monitors this process and, through the Department of Medical Education and the School of Young Teachers, train newly hired teachers. Teaching methods are reflected in Syllabuses and correspond to blueprints, which in turn are attached to the learning management system - LMS KEYPS.

The accredited educational programme is sufficiently provided with leaders who carry out their activities in accordance with Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 391 dated June 17, 2015, qualification requirements, as amended by order of the Ministry of Education and Science of the Republic of Kazakhstan No. 231, dated June 5, 2020. and are issued by the order of the rector... Scientific supervision is carried out by a teacher who has the academic degree "Candidate of Science", or "Doctor of Science", or "Doctor of Philosophy (PhD)", or "Doctor of Profile", or the academic degree of "Doctor of Philosophy (PhD)", or "Doctor of Science" profile ", or the degree" Doctor of Philosophy (PhD) ", or" Doctor of Profile "corresponding to the profile of the requested direction, with experience of scientific and pedagogical work for at least three years, is the author of 5 scientific articles over the past five years in publications included in The list of scientific publications recommended for publication of the main results of scientific activity, approved by the authorized body in the field of education and science (hereinafter - the List of

publications) and 1 scientific article in an international peer-reviewed scientific journal, having an impact factor according to data having an impact factor according to JCR data (WSR) or indexed in one of the Science Citation Index Expanded, Social Science Citation Index or Arts and Humanities Citation Index databases in the Web of Science Core Collection or the percentile indicator for the Cite Score (SiteSkor) is not less than 25 in the Scopus database (the international cited base is presented from the order No. 391 of the Ministry of Education and Science of the Republic of Kazakhstan). No precedents of inequality, lack of ethics or other violations of a gender, cultural or religious nature have been established in the process of external evaluation. Social Science Citation Index or Arts and Humanities CitationIndex in the Web of Science Core Collection or the Cite Score percentile indicator at least 25 in the Scopus database (the international cited database is presented from order No. 391 of the Ministry of Education and Science of the Republic of Kazakhstan) ... No precedents of inequality, lack of ethics or other violations of a gender, cultural or religious nature have been established in the process of external evaluation. Social Science Citation Index or Arts and Humanities CitationIndex in the Web of Science Core Collection or the Cite Score percentile indicator at least 25 in the Scopus database (the international cited database is presented from order No. 391 of the Ministry of Education and Science of the Republic of Kazakhstan) ... No precedents of inequality, lack of ethics or other violations of a gender, cultural or religious nature have been established in the process of external evaluation.

During the examination of the educational programme, it was established that the EP for the magistracy of the specialty 7M10115 "Hygiene" is based on credit-modular technology and a competency-based approach. The content of the modules ensures the continuity and transfer of learning outcomes and credits.

The structure of EP 7M10115 "Hygiene" is based on a modular principle, contains learning outcomes and competencies. The programme is aimed at acquiring general and special competencies and is focused on the final learning outcomes. The educational programme in the specialty 7M10115 "Hygiene" includes disciplines, each of which contains not only basic, but also modern views and advanced theories, as well as methods of a critical and critical-reflective approach.

The NJSC SMU has developed provisions for the implementation of a programme evaluation mechanism, including "On the assessment of the academic progress of students" (15.11.2019) includes a structure for assessing academic progress, formed from various types of assessment; determines the content of education: portfolio assessment, progressive testing, calculating the average GPA, "Regulations on the student assessment committee" (11/15/2019), the purpose of which is to conduct an examination of the examination material for conducting formative and summative assessment.

Thus, the educational programme of the master's degree in the specialty 7M10115 "Hygiene" demonstrates the integration between teaching and scientific activity.

#### **Strengths:**

1. When developing the educational programme, the needs of practical health care were taken into account.
2. Teaching and learning methods are constantly being improved.

**Conclusions of the EEC on the criteria.** Out of 21 standards conform: completely - 17, significantly - 4, partially -, do not correspond - 0.

**Standard 2: completed**

**Recommendations for improvement identified during the external visit:**

- 1) Include students and employers in the CEP for master's degree

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

In the Academic Policy of NJSC "Semey Medical University" for the 2020-2021 academic year, approved by the Academic Council of the University on September 24, 2020 (Protocol 2 of September 24, 2020), as well as in the Academic Policy of Distance Learning at NJSC "Semey Medical University" , including in the conditions of a gradual exit from the quarantine regime (from

20.01.2021), the procedure for organizing the educational process, the model for assessing educational achievements, the procedure for conducting examinations, including the final state certification, the rules for filing and conducting an appeal, are regulated. Where is the information on the requirements for class attendance and the criteria for assessing knowledge, skills and abilities is spelled out. According to this document, the examination is carried out in two formats: formative assessment - electronic theoretical or practical exams at regular intervals, allowing you to get feedback on the students' assimilation of the programme; summative exam - the final control of the discipline, consisting of a theoretical and / or practical exam. Passing scores for disciplines are also established here, as well as the criteria for transferring from course to course. The boundaries of grades and criteria for retaking exams are established in accordance with Order No. 595 of 10/30/18. MES RK.

Rules for the current monitoring of progress, intermediate and final certification of students of the NJSC SMU, Regulations on the quality control department of medical education of the NJSC SMU (dated 11.11.2019) The faculty of departments, heads of departments (modules), the office of the registrar.

The assessment of the academic achievements of undergraduates covers the assessment of key competencies, and the assessment tools themselves are developed by departments / modules - control questions, tasks in test form (MCQ tasks with several options for correct answers), a list of practical skills, situational tasks. Information about the point-rating system of assessment is posted on the website <https://semeymedicaluniversity.kz/obuchenie/politika-disciplin/>

Portfolio is used as an additional method for evaluating master's students, which experts got acquainted with at the departments supervising master's programmes. Undergraduates are engaged in research work, which must necessarily end with the publication of a scientific article or a report at scientific and practical conferences, and the defense of a dissertation. The assessment of scientific work also affects the overall assessment of the discipline.

The approved schedule of exams for the information of students is provided on the official website, KEYPS +, as well as in the distance learning format - via WhatsApp, Telegram. Control is vested in the Deputy Deans of the Schools.

NJSC SMU has developed Regulations for the implementation of the programme evaluation mechanism, incl. 1) "On the assessment of the academic progress of students" (15.11.2019), including the structure for assessing academic progress, formed from various types of assessment; portfolio assessment, progressive testing, GPA calculation; 2) "Regulations on the Student Assessment Committee" (15.11.2019), the purpose of which is to conduct an examination of the examination material for conducting formative and summative assessment.

In turn, the KEYPS ACSUP allows you to analyze the coverage of learning goals for each type of assessment, where you can see the progress of students on issues related to specific learning goals. This allows you to control the learning process, the methodology of teaching subjects, as well as the quality of control and measuring instruments.

When conducting an electronic examination in the KEYPS APCS system, control and measuring instruments (CIS) of the following formats are used: questions with one correct answer, questions with many correct answers, questions for pairing. The practical part of the training is assessed by the OSPE method.

Conducting an electronic exam on an isolated server and using electronic checklists can guarantee the reduction of corruption risks and eliminate conflicts of interested parties. Downloadable CISs are double checked to improve the quality of knowledge assessment.

Based on the example of the strategic partner of NJSC "SMU" - Bashkent University (Turkey), an Evaluation Committee was created, the functions of which include the analysis and evaluation of control and measuring instruments (CIS) (Regulations on the Student Assessment Committee of the NJSC "SMU" dated November 13, 2019). The members of the committee monitor the admitted deviations of the CIS - tasks that violate the criteria and methods of testology. In the future, the questions used in the exams are re-evaluated by applying psychometric methods. Double checking of CISs allows to improve the quality of knowledge assessment.

At the university, objectivity, transparency of grades and the process of assigning grades to students also occurs through the proctoring system, "Blinding" of examiners who check this work (examiners must check the work of students whom they have not taught), as well as the independence of examiners.

The presence of the Evaluation Committee in most cases helps to avoid questions about the appeal of the results. According to the Academic Policy of NJSC "SMU", a student who does not agree with the quality of the examination material (incorrect questions), on the day of the exam, has the right to submit an appeal to the name of the chief specialist of the registrar's office. The specialist of the registrar's office forms an appeal commission. During the meeting of the appeal commission, the content of the checklists, student answer sheets (if any) and the video recording of the student's answer are considered, each item specified in the appeal statement is examined. The decision is made collectively.

At the university, the appeal procedure is adopted at the official level, the appeal commission includes the administration and teaching staff.

The following assessment methods are used to assess the knowledge of master's degree students in the NJSC SMU: computer testing, portfolio assessment, practical skills assessment, interview (OE - Oral examination) - oral exam, SGL (small group learning), work in team (TBL - Team Based Learning), etc.

The "Regulations on the magistracy of the NJSC" Semey Medical University "describes the structure of management of the learning process for undergraduates, the organization of the educational process in the magistracy, the management of the undergraduate, the organization of independent work of the undergraduate, the rules for the current, intermediate and final control of undergraduates, the final certification of undergraduates, the rules for granting academic leave, the procedure for restoration and transfer to training, the rights and obligations of undergraduates.

In the "Policy of Academic Honesty of the NJSC" Semey Medical University "(11.11.2019), the rules of academic honesty, including in relation to plagiarism, are spelled out. The University has introduced a technology for checking the graduation qualification works of undergraduates and other written works through the system of checking the borrowed text" Antiplagiatiat "(criteria, requirements are described in the Regulations on the Antiplagiatiat programme).

The University has developed Methodological Guidelines for the final state certification of graduate students of the NJSC "Semey Medical University", which regulate the procedure for the final certification of undergraduates.

The Quality Control Department of Medical Education (QCDME) has developed questionnaires for students and teachers, which allow them to assess the quality of the services provided in the field of training and educational processes.

The accredited educational programme of the magistracy 7M10115 "Hygiene" was introduced in the 2020-2021 academic year, there was no recruitment of students in the current academic year, therefore, a similar practice will be used in the future for the master's programme in the specialty 7M10115 "Hygiene".

#### **Strengths:**

1) Selectronic system ACSUP KEYPS, you to reduce corruption risks and eliminate conflicts of stakeholders...

2) Availability of a documentary procedure for ensuring objectivity, transparency of grades and the process of giving grades, the presence of a system for appealing the results of student assessment

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

**Recommendations for improvement identified during the external visit:** No

#### **Standard 4: STUDENTS**

In NJSC SMU, the formation of a contingent of undergraduates is carried out on the basis of the received state educational order for the training of scientific and pedagogical personnel and on a contractual basis.

The procedure for admission of students is carried out in accordance with the "Standard rules for admission to training in educational organizations implementing educational programmes of postgraduate education", approved by Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 600, by order of the Minister of Education and Science of the Republic of Kazakhstan dated May 8, 2019 year 190 "On Approval of the Rules for Conducting Comprehensive Testing" and the Regulations on the Admission of Students to Higher and Postgraduate Education at NJSC "SMU".

Selection and admission policy for master's degree in NJSC "SMU" is regulated by the "Regulations on admission to the magistracy", which is amended and supplemented in accordance with the relevance of the requirements of the regulatory framework of the Republic of Kazakhstan and the development strategy of the university.

Management of the process of admission to the magistracy is carried out under the guidance of the Chairperson of the Board-Rector of NJSC "SMU", who is the Chairperson of the admission committee for postgraduate education programmes. Organization and implementation of the process of accepting applications for participation in complex testing and acceptance of documents for enrollment entrusted to the admissions office of the university...

Persons who have mastered the professional curriculum of higher education are admitted to the magistracy. The previous minimum level of education of persons wishing to master the educational programme of the Master's programme "Hygiene" is a higher professional education in the specialties: "Public health", "General medicine", "Preventive medicine".

In 2020-2021 year of admission to the magistracy in the specialty 7M110115 "Hygiene" was not.

The admissions committee develops and updates handouts in the form of memos to the applicant, brochures with infographics and information is available on the university website in the section Admission - Master [https://semeymedicaluniversity.kz/postuplenie/magistratura/...](https://semeymedicaluniversity.kz/postuplenie/magistratura/)

In NJSC "SMU" undergraduates are trained on the basis of individual work plans, which are drawn up under the guidance of scientific supervisors. Control over the implementation of the individual master's student plan, execution and timely submission of documentation for the master's research, in accordance with the "Regulations on the magistracy of NJSC "Semey Medical University", is assigned to the supervisor.

Monitoring of the results of students at NJSC "SMU" is carried out in accordance with the Academic Policy and is supervised by the Deputy Chairperson of the Board for Academic Affairs. The results of academic performance are discussed at the meetings of the department, at the Academic Council of the university. The final result of the research or experimental research work of a master's student is a master's thesis. A master's student is admitted to defense if there is at least one publication on the topic of the dissertation (project) in scientific publications, journals or in the materials of an international or republican scientific conference. Master's theses (projects) are checked by the university for plagiarism.

The "Regulations on the magistracy of the NJSC" Semey Medical University "spell out the rules for current, intermediate and final control of undergraduates...Dismissal from the magistracy of NJSC "SMU" is carried out in the following cases: 1) completion of the educational programme of the magistracy, as well as passing the final certification; 2) a master's student who has mastered the full course of theoretical study of the educational programme of the master's programme, but has not completed the research component, is given the opportunity to re-master the credits of the research component and defend a thesis in the next academic year on a paid basis; 3) if there is a debt in payment for tuition in accordance with the clauses of the agreement concluded by NJSC "SMU" with the master's student; 4) if the student has not received the required transfer score or has academic debt at

the end of the academic year; 5) in case of repeated violation of the discipline policy adopted in NJSC "SMU", the Charter of NJSC "SMU"; 6) at your own request.

The university has various youth organizations, Schools, Clubs, incl. KazMSA; Zhas Otan; Enactus; Special Olympics; "Syrgalym" syrlasu mektebi; Debate Club "Salawat"; School of Public Health; School "Healthy Smile"; School of Nursing Care; Press club "Medic press"; "Abaytan"; KVN Kazakh League; Sheberlik; Museum Studies Club; School of Management; student scientific society; Council of Young Scientists, amateur performances; "Focus"; Assembly of Peoples; student government council (SGC). University students are actively involved in the volunteer movement at the national and international levels.

In the future, similar approaches will be used in the implementation of this educational programme.

**Strengths:**

1. Information availability and service (library, academic consulting, career center) for undergraduates.
2. The university has a practice of promoting and supporting the activities of undergraduates and their public organizations

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

*Standard 4: completed*

***Recommendations for improvement identified during the external visit:***

- 1) Strengthen career guidance among undergraduate graduates, as well as among specialists of territorial departments of sanitary and epidemiological control.

**Standard 5: STAFFING**

The University adopted the Personnel Policy and the Regulations on the Personnel Policy of the Non-Commercial Joint Stock Company "Semey Medical University" dated September 30, 2019, according to which the personnel policy is carried out in accordance with the main priority areas of the University Development Plan. The personnel policy of 2019 was developed on the basis of the Labor Code of the Republic of Kazakhstan dated November 23, 2015 No. 414-V, the Code of the Republic of Kazakhstan "On people's health and the health care system" dated September 18, 2009 No. 193-IV, the Law of the Republic of Kazakhstan "On education" dated July 27, 2007 No. 319-III, the Law of the Republic of Kazakhstan "On non-profit organizations" dated January 16, 2001 No. 142, the Law of the Republic of Kazakhstan "On joint stock companies" dated May 13, 2003 No. 415, the Charter of NJSC "Semey Medical University".

NJSC "SMU" fully provided with qualified teaching staff with a high degree of graduation (table 17 Attachment to the self-report information about the teaching staff of the profiling departments). According to the personnel policy, recruitment at NJSC "SMU" is carried out through competitive selection. All information about the upcoming competition for filling vacancies is posted on the university website (<https://semeymedicaluniversity.kz/>) and through the media, electronic exchange <https://www.enbek.kz/>. Along with the competitive selection, the university operates a system of permanent certification of the teaching staff. The regulation on certification of employees of the Semey Medical University was approved on May 27, 2019. Certification includes two sequential stages: testing and (or) assessment by the "360 degrees" method in accordance with the position held: testing to assess the pedagogical and scientific competencies of the employee - for the teaching staff (professor, associate professor, senior teacher, teacher, assistant ); testing and assessment "360 degrees" head of the department; proficiency testing and information and communication technology testing for educational support personnel (laboratory assistants and senior laboratory assistants).

Among the teachers of the graduating department of public health, who in the future will be involved in the implementation of the accredited OPM, Professor Chaizhunusova N.Zh. was awarded

the Vernadsky medal, has the honorary title of Honored Worker of Science and Education, was awarded the medal "Golden Department of Russia", was awarded the title of Honored Professor of Shimane University, Hirsha's index - 4 (Scopus), 2 (Web of Science); associate professors of the department: Sh.E. Tokanova - member of the Academic Committee, Chairperson of the Ethics Committee for Academic Work; U.S. Samarova - a member of the Academic Committee, the Center for Scientific and Cultural Affairs of the University, the chairperson of the interdepartmental council for the specialty "Public Health"; Sh.M. Tokesheva - a member of the Ethics Committee, a member of the CNSC, a member of the interdepartmental council in the specialty "Public health",

Novice teachers visit the "School of Young Teachers", where they gain knowledge on teaching methods, which makes it possible for the teaching staff to develop their own and adapt existing innovative teaching methods, to correct pedagogical methods.

There is a sufficient availability of qualified mentors with sufficient research experience to prepare a master's thesis. The personnel potential of the university possesses modern pedagogical technologies and methods, creates the conditions necessary for the comprehensive development and socialization of the personality of students, broadcasts advanced experience, which makes it possible to effectively implement professional education programmes in accordance with the requirements of the Qualification characteristics of teaching staff positions and requirements for licensing educational activities...

The teaching staff of the department take part in the International Scientific and Technological Projects "An unprecedented multicenter experimental study of the effect of ionizing radiation on a living organism using a nuclear reactor" (Semey Medical University, Kazakhstan, Hiroshima University, Japan and Obninsk Medical Radiological Research Center, Russia (coordinator - professor Chaizhunusova N.Zh. - Hirshi index - 4 (Scopus), 2 (Web of Science), participate in the republican STP "Development of scientific and methodological foundations for minimizing the environmental load, medical support, social protection and health improvement of the population of ecologically unfavorable territories of the Republic of Kazakhstan" (2017-2019, Chaizhunusova N.Zh., Tokanova Sh.E.), in the International the Erasmus + project (2017-2019) (Kulabukhova N.S.), in Erasmus + HARMONIZATION (2021-2023) (Tokanova Sh.E., Tokesheva Sh.M.). Information about the scientific activity of the teaching staff of the OPM 7M10115. ([https://drive.google.com/file/d/1ov09LSS0INJvQI\\_A\\_SMIO8taQspAWciX/view?usp=sharing](https://drive.google.com/file/d/1ov09LSS0INJvQI_A_SMIO8taQspAWciX/view?usp=sharing) <https://drive.google.com/file/d/1Vt2QVqPHdtkV1ubEAJyvI6zLN5hKKcgO/view?usp=sharing> <https://drive.google.com/file/d/16j8asbfkmKssueKuN-nN39zHtFoJwQdk/view?usp=sharing> [https://drive.google.com/file/d/1ov09LSS0INJvQI\\_A\\_SMIO8taQspAWciX/view?usp=sharing](https://drive.google.com/file/d/1ov09LSS0INJvQI_A_SMIO8taQspAWciX/view?usp=sharing) [https://drive.google.com/file/d/1ov09LSS0INJvQI\\_A\\_SMIO8taQspAWciX/view?usp=sharing](https://drive.google.com/file/d/1ov09LSS0INJvQI_A_SMIO8taQspAWciX/view?usp=sharing))

Thus, highly qualified scientific and pedagogical personnel with sufficient research experience to prepare a dissertation will be involved in the implementation of the educational programme in the specialty of the Master's programme "Hygiene".

#### **Strengths:**

- 1) Educational programmes are provided with a highly qualified teaching staff with sufficient research experience to train undergraduates.
- 2) Effective mechanisms of motivation and development of teaching staff have been developed (CPI system, personnel reserve "Nadezhda", School of a young teacher).
- 3) the existence of a personnel policy aimed at encouraging and rewarding teachers in order to develop their experience in education.

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

**Standard 5: completed**

**Recommendations for improvement identified during the external visit:**

- 1) Strengthen work on improving the qualifications of teaching staff in a foreign language



## **Standard 6: EDUCATIONAL RESOURCES, SETTING AND SCHOLARSHIP**

NJSC SMU 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. Periodically conducts training of teachers with the involvement of domestic and foreign specialists.

The library of NJSC "SMU" provides undergraduates with educational, scientific and educational-methodical literature necessary for organizing the educational process in all disciplines in strict accordance with the standard curricula (Tables 20, 21, 22 appendixes to the self-report). The information support available in the library of NJSC "SMU" sufficiently meets the requirements of educational programmes and includes educational, reference and general literature, as well as various periodicals.

University undergraduates have access to a unified computer network of the University with Internet access, the information and educational portal of the university - KEYPS, with a unified user authentication / authorization system.

At the university, at the departments, mini-libraries were opened, equipped with educational and methodological materials, as well as computer support with Internet access, which are actively used by undergraduates. The mini-library has free access to world medical resources - UpToDate, Cochrane, PubMed

You have access to the following databases:

1. BD "Cochrane Library" WWW.cochrane.org.
2. BD Paragraph "Medicine" www.prg.kz
3. BD "SpringerLink" www.SpringerLink.com
4. BD Web of Knowledge www.Thomsonreuters.com (ThomsonReuters)
5. Republican Interuniversity Electronic Library (RIEL)
6. Medline

The specialized department of public health for organizing the educational process, conducting scientific research for undergraduates has computers, modular stations, a laptop and appropriate teaching software.

The university website has a "Distance learning" tab (<https://semeymedicaluniversity.kz/distancionnoe-obuchenie/>). with the sections: "Instructions for the implementation of distance learning in NJSC" SMU ", " Algorithm for monitoring the work of the chat of the group and the teacher ", " Curators and those responsible for monitoring distance learning ", " Rules of teaching staff for the period of distance learning ", " Order to the instructions for DL implementation, Academic policy of distance learning ", " Analysis of the clinical case of CBL in distance learning ", etc. The content of the remote portal contains all the necessary sections regulating the organization of the educational process at preschool, there is a heading "Frequently asked questions of students of NJSC" SMU "on the transition to distance learning", the MOODLE web application (access by personal login and password), as well as a detailed video instruction how DO looks like on the KEYPS platform,

Safe learning and a safe environment for all categories of learners, incl. and undergraduates during classes and during extracurricular hours on the territory of the university and on clinical (practical) training bases are provided by the Department of Security, Civil Defense and Emergency Situations of NJSC "SMU".

Since there was no recruitment of students for the accredited OPM in the specialty 7M 110115 "Hygiene" in the current academic year, the Appendices (Tables 20, 21, 22) contain data on material

and technical means and library resources that will be used in the future in the implementation process this AAR

**Strengths:**

- 1) Wide access of teachers and students to a unified system of information and library services for the implementation of the educational programme
- 2) The university has a material and technical base and modern infrastructure that provides effective support for the educational process (KEYPS PLUS software, Orion, etc.).
- 3) Book availability is at a sufficient level, at the specialized department for the preparation of undergraduates there is a mini-library (more than 100 copies of printed editions).

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

**Standard 6:** *completed*

**Standard 7: MONITORUNG AND EVALUATION OF EDUCATIONAL PROCESS**

The quality of educational activities in NJSC "Semey Medical University" is ensured by an intra-university monitoring system, which is fixed in the "Strategy for ensuring the quality of the educational process in NJSC" Semey Medical University "(11/23/2020). Mechanisms for assessing and monitoring the educational process at the university are also regulated by internal regulatory documents: Academic policy, Regulations on the Academic Committee, Regulations on coordinators of specialties and responsible for disciplines; Job descriptions of the teaching staff and AMP; Regulations on the CPI system and differentiated remuneration of employees of the NJSC Semey Medical University ".

On the implementation of the EP assessment mechanism at the university, the following provisions have been developed: 1) "On the assessment of the academic progress of students" (11/15/2019), which includes a structure for assessing academic progress, formed from various types of assessment; determines the content of education: portfolio assessment, progressive testing, calculating the GPA; 2) "Regulations on the committee for assessing the achievements of students" (15.11.2019), the purpose of which is to conduct an examination of the examination material for conducting formative and summative assessment.

The main organizational structures providing monitoring, formation, approval and updating of EP at the University are:

- Committees of educational programmes (CEP), responsible for the quality of development, implementation, and updating of the programme;
- The Academic Committee, which examines the relevance and competitiveness of the EP, its content, resource provision, the level of educational technologies and guarantees of the quality of education.
- Department of Quality Control of Medical Education (QCDME).

In order to ensure the quality of EP, NJSC "SMU" provides tools for monitoring the quality assessment of the content and implementation of the educational process of undergraduates.

NJSC "SMU" has developed provisions for the implementation of the programme evaluation mechanism: "On assessing the academic progress of students" (November 15, 2019), "Regulations on the student assessment committee" (November 15, 2019)

The results of the regular monitoring and periodic evaluation of educational programmes are considered and discussed at a meeting of the specialized CEP, the Academic Committee, the Scientific Council of NJSC "SMU" with the analysis of comments and the development of recommendations for improving educational programmes.

NJSC SMU constantly uses approaches and mechanisms to analyze the activities of undergraduates in relation to expected learning outcomes, provide resources through feedback (100%). The questionnaire is posted on the university website in the distance learning section [https://semeymedicaluniversity.kz/distancionnoe-obuchenie/...](https://semeymedicaluniversity.kz/distancionnoe-obuchenie/)

Stakeholders' access to the results of the evaluation of the educational programme is provided by the official website of NJSC "SMU", where feedback on the work of graduates, recommendations

and wishes from employers are posted. Also, the results of the EP assessment are published in the form of reports, reported at planning meetings, meetings of collegial bodies.

One of the tools for improving the educational process at NJSC "SMU" is the analysis of feedback. Systematic receipt and analysis of feedback on the quality of the educational process from all stakeholders with the identification of weaknesses, planning of improvement measures is carried out by the responsible for the sections, the code is carried out by the QCDME.

**Strengths:**

- 1) Systematic work is carried out to ensure the quality of EP by monitoring them and estimates. The Quality Assurance Strategy of the EP NJSC "SMU" was developed and approved.
- 2) The presence in the university of infrastructure that provides access to the results of the EP assessment to interested parties (website, meetings, newsletters, corporate network, editorial department).

**Conclusions of the EEC on the criteria.** Out of 8 standards conform: fully - 7, significantly - 1, partially -, do not correspond - 0

*Standard 7: completed*

**Recommendations for improvement identified during the external visit:**

- 1) Include students and employers in the CEP for master's and doctoral studies.
- 2) To improve the quality of the programme, conduct a systematic analysis of feedback from employers

**Standard 8: GOVERNANCE AND ADMINISTRATION**

The management of NJSC SMU 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. This ensures the effectiveness of management activities.

The main governing body of the educational programme of undergraduates is the Academic Committee, the supreme governing body of educational and methodological activities of the NJSC "Semey Medical University". The activities of the AC are managed by the Deputy Chairperson of the Board for Academic Affairs, who is also the chairperson of this council.

Official website of the university <https://semeymedicaluniversity.kz/> contains educational-methodical and educational-administrative information necessary for students and other Internet users. This portal is fully integrated with the KEYPS system. To obtain objective information about the activities of the university in various aspects, there are so-called "mailboxes", forums and a blog of the rector on the university website, a schedule for the reception of the rector on personal matters, a university newspaper and other tools for monitoring the management process at the university.

In the process of managing educational programmes in NJSC "SMU", one of the leading places is occupied by the graduating departments, which are involved in the development of the EP of the master's degree in the profile direction.

NJSC SMU provides complete, accurate information available to potential undergraduates about the content of the programme, duration of study, structure, costs, processes and activities, including the assessment system. Future undergraduates can receive information from various information channels ([www.smu@NJSC-SMU.kz](http://www.smu@NJSC-SMU.kz)), reference information, and brochures.

**Strengths:**

NJSC SMU has clear terms of reference and authority to provide the educational programme with resources, including a target budget for training.

1. the responsibility of the academic leadership in relation to the development and management of the educational programme is determined;
2. extensive collaboration with partners in the health sector

**Conclusions of the EEC on the criteria.** Out of 19 standards conform: fully - 18, significantly - 1, partially - 0, do not correspond - 0

**Standard 8: completed**

**Recommendations for improvement identified during the external visit: none**





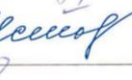








Thus, all accreditation standards have been met, no inconsistencies in the fulfillment of the criteria for each of the basic accreditation standards in the process of analyzing the self-assessment report and carrying out the examination as part of the tasks of the external expert commission programme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

**5. Recommendations for improving the educational programme of the magistracy in the specialty 7M10115 Hygiene of the NJSC SMU:**

1. To improve the educational programme of the magistracy in order to ensure the quality of education, include students and employers in the Committee of educational programme for magistracy (Order of the rector No. 216 dated 04.16.2021).
2. In order to improve the quality of the EP, conduct a systematic analysis of feedback from employers, followed by corrective measures.

## 6. Recommendation to the ECAQA Accreditation Council

The EEC members came to a unanimous opinion to recommend the Accreditation Council to accredit Master's educational programme 7M10115 "Hygiene" of NJSC "Semey Medical University" for a period of 5 years.

<b>Chairperson</b>		KUZGIBEKOVA ALMA BOLATOVNA
<b>Foreign expert</b>		RIPP EVGENY GERMANOVICH
<b>Academic expert</b>		ALMAGUL AMANGELDINOVNA KAUYSHEVA
<b>Academic expert</b>		SHUKIRBEKOVA ALMA BORANBEKOVNA,
<b>Academic expert</b>		ISENOVA SAULE SHAIKENOVNA,
<b>Academic expert</b>		ESENKULOVA SAULE ASKEROVNA,
<b>Academic expert</b>		KUDABAEVA KHATIMIA ILYASOVNA
<b>Academic expert</b>		KENZHEGULOVA RAUSHAN BAZARGALIEVNA
<b>Academic expert</b>		RINAT MUZAFAROV,
<b>Academic expert</b>		SADIEVA ZHANAR ZAMANKHANOVNA
<b>Academic expert</b>		RAKHMANOV ELTAI UTEMURATOVICH, PhD
<b>Academic expert</b>		RAMAZANOVA MANSHUK ANEROVNA
<b>Expert - employers' representative</b>		SARSENBINA LYAZZAT KYRYKBAEVNA
<b>Representative of undergraduates</b>		MAZANBEKOVA MERUERT YERZHANOVNA
<b>ECAQA Observer</b>		UMAROVA MAKPAL ALDIBEKOVNA

**Quality profile and external evaluation criteria (summary)**  
**Master's educational programme 7M10115 Hygiene**

Standard	Criteria for evaluation  Number of standards = BS * / SU	Grade			
		Totally coincides	Significantly corresponds	Partially compliant	Does not match
1	MISSION AND OUTCOMES 5 = 5/0	4	1		
2.	EDUCATIONAL PROCESS 21 = 19/2	17	4		
3.	ASSESSMENT OF STUDENT LEARNING 10 = 10/0				
4.	STUDENTS 12 = 12/0	12			
5	STAFFING 7 = 7/0	7			
6.	EDUCATIONAL RESOURCES, SETTING AND SCHOLARSHIP 4 = 4/0	4			
7.	MONITORING AND EVALUATION OF EDUCATIONAL PROCESS 8 = 8/0	7	1		
8	GOVERNANCE AND ADMINISTRATION 19 = 19/0	18	1		
9.	CONTINUOUS RENEWAL 4 = 4/0	-			
	<b>Total: 90 = 88/2</b>				
		<b>76</b>			

**Attachment 2****Lists of interviews with undergraduates, teachers and employers****Teachers of the Department**

<b>#.</b>	<b>FULL NAME.</b>	<b>Position, department</b>	<b>Academic degree and title</b>	<b>Phone whatsapp</b>
1	Tokesheva Sholpan Manarbekovna	Associate Professor at the Department of Public Health	Candidate of Medical Sciences, Associate Professor	8 705 509 7265
2	Tokanova Sholpan Ergalievna	Associate Professor at the Department of Public Health	Candidate of Medical Sciences, Associate Professor	8 705 238 9861
3	Samarova Umytzhana Sapargalievna	Associate Professor at the Department of Public Health	Candidate of Medical Sciences, Associate Professor	8 777 984 5030
4	Nurtazina Alma Uakhitovna	associate professor of the department epidemiology and biostatistics	Candidate of Medical Sciences, Associate Professor	8708 860 3248
5	Ibraeva Zhanara Beysengalievna	Lecturer at the Department of Epidemiology and Biostatistics	PhD	8 708 745 6017

## List of documents requested by EEC members within the framework of accreditation

N o.	Names of documents	Quantity	Date of approval
1.	Development plan of NJSC SMU for 2020-2024	1	2.12.2020
2.	Educational license	1	06/20/2019
3.	Academic policy of NJSC SMU	1	11/15/2019
4.	Order on the composition of the Committee of educational programmes in the specialty of magistracy and doctoral studies	1	04/16/2021
5.	Memorandum of mutual cooperation	1	28.10.2020 g
6.	Characteristics of practice bases		
7.	Information about teaching staff	1	2016-2021 g
8.	Master's educational programme	3	
9.	Syllabus		
10.	Model joint arrangement agreement		5.12.2018
11.	Extract from the minutes No. 5 of the meeting of the Academic Council of the NJSC SMU	5	2020 - 2021
12.	On the creation of a working group for the implementation of the "Healthy Universities" project in the NJSC SMU. Order 246	1	May 14, 2021
13.	Doctor of Philosophy diploma in specialty 6D 110200 Public health Iskakova A.M.	1	2017 year
14.	Diploma of Doctor of Philosophy in specialty 6D 110200 Public Health Baibusinova A.Zh.	1	09/25/2018
15.	Diploma of the candidate of medical sciences Khismetov Z.A.	1	06/23/2000
16.	Diploma of Doctor of Philosophy in specialty 6D 110200 "Public health care" Ibrayeva ZhB	1	04/19/2019
17.	Diploma of Candidate of Medical Sciences Tokesheva Sh.M	1	12/26/1997
18.	Report on the activities of Scientific Schools for 2020		2020 year
19.	KPI Performance Report		2020 year
20.	Information about the employment of graduates		2020 year
21.	Department regulations	1	11.11.2019
22.	QED	1	05/29/2020
23.	Regulations on the procedure for the development, approval and examination of the EP NJSC SMU	1	03/29/2019
24.	Rules for ongoing monitoring of progress, intermediate and final certification of students in the NJSC SMU	1	28.03.2019 g
25.	Regulations on the magistracy	1	2020 year
26.	Order on the composition of the NJSC "SMU" Appeal Commission for 2020-2021	1	15.10.2020 g
27.	Code of corporate ethics NJSC SMU	1	11/21/2019
28.	Regulations on the master's thesis	1	03/27/2021