

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 EVALUATION OF THE EDUCATIONAL
PROGRAMME 7M10120 - "HYGIENE"
OF NJSC "ASTANA MEDICAL UNIVERSITY"
FOR COMPLIANCE WITH STANDARDS OF ACCREDITATION OF
EDUCATIONAL PROGRAMMES SPECIALTIES OF MASTER'S SCHOOL
IN HEALTH CARE**

period of external expert evaluation: 08/17/2021 - 08/20/2021

NURSULTAN city, 2021

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LIST OF SYMBOLS AND ABBREVIATIONS:

GPA	Weighted average assessment of the level of educational achievements of a student in the chosen specialty
ECTS	European Credit Transfer and Accumulation System
PBL	Problem – based learning
TBL	Team- based training
AC	Academic Council
BD (O)	Basic disciplines (training)
University	Higher educational institution
SAC	State Attestation Commission
SCES	State compulsory education standard
DAD	Department of Academic Development
DSHR	Department of Science and Human Resources
DLT	Distance learning technologies
DEMW	Department of educational and methodical work
ECAQA	Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care
FSA	Final state attestation
IEP	Individual curriculum (undergraduate)
NJSC "AMU"	NJSC "Astana Medical University"
CPC	Component of choice
QED	Catalog of elective disciplines
R&D	Research work
STP	Scientific and technical programme
ESA	Educational and scientific activities
EP	Educational programme
IC	Intermediate certification
MD	Major disciplines (training)
WC	Working curricula
QMS	Quality Management System
IWMS	Independent work of a master student
IWMST	Independent work of a master student under the supervision of a teacher
LLP	Limited Liability Partnership
TC	Typical curricula
EMC	Educational and methodical council
AC	Academic Council

1. Composition of the External Expert Commission

In accordance with ECAQA Order No. 24 of 08/03/2021, an External Expert Commission was formed to conduct accreditation of educational programmes for magistracy NJSC "Astana Medical University" in the period 17-20.08.2021 (17-18.08 - online, 20.08.2021 - offline) in the following composition:



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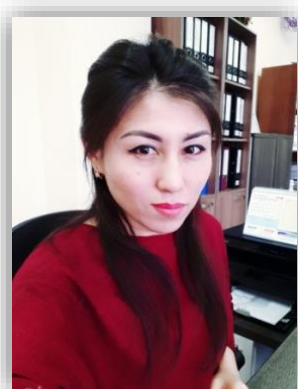
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The work of the EEC was carried out in accordance with the Regulation on the EEC (Order of the

Director general of ECAQA No. 24 dated 03.08.2021).

The EEC report contains an assessment of the master's educational programme by specialty 7M10120 - "Hygiene" NJSC "Astana Medical University" for compliance with Accreditation standards of educational programmes of magistracy specialties in health care in ECAQA, recommendations of the EEC on further improving 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 the NJSC "Astana Medical University" and the educational programme of the master's degree in the specialty 7M10120 - "Hygiene."

History of NJSC "AMU" - was founded in October 1964 as Tselinograd State Medical Institute by the decision of the Central Committee of the CPSU and the Council of Ministers of the Kazakh SSR.

Over the years of the existence of the Medical Institute, there have been multiple changes in its organizational form, reforming the management system in accordance with the requirements of the time.

From 22.02.2019, on the basis of the Decree of the Government of the Republic of Kazakhstan "On the issues of creating a non-profit joint stock company" Medical University Astana "No. 648 dated October 16, 2018, JSC "AMU" was reorganized into a non-profit joint stock company "AMU".

The documents that constitute the organizational and legal basis of the activities and the legal basis for the implementation of the educational programme of the University are presented on the website of the university https://www.AMU.kz/korparup/about_the_university/ ...

The University has a multilevel education system.

6118 students, 1572 interns, 914 residents, 96 undergraduates and 77 doctoral students' study at the faculties of the University, including 961 foreign students.

The university operates a system of international distance learning (MOODLE), which uses the latest advances in this area in its work. <https://dl.AMU.kz/> ...

Since 2012, distance learning has been introduced at the level of additional professional education.

In order to create conditions for continuous improvement of the university's activities and increase the satisfaction of the needs and expectations of its stakeholders, the University has been certified four times for compliance with international standards ISO 9000 versions 2000 and 2008 since 2007, uses management tools: strategic management, SWOT analysis, outsourcing, cleaning, benchmarking, balanced scorecard, project management, HR management, institutional accreditation standards of the university, laboratory accreditation standards ST RK ISO / IEC 17025.

In the Rating of educational programmes of universities / Health care and social security (medicine) / National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken", the University was ranked in:

2018: first place in the specialties "Public Health", "Pharmacy" and "Nursing" in the specialties "General Medicine"; second place - "Dentistry".

2019: first place in the specialties "Pharmacy", "Dentistry"; second place - "Nursing", "General Medicine"; fourth place - "Public health".

2020: - second place in the specialty "Pharmacy"; third place - "Nursing"; fourth place - "Dentistry", fifth place - "General medicine";

Based on the results of the MoH RK rating assessment of the educational activities of medical universities at the end of the 2019-2020 academic year, NJSC "Astana Medical University" topped the overall rating with a value corresponding to the level of 5 stars (high level).

General information about the structural unit implementing the accredited educational programme: Department of Public health care and Hygiene, implementing the educational programme of the magistracy 7M10120 - "Hygiene", which is headed by Ph.D., associate professor Suleimenova Roza Kaldybekovna. Implementation level - specialized master's degree. Development period: 1 year.

Development form: full-time. Qualification of graduates - Master of Health care in the specialty 7M10120 - "Hygiene"

2.2 Information on previous accreditation

Accreditation of an educational master's programme by specialty 7M10120 - "Hygiene" has not been carried out to date.

2.3 Analysis of the self-assessment report of the educational programme of the master's degree in the specialty 7M10120 - "Hygiene"...

Self-assessment report educational programme presented on 109 pages of the main text, attachments and copies or electronic versions of documents on the organization of education, located at the link

https://drive.google.com/drive/folders/1VDoLdh1i05_vIvL1rWt40SJm9IvxuBXt?usp=sharing

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 master's programme in the specialty 7M10120 - "Hygiene". Attached to the report is a cover letter signed by the acting director. Chairperson of the Board-Rector of NJSC "AMU" Dauletyarova M.A., confirming the accuracy of the information and data contained in the report.

The report contains information about the representative of NJSC "AMU" responsible for the self-assessment of educational programmes - NJSC "AMU" - Aizhan Bakhytzhonovna Kulmirzaeva, PhD, Head of the Center for Master's and Doctoral Studies.

Self-assessment of the educational programme 7M10120 - "Hygiene" NJSC "Astana Medical University" was carried out on the basis of the order No. 268-n / κ dated May 25, 2021 7M10120 - - On conducting a self-assessment of the master's degree program in the specialty "hygiene".

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 Standards for accreditation of postgraduate education programmes (specialty magistracy) of medical educational organizations (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 18 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 master's study programme by specialty 7M10120 - "Hygiene" for compliance Accreditation standards of educational programmes of specialties of magistracy 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 Manual, at the same time, following 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.

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 the real practice of NJSC "AMU" for the preparation of undergraduates by specialty 7M10120 - "Hygiene" taking into account the planning of the admission of students in 2021, well-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 in terms of 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 NJSC "AMU" 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.

According to standard 2 - Provide for the active involvement of undergraduates in scientific projects with the subsequent commercialization of the results of scientific research.

Standard 7 - To improve the analysis of the obtained survey data and recommendations of stakeholders, reflecting the specifics of specialties to improve the quality of educational programmes.

Standard 9 - Promote further international cooperation and joint research with the involvement of teaching staff and undergraduates.

3. Description of external expert evaluation

External expert work on the assessment of the educational programme of the master's degree in the specialty 7M10120 - "Hygiene" NJSC "AMU" was organized according to Guidelines for conducting an external assessment of educational organizations and educational programmes of ECAQA (approved by order of the Director general of the NJSC "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care" No. 5 dated February 17, 2017), in accordance with the programme and schedule approved on August 24, 2021 by the Director general of ECAQA Sarsenbayeva S.S. and agreed with the acting. Rector of NJSC "AMU" Dauletyarova M.A.

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

The staff of NJSC "AMU" 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 in meetings, interviews, interviews with members of the EEC

No.	Full name	Department	Telephone	Email
1.	Musina Ayman Ayashevna	Public health care and epidemiology	87017763557	mussina.a@AMU.kz
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6.	Amirseitova Farida Tolebekovna	Public health care and hygiene	87087063151	Amirseitova.f@AMU.kz
7.	Turgambaeva Asiya Kairbaevna	Public health care and management	+77018876273	tak1973@mail.ru
8.	Saurbaeva Gaukhar Kairatovna	Public health care and management	+77015995904	saurbayevag@gmail.com
9.	Musakhanova Akmaral Kalamakhanbetovna	Public health care and management	+77772452200	makmaral1@mail.ru
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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 sequence of the visit within 3 days (17-18.08 - online, 20.08 offline), is presented in detail in the Visit Programme, which is located in the documentation of the accreditation center and in the Attachment to this report.

The first day of the visit is 08/17/2021 (online). An interview with the management and key employees of the AMU 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 of higher education in clinical direction in the strategy of the university (plan), mechanisms in determining clinical bases and qualified teachers, guaranteeing the sufficiency of educational resources through planning public procurements and concluding agreements with country and international partners (more than 100 contracts). Realizing that the accredited bachelor's programme is relatively new, since the first admission is planned in 2021-2022, experts have studied in detail the EP 7M10120 - "Hygiene" was developed in accordance with the structure of the EP of magistracy of the profile direction of the SCES (Order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 "On approval of state compulsory standards and standard professional training programmes in medical and pharmaceutical specialties").

In accordance with the visit programme of the EEC, a meeting was held with the director and the department of academic work, information was received on the organization of educational and methodological work, ensuring control over the compliance of the HEI of the university with the requirements of State standards of higher professional, postgraduate and additional education and educational programmes, regulations of the Ministry of Education and Science of the Republic of Kazakhstan, Ministry of Health of the Republic of Kazakhstan; planning, management, control and improvement of organizational and methodological processes for the use of innovative educational technologies; organizing support for the professional development of a young teacher, coordinating the work of the School of Young Teachers,

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, the work of internal commissions and inspections (QMS, mutual control, control of the vice-rector for academic work, reporting, etc. etc.).

Conversation By the Chairperson of the Quality Assurance Committee of NJSC "AMU", Vice-Rector for Academic Affairs, she allowed experts to learn about approaches to attracting employees of clinical bases for teaching in undergraduate studies, about the strategy and tactics of recruiting students

for different specialties, information security up to graduate education, and also to identify problems management and development of human resources.

Conversation with the head of the center for international cooperation, the faculty member, the heads of the departments of the hygienic profile made it possible to find out the real cooperation and its prospects with national and foreign partners, the peculiarities of integration into educational programmes. The role of international cooperation in the development and strengthening of training programmes was discussed.

Online meeting with the staff of the departments responsible for the admission of undergraduate students made it possible to deepen the understanding of the EEC members of how it is carried out the formation of a state order in the specialty, the admission of bachelors, including those with disabilities, from socially vulnerable people, work with departments, other structural units participating in the organization of the educational process. The experts were familiarized with the materials on the admission of students and the selection of teachers.

Monitoring of graduates' employment, satisfaction with the quality of training of EEC graduates was discussed at a meeting with employees of departments responsible for the employment of bachelor's graduates. 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 interview graduates, however, the experience and authority of the AMU in teaching bachelors shows a high percentage of employment (> 90%) of graduates of other bachelor's degree programmes and their demand for medical organizations of all regions of Kazakhstan.

Interviews with teachers, as providers of the bachelor's programme, showed that there are good educational resources (a sufficient number of thematic patients, time for maintaining medical records, independent work of students) on the basis of clinical departments. The experts received answers about the teacher training programme, the financing of this training, the availability of certification in teaching methods for teachers.

The second day of the visit 08/18/2021 began with an interview with members of the academic council, committee of educational programmes by levels of education (bachelor's, master's):

N o.	FULL NAME.	Position
1	Dauletyarova Marzhan Amangaliievna	Chairperson of the Quality Assurance Committee of NJSC "AMU", Vice-Rector for Academic Affairs
2	Marina Morenko, MD, DSc, Professor	Chairperson of the Commission for Academic and Scientific Work of the Senate, Head of the Department of Pediatric Diseases with courses in allergology, hematology and endocrinology
3	Muldakhmetov Miram Seitzhanovich, MD, professor	Chairperson of the Quality Assurance Committee of the Faculty of Medicine, Head of the Department of Pediatric Diseases with courses in Pulmonology and Nephrology
4	Tarjibaeva Saule Kenesbekovna, Candidate of Medical Sciences, Associate Professor	Chairperson of the Quality Assurance Committee of the Faculty of Public Health, Associate Professor of the Department of Preventive Medicine and Nutritionology

The content of the meeting was planning, development, approval and evaluation of educational programmes, quality monitoring, representation of students in the approval and evaluation of programmes, analysis and quality of feedback study results.

The issues of planning the financing of the educational process (the proportion of expenditures on educational resources of the master's programme), interaction with the academic sector and

departments, staffing, teacher development was discussed at a meeting with representatives of the organizational and economic work sector, personnel department

Interviews with employers and health care practitioners 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 NJSC AMU, satisfaction with the basic knowledge and skills of students, teaching methods, assessment of knowledge and skills of students in the learning process, providing the department and students 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 graduates, etc. The employers' interest in the employment of university graduates was revealed.

EEC had the opportunity to assess educational resources when visiting departments involved in the implementation of educational programmes: fisa registrar; center for the transfer of educational and distance technologies; center "electronic university".

The third day of the visit 08/20/2021 EEC worked offline. The assessment of educational resources was continued when visiting the departments involved in the implementation of educational programmes: Chebno Clinical Center and Publication and Library Service Support Center

EEC visited the SPE on REM "Multidisciplinary City Children's Hospital No. 1", SPE on REM "Multidisciplinary City Children's Hospital No. 2", SPE on REM "Multidisciplinary City Hospital No. 3" Alanda Clinic, Institute of Radiobiology and Radiation Protection. At clinical sites, experts surveyed the resources of the accredited educational programme, their compliance with bachelor's degree courses, accessibility for teachers and students, compliance with the needs of students, the university, and accreditation standards. It was found that the base of the hygienic profile corresponds to the goals and objectives of the accredited educational programme in terms of the profile of beds, the number of thematic patients, modern equipment and its availability to all students, and the staff of the department ensure collegial and ethical relations with the medical staff, the leadership of the clinical base to achieve the final results of the educational programme ... Clinical sites have a sufficient number of training rooms equipped with multimedia. At clinical bases, students are allowed to supervise patients, maintain medical records in electronic form, work in various departments of medical and prophylactic organizations, participate in morning medical conferences, on rounds, consultations, clinical analyzes. Analysis of case patients, work in small groups, presentation of a clinical case for analysis, participation in scientific and practical conferences and seminars is available in organizations of practical health care for students. Before the start of the corresponding discipline of the educational programme, the students receive a syllabus from the teacher and know what skills he must acquire and develop during training. 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. maintenance of medical records in electronic form, work in various departments of medical and preventive organizations, participate in morning medical conferences, on rounds, consultations, clinical analyzes. Analysis of case patients, work in small groups, presentation of a clinical case for analysis, participation in scientific and practical conferences and seminars is available in practical health care organizations for students. Before the start of the corresponding discipline of the educational programme, the students receive a syllabus from the teacher and know what skills he must acquire and develop during training. 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. maintenance of medical records in electronic form, work in various departments of medical and preventive organizations, participate in morning medical conferences, on rounds, consultations, clinical analyzes. Analysis of case patients, work in small groups, presentation of a clinical case for analysis, participation in scientific and practical conferences and seminars is available in practical health care organizations for students. Before the start of the corresponding discipline of the educational programme, the students receive a syllabus from the teacher and know what skills he must acquire and develop during training. 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. work in various

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Due to the lack of recruitment for the specialty "Hygiene" interviewing and questioning of students were not carried out.

In accordance with the NJSC AMU Visiting Programme, EEC members could hold meetings on the basis of the external evaluation on a daily basis. At the final stage of the EEC's work, a discussion of the results of the external assessment, study of documents, results of interviews, interviews, questionnaires were held. The members of the EEC started to design the final report of the EEC. 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 Bachelor's Degree Programme in Medical Education Organizations of 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.

By the chairperson of the EEC prof. Kuzgibekova A.B. a final open vote on recommendations for the NJSC AMU and a final vote on recommendations for the ECAQA Accreditation Council were held. Then the chairperson of the EEC for the management and employees of the educational organization announced recommendations on the results of an external assessment within the framework of accreditation for educational programmes of the NJSC AMU.

Results of the survey.

An observer from ECAQA in August 16-17, 2021 conducted an online survey of AMU teachers on the resource [https://webanketa.com/...](https://webanketa.com/) In total, 141 AMU teachers were questioned, and 73.05% had more than 10 years of experience.

58.57% of the teaching staff are satisfied with the organization of the educational process, 31.21% partially agree. According to 71.63% of respondents at the university, ethics and subordination are observed in relations between colleagues, teachers, management, 21.99% partially agree with this statement. The organization of labor and workplace in this educational organization satisfies 62.41%, in part - 29.79%. 70.21% of the teaching staff agree that there is an opportunity for career growth and development of teacher's competencies at the university, 21.28% partially agree. 66.67% agree with the possibility of engaging in scientific work and publishing research results, 21.28% agree partially. 26.24% agree with the statement "I am satisfied with the salary," 22.7% partially agree. The work of the HR (personnel) service was fully satisfied by 56.74%, partially by 27.66%. During the last year 82, 27% of the teaching staff improved their professional competence. 46.81% of respondents are satisfied with the necessary material resources and infrastructure, 40.43% are partially satisfied. 70.21% have the opportunity to realize themselves in a university as a professional in their specialty, 19.86% partially agree. 63.83% of the teaching staff took part in the development of the educational programme in the discipline. The organization of education supports the participation of teaching staff in conferences (international, republican) in 20.57%; 25.53% of the teaching staff do not consult the management about this; 37.59% were unable to answer this question. 51.77% of respondents believe that students have free access to patients at the clinical bases of the university 21% have the opportunity to realize themselves in a university as a professional in their specialty, 19.86% partially agree. 63.83% of the teaching staff took part in the development of the educational programme in the discipline. The organization of education supports the participation of teaching staff in conferences (international, republican) in 20.57%; 25.53% of the teaching staff do not consult the management about this; 37.59% were unable to answer this question. 51.77% of respondents believe that students have free access to patients at the clinical bases of the university 21% have the opportunity to realize themselves in a university as a professional in their specialty, 19.86% partially agree. 63.83% of the teaching staff took part in the development of the educational programme in the discipline. The organization of education supports the participation of teaching staff in conferences (international, republican) in 20.57%; 25.53% of the teaching staff do not consult the management about this; 37.59% were unable to answer this question. 51.77% of respondents believe that students have free access to patients at the clinical bases of the university and to improve their practical skills. 43.26% of the teaching staff are familiar with the programme of social support for teachers, 36.88% are not informed about them. 51.06% of respondents believe that the heads of the university listen to the teaching staff in relation to questions about the educational process, research, clinical work, 21.99% - could not answer this question. For approval "Have you been personally involved in activities to prepare for the accreditation of educational programmes?" 29.08% answered positively, 9.93% were engaged in technical support, 16.31% formed sections of the self-assessment report, 18.44% collected information for appendices to the self-assessment report.

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 obtained 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 NJSC "AMU" 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 NJSC "AMU" and supporting documents for compliance with the ECAQA Accreditation Standards.

Despite the fact that in the self-assessment report of the educational programme, NJSC "AMU" described its best practice on adherence to accreditation standards, during the external expert

evaluation, the EEC members studied the main documents (mission, strategic plan until 2025, teaching materials of disciplines, syllabi, control and measuring instruments, checklists, diaries and practice reports, individual plans of undergraduates for the 2020-2021 academic year, publications of teachers, rules for admission to magistracy, personnel policy, internal quality assurance system programme, resources for training), which made it possible to identify the compliance of activities educational organization basic accreditation standards.

The experts took into account the fact that the accredited educational programme will begin to be implemented in 2021, 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 (EMC, meetings of departments), the assessment of educational programmes (EMC), decision-making on a number of key issues in the choice of practice bases, topics of electives, the development of the content of individual work plans of undergraduates ...

Recommendations for improving activities in the implementation of the Master's degree programme in the specialty "Hygiene" for compliance with the Accreditation Standards, developed by the EEC based on the results of the expert evaluation, were presented at a meeting with the management on 08/20/2021. The programme 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 NJSC "AMU", 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 educational programme in full in accordance with the Regulation on the External Expert Commission, the Guidelines for external assessment of the ECAQA medical education organization. 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 NJSC "AMU", departments, employees, 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 a master's degree programme in a specialty 7M10103 "Hygiene" profile direction of NJSC "AMU" and an overview of the strengths for each standard.

Standard 1: MISSION AND END OUTCOMES

An external expert committee has received confirmation that the mission of NJSC "AMU" 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 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.

Strengths:

1. The mission, goal and end results of the educational programme are formulated in an accessible form
2. High potential faculty participation of stakeholders in the development of mission, goals and objectives;

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

Recommendations for improvement identified during the external visit: No

Standard 2: EDUCATIONAL PROGRAMME

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.

The educational programme is provided with the following auxiliary "tools": WC, academic calendar, individual curriculum and individual work plan of the master's student. IEP and academic calendars, which are developed by the Department of Postgraduate Education for the academic year.

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 lectures (PBL); incl. analysis of specific situations (case studies); team-oriented learning (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 7M10120 "Hygiene" profile direction is planned to be implemented in accordance with the mission, goals and expected learning outcomes and reflects the SES, the needs and expectations of society.

Strengths:

Developed, discussed and approved the educational programme of the magistracy of the specialty 7M10120 "Hygiene" profile direction at all stages and levels of the University with the involvement of the leading teaching staff of the departments that are part of the Faculty Councils, CEP, Senate, as well as representatives of undergraduates and employers.

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

Standard 2: completed

Recommendations for improvement identified during the external visit:

1) Provide for the active involvement of undergraduates in research projects with the subsequent commercialization of research results.

Standard 3: ASSESSMENT OF STUDENTS

The system of monitoring the academic achievements of undergraduates in NJSC "AMU" will include: current and midterm monitoring of progress, intermediate certification and final state certification.

The assessment of the educational 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

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

NJSC "AMU" 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, posted on the website and made publicly available.

The selection and admission policy is fully consistent with the current legislation, the Charter and the Academic policy of NJSC "AMU".

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.

NJSC "AMU" 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 academic performance of students, the teachers of the department write a report to the supervising vice-rector for ESA in cases of systematic absenteeism and or poor progress.

Strengths:

1. At the university for students there are opportunities:
 - participate in international conferences at the expense of budgetary funding;
 - expansion of the academic mobility programme (online, offline) at the expense of budgetary funding.

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

Standard 4: completed

Recommendations for improvement identified during the external visit: no.

Standard 5: ACADEMIC STAFF / FACULTY

NJSC "AMU" 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.

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 faculty 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 "Public health care and hygiene" 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%.

Strengths:

1. Highly qualified and authoritative teaching staff implementing educational programmes.
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 - 7, significantly - 0, partially - 0, do not correspond - 0.

Standard 5: completed

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

Standard 6: EDUCATIONAL RESOURCES

NJSC "AMU" 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 university provides free access to students, teaching staff and staff to the Internet and Wi-Fi throughout the university, clinical bases. Information and communication technologies implement distance learning. Digitalization of educational and other processes is active. Students use electronic textbooks, multimedia presentations, electronic video lectures, training programmes, testing programmes, programmes for the formation of an individual learning path and schedule. The university has provided access to high quality information resources: EMBASE, JAYPEEDIGITAL, SCOPUS, ELSEVIER, EPIGRAPH, SPRINGER, access to e-books and reference materials, access to e-journals: MED info, MEDLINE, MedMir.com, the journal "Clinical Medicine of Kazakhstan", etc. The Antiplagiat programme has been introduced. The university has concluded agreements, memorandums of international cooperation and academic mobility. Information about international cooperation is posted on the university website.

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. Availability of modern information resources;
2. Large laboratory base of the University;
3. Timely verification and repair of medical equipment used for scientific activities;
4. Accreditation of the testing laboratory of the Institute for Radiobiological Research, which is a structural subdivision of the University.

Conclusions of the EEC on the criteria. Conforms out of 4 standards: fully - 4, significantly - 0, partially - 0, do not comply - 0

Standard 6: completed

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

Standard 7: PROGRAMME EVALUATION

NJSC "AMU" 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" is a profile direction, strictly correspond to educational standards, changes can 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.

As part of the development of educational programmes, NJSC "AMU" has established mechanisms for the periodic review, study and evaluation of the implemented educational programmes, which ensures the quality of the programme management process. Educational programmes are regularly studied and evaluated by obtaining feedback from students, teaching staff and stakeholders, including employers, as well as analyzing the educational achievements of students.

Conclusions of the EEC on the criteria. Conforms out of 8 standards: fully - 5, significantly - 3, partially - 0, do not comply - 0

Standard 7: completed

Recommendations for improvement identified during the external visit:

1) To improve the analysis of the obtained survey data and recommendations of stakeholders, reflecting the specifics of specialties to improve the quality of educational programmes.

Standard 8: GOVERNANCE AND ADMINISTRATION

The management of NJSC "AMU" has a sufficient level of managerial competence, assumes 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.

The results of academic activities, the effectiveness of modern forms of management of the educational process, the prospects for further improving management and improving the quality of education are considered and discussed in the final reports of the rector, vice-rectors and heads of key structural units at the annual traditional scientific-practical and educational-methodological conferences. To analyze the results and develop measures for improvement, internal commissions are formed (commission for competitive nominations, for holiday incentives, awards, expert commissions for competitions of scientific and technical progress of teaching staff and young scientists, etc.). The results of the commissions' work are heard at a meeting of the Senate and are the basis for measuring and improving the efficiency of the university as a whole.

The volume of funding over the past 5 years has a steady upward trend.

The procedure for organizing the system of remuneration, bonuses and social security for employees of NJSC "AMU" is determined by the Regulations on remuneration, bonuses and social security for employees of NJSC "Astana Medical University"

The basis for the transparency of the management and its decisions is corporate governance. Meetings of the Academic Council and other meetings are broadcast via the social network Facebook.

Strengths:

1. Implementation of the EP in accordance with the developed with the agreement of all stakeholders.

2. The introduction of distance technologies in the educational process at all levels (a forced measure against the background of the epidemiological situation).

Conclusions of the EEC on the criteria. Conforms out of 19 standards: fully - 19, significantly - 0, partially - 0, do not comply - 0

Standard 8: completed

Recommendations for improvement identified during the external visit: No

Standard 9: CONTINUOUS RENEWAL

NJSC "AMU" 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 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

Recommendations for improvement identified during the external visit:

1) Promote further international cooperation and joint research with the involvement of teaching staff and undergraduates.

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 7M10120 - "Hygiene" NJSC "Astana Medical University":

1. Provide for the active participation of undergraduates in research projects with the subsequent commercialization of research results.

2. To improve the analysis of the obtained survey data and recommendations of stakeholders, reflecting the specifics of specialties to improve the quality of educational programmes.

3. Promote further international cooperation and joint research with the involvement of teaching staff and undergraduates.

6. Recommendation to the ECAQA Accreditation Council

The members of the EEC came to a unanimous opinion to recommend to the Accreditation Council to accredit the educational programme of the master's degree in the specialty 7M10120 - "Hygiene" profile direction for a period of 5 years.

Chairperson

Kuzgibekova Alma Bolatovna



Foreign expert

Rakhimov Bahodir Bakhtiyor ugli



Academic expert

Zhanturiev Bolat Meirbekovich



Academic expert

Orakbay Lyazat Zhadigerkyzy



Representative of employers

Kozhekenov Dinat Yerikovich



Resident Representative

Aumoldaeva Zaure Maratovna



ECAQA Observer

Umarova Makpal Aldibekovna



**Quality profile and external evaluation criteria (summary) of
educational programme in the specialty of magistracy 7M10120 "Hygiene" profile direction**

Standard	Criteria for evaluation Number of standards = BS * / SU	Grade			
		Totally coincides	Significantly corresponds	Partially compliant	Does not match
1.	MISSION AND END OUTCOMES	5	0	0	0
2.	EDUCATIONAL PROGRAMME	17	4	0	0
3.	ASSESSMENT OF STUDENTS	10	0	0	0
4.	STUDENTS	12	0	0	0
5.	ACADEMIC STAFF / FACULTY	7	0	0	0
6.	EDUCATIONAL RESOURCES	4	0	0	0
7.	PROGRAMME EVALUATION	5	3	0	0
8.	GOVERNANCE AND ADMINISTRATION	19	0	0	0
9.	CONTINUOUS RENEWAL	3	1	0	0
	Total: 90: 82/8	82	8	0	0
		90			

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

1	Inside the university document on the transition to DLT	Order No. 360-n / k of 08/19/2020 on the organization of the educational process in the 2020-2021 academic year. 1. Order 360 nk of 08/19/2020 on org. educational process in 2020-21 academic year.pdf																												
2	Regulations on the design of dissertations and projects	The working instruction "Requirements for the content, design and defense of a master's thesis and project" was approved by the decision of the Board of NJSC "AMU" 2. Regulations on the design of dissertations and projects																												
3	15% of students participate in research, the effectiveness of their participation. What departments do these students study in?	The effectiveness of students in research 5. The effectiveness of students in research																												
4	Ranking on the scientific process of the teaching staff for the last 2 years	teaching staff rating 6. teaching staff rating																												
5	The position where the recommendations of employers in the development of the implementation of the EP are regulated	7. Review, University Standards: Feedback monitoring, Development of educational programmes																												
6	Regulations on the multisystem of the university (what number of teaching staff released video lectures)	<table border="1"> <thead> <tr> <th>No.</th> <th>Development types</th> <th>Quantity</th> <th>Materials and Pla</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Electronic textbook</td> <td>15</td> <td>https://AMU.n</td> </tr> <tr> <td>2</td> <td>Thematic video lectures</td> <td>589</td> <td>https://dl.AMU</td> </tr> <tr> <td>3</td> <td>Practical skills training video</td> <td>617</td> <td>https://dl.AMU</td> </tr> <tr> <td>4</td> <td>Laboratory training video</td> <td>12</td> <td>https://dl.AMU</td> </tr> <tr> <td>5</td> <td>Audio lectures</td> <td>84</td> <td>https://dl.AMU</td> </tr> <tr> <td>6</td> <td>Interactive presentations</td> <td>3814</td> <td>https://dl.AMU</td> </tr> </tbody> </table>	No.	Development types	Quantity	Materials and Pla	1	Electronic textbook	15	https://AMU.n	2	Thematic video lectures	589	https://dl.AMU	3	Practical skills training video	617	https://dl.AMU	4	Laboratory training video	12	https://dl.AMU	5	Audio lectures	84	https://dl.AMU	6	Interactive presentations	3814	https://dl.AMU
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Working instructions for the development and organization of massive open online courses (MOOCs) in NJSC AMU " https://www.AMU.kz/info/employee/ri_AMU/%D0%A0%D0%98-%D0%9C%D0%A3%D0%90-01-21%20%D0%A0%D0%B0%D0%B7%D1%80%D0%B0%D0%B1%D0%BE%D1%82%D0%BA%D0%B0%20%D0%B8%20%D0%BE%D1%80%D0%B3%D0%B0%D0%BD%D0%B8%D0%B7%D0%B0%D1%86%D0%B8%D1%8F%20%D0%BC%D0%B0%D1%81%D1%81%D0%BE%D0%B2%D1%8B%D1%85%20%D0%BE%D1%82%D0%BA%D1%80%D1%8B%D1%82%D1%8B%D1%85%20%D0%BE%D0%BD%D0%BB%D0%B0%D0%B9%D0%BD%20%D0%BA%D1%83%D1%80%D1%81%D0%BE%D0%B2%20(%D0%9C%D0%9E%D0%9E%D0%9A)%20%D0%B2%20%D0%																														

		9D% D0% 90% D0% 9E% 20% D0% 9C% D0% A3% D0% 90.pdf Working instructions for the teaching staff on working in the distance learning system (RI-AMU-13-21) https://www.AMU.kz/info/employee/ri_AMU/%D0%A0%D0%98%20%D0%B4%D0%BB%D1%8F%20%D0%9F%D0%9F%D0%A1%20%D0%BF%D0%BE%20%D0%94%D0%9E%D0%A2.pdf Developed working instructions for students (RI-AMU-12-21) https://www.AMU.kz/info/employee/ri_AMU/%D0%A0%D0%98%20%D0%B4%D0%BB%D1%8F%20%D0%BE%D0%B1%D1%83%D1%87%D0%B0%D1%8E%D1%89%D0%B8%D1%85%D1%81%D1%8F%20%D0%BF%D0%BE%20%D0%94%D0%9E%D0%A2.pdf
7	Conclusion of the CEP on the comparative effectiveness of teaching methods, possible Report with analysis	CEP Conclusions 9. Conclusions of the CEP
8	Representation of students over the past 2 years in advisory bodies	Participation of students in collegial bodies 10. Participation of students in collegial bodies
9	Research funding for the last 3 years	Science income 11. Funding for scientific research in the last 3 years
10	List of undergraduates and students who participate in grant research	Projects with the participation of students of the AMU 2020 12. Projects with the participation of students of the s 2020.docx
11	Confirming by publications of bachelors (30-40%)	Bachelor publications 13. Confirming by publications of bachelors
12	Instructions for TB laboratory of the university	Safety briefing log 14. TB journal of sanitary and hygienic laboratories.pdf
13	Mechanism for informing students	Public awareness 2021 15. Public awareness 2021.docx
14	Employment of undergraduates (Observation reports for the last 3 years, the results of the study of feedback on employment).	Distribution PROTOCOL 2019-2021 Feedback from students 16. Employment in 3 years
15	Employment of bachelors (Observation reports for the last 3 years, results of the study of feedback on employment).	Employment of graduates (Reports for the last 3 years) 17. employment of bachelors in 3 years.pdf
16	Feedback on the evaluation of educational programmes (report)	Feedback from students 18. Feedback
17	Regulations on the practice of undergraduates	Regulations on the organization of pedagogical, research and production practices 19. Regulations on the organization of pedagogical, research and production practice.pdf

18	Regulation on advisers /. Curator	Regulations on training in magistracy. Regulation on the activities of the adviser 20. Regulations on adviser + Training in magician
19	Syllabus for any discipline	Syllables 21. Syllabuses
20	EP for accredited programmes	Educational programmes for accredited programmes 23. RUPs on Hygiene and Epidemiology
21	WCs on Hygiene and Epidemiology	RUPs on Hygiene and Epidemiology 23. RUPs on Hygiene and Epidemiology
22	IEPs of undergraduates	IEPs of undergraduates 24. IEPI of the undergraduate.pdf
23	Topics from the DSHR	Topics from the DSHR 25. Topics from the DSHR
24	How is the choice of ED and document (QEDs) carried out	The procedure for choosing an ED is spelled out in the regulation on the catalog of elective disciplines (paragraph 14 of the Academic Policy, page 25). QED OM 2021-2022. 26. QED
25	Attachments 1 and 10 to Qualif. requirements No. 391	Appendices 1 and 10 to Qualitative Requirements No. 391 28. Appendices 1 and 10 to Qualification requirements No. 391