



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

# REPORT

on the results of the work of the external expert commission  
for the evaluation of compliance with the standards of specialized  
accreditation of the educational program

6B08201, 7M08201, 8D08201 – Technology of Livestock Production

Kazakh National Agrarian Research University

**INDEPENDENT ACCREDITATION AND RATING AGENCY**  
*External expert commission*

*Addressed to*  
**IAAR**  
*Accreditation Council*



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**Kazakh National Agrarian Research University**

**Almaty**

**"04" March 2022**

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(I) LIST OF SYMBOLS AND ABBREVIATIONS

MES RK	Ministry of Education and Science of the Republic of Kazakhstan
MA RK	Ministry of Agriculture of the Republic of Kazakhstan
NAS RK	National Academy of Sciences of the Republic of Kazakhstan
NPJSC	Non-profit joint stock company
KazNARU	Kazakh National Agrarian Research University
LD	legal documents
EP	educational program
GED	general education disciplines
BD	basic disciplines of EP
MD	major disciplines
ORDS	office of registration and documents of students
SSP	standard study plan
WC	working curriculum
RW	research work
QMS	Quality Management System
TS	teaching staff
EMCD	educational and methodological complex of the discipline
EMCS	educational and methodical complex of the specialty
IWST	independent work of the student with the teacher
UNT	unified national testing
CT	comprehensive testing
IWDS	independent work of a doctoral student
DRW	doctoral research work
CC	certifying commission
RL	research laboratory
RI	Research Institute
CED	catalog of elective disciplines
MSIWP	Master student's individual work plan
IWPDS	individual work plan of a doctoral student
HR	human resources

## (II) INTRODUCTION

In accordance with the Order of the General Director of the Independent Agency for Accreditation and Rating № 13-22-OD of 14.01.2022 in the Kazakh National Agrarian Research University by an external expert commission was conducted a quality assessment of educational programs 6B08201, 7M08201, 8D08201 – Technology of Livestock Production to meet the standards of specialized accreditation IAAR.

The external audit was conducted in accordance with the external audit program, there were a meeting with the university management, with the heads of departments, interviews with deans and heads of departments, with representatives of practice bases, with teachers and students, with employers and graduates of the university. This allowed to get information on the general activities of the university, its achievements and development prospects. All necessary materials for the work (visit program, report on self-assessment of educational programs of the university, Guidelines on the organization and conduct of external evaluation for the procedure of specialized accreditation, templates of external audit reports, recommendations for experts, etc.) were provided to the members of the expert group before the visit to the educational organization, which provided an opportunity to prepare for the external evaluation procedure in time.

The report of the External Expert Commission (EEC) contains the evaluation of educational programs to the IAAR standards criteria, recommendations of the EEC on improving the quality of educational programs and the conclusion of the external expert commission according to the criteria of the specialized accreditation standards.

### **Members of EEC**

Chairman of EEC – Vorob'eva Svetlana Leonidovna, Doctor of Agricultural Sciences, Professor, Vice-Rector for Educational and Educational Activities of the Izhevsk State Agricultural Academy, expert of the Federal Accreditation Agency (Izhevsk, Russian Federation);

Foreign expert IAAR - Starchuk Nikolaj Vasil'evich, Doctor of veterinary Sciences, Professor, State Agrarian University of Moldova (SAUM);

Foreign expert IAAR – Vasilenko Zoya Vasil'evna, Doctor of technical Sciences, Professor, Corresponding Member of the National Academy of Sciences of Belarus, Honored Scientist of the Republic of Belarus, Belarusian State University of Food and Chemical Technologies (Minsk, Belarus);

Foreign expert IAAR – Suhanova Svetlana Fail'evna, Doctor of Agricultural Sciences, Professor, Vice-Rector for Research Kurgan State Agricultural Academy named after T.S. Maltsev (Kurgan, Russian Federation);

Expert IAAR – Nurgazezova Alma Nurgazezovna, Candidate of technical Sciences, associated professor, Shakarim University (Semej);

Expert IAAR – Kurmangalieva Dina Bakytkozhaevna, Doctor of technical Sciences, S.Seifullin Kazakh Agrotechnical University (Nur-Sultan);

Expert IAAR – Bauzhanova Lyajlya Maulyutkanovna, Candidate of veterinary Sciences, associated professor, Toraighyrov University (Pavlodar);

Employer – Alimbaev Said Tolegenovich, Deputy Director of the Department of Trade and Small Business Development of NCE RK "Atameken" (Nur-Sultan);

Employer – ZHantleuov Daniyar Amangel'dinovich, Candidate of Agricultural Sciences, employee of North-Kazakhstan Research Institute of Livestock and Crop production (Petrovsk);

Student – Uahit Rabiga, Докторант, member of the Alliance of Students of Kazakhstan, S.Seifullin Kazakh Agrotechnical University (Nur-Sultan);

Student – Abdykarimov Bauyrzhan Bejsenbaevich, member of the Alliance of Students of Kazakhstan, Al-Farabi Kazakh National University (Almaty);

Student – Arstanbekova Dina ZHanbolatovna, member of the Alliance of Students of Kazakhstan, Kazakh University of Technology and Business (Nur-Sultan);

Student – Ahmetova Asylzhan, member of the student trade union «Senim», L.N. Gumilyov Eurasian National University (Nur-Sultan);  
 IAAR Coordinator – Gulfiya Nazyrova, Candidate of Economy, Project Manager for Review Panel Members IAAR (Nur-Sultan).

### (III) DESCRIPTION OF THE EDUCATIONAL ORGANIZATION

Kazakh National Agrarian Research University was established in 1996 on the basis of two institutes: the Almaty Zooveterinary Institute, which was founded in 1929 and the Kazakh Agricultural Institute (1930).

In 2001 by the Decree of the President of the Republic of Kazakhstan N.A. Nazarbayev the University was granted the status of National University.

In 2010 the University began the transformation into the National Research University, and was awarded the status in 2020.

NPJSC KazNARU has a state license number №KZ89LAA00031870 from August 05, 2021 to conduct educational activities in the field of higher and postgraduate vocational education. KazNARU underwent the procedure of institutional accreditation at the ULE of Kazakhstan Association of Engineering Education KAZSEE. Accreditation certificate №1920 KE 0025 (12.06.2019 - 12.06.2024).

Today the University is: the Republican Educational-Methodological Council of the UMO-GUP; Coordinator for the development of academic mobility (implemented through the Global Consortium, as well as projects and programs Tempus, Erasmus Mundus, Bolashak, DAAD, FET and others); Member of the Global Consortium, uniting more than 300 agricultural universities of the world; Member of 8 international consortia.

In 2020, KazNARU opened an Institute to work with Wageningen University, where training in two educational programs WUR "Plant Science and Technology", "Veterinary and Food Safety and Technology", in 2021 accredited by the international agency ACQUIN at the University of Applied Sciences Weinstein (Germany). A double diploma master's program "Water resources management using IT technologies" is implemented with the Warsaw University of Natural Sciences (Poland), two programs "Land reclamation, reclamation and protection" and "Water resources" are also developed with the Brest State Technical University and the University of Vytautas the Great (Lithuania).

The university annually organizes international summer and winter schools, the participants of which are scientists from European partner universities, undergraduates from foreign and Kazakhstani universities <http://www.kaznaru.edu.kz/>. The University moved up by 150 positions in QS Global Ranking for the last 3 years and in 2021 it was 551st place. Totally more than 1600 higher educational institutions from 93 countries took part in the QS rating this year. In the ranking QS Developing Europe and Central Asia the university took 83rd place out of 400 participating higher educational institutions. The university is in top ten of the International rating "IAAR Eurasian University Ranking (IAAR EUR) - 2021" and was awarded the nomination "IAAR EUR Agricultural University Award". In top 50 best scientists of Kazakhstan the national IAAR rating includes 7 researchers of the university. According to data of international information-analytical platform Web of Science for the second time in a row the university became the holder of independent award "Leader by quantity of publications in Q1 and Q2 quartiles of Web of Science Core Collection for the last 3 years among agrarian universities of CIS". The university occupies leading positions in national institutional and program university rankings of IQAA, IAAR, RRA. In the last academic year, the university was ranked 4th in the Antiplagiat-killer rating.

KazNARU has the Agrotechnological HUB, Kazakhstan-Japan Innovation Center, Scientific and Educational Innovation Center, Kazakhstan-Korean Innovation Center, Water Innovation Center (Water hub), Kazakhstan-Belarus Innovation Center, Gardening and Vegetables Research Center, Kazakhstan-Netherlands Intensive Garden Center, International Innovation Center of

Vaccinology, Educational and Experimental Farm "AgroUniversity", Innovative Greenhouse, N. Nazarbayev, Center for Education and Science, Situation Center, Sanaly Urpak Club.

The University implements educational programs for 45 Bachelor's degree programs, 2 - special higher education, 129 - Master's degree programs and 35 - Doctoral PhD programs. At 5 faculties, 1 Higher School of Business and Law and 1 Institute of SGD and B named after O. Suleimenov, 31 departments and 1 military department study more than 7 thousand people, including about 600. master and PhD students, which is 8%. The share of students on state educational grants is 71%.

Training is conducted by 727 teachers, including 10 academicians of National Academy of Sciences, 64 doctors and 200 candidates of sciences, 58 PhD doctors. The proportion of teachers with scientific degrees and titles from the number of full-time faculty is 52%.

The contingent of students at the University as of 01.03.2022 is a total of 7024 people, including: on the basis of state educational grant - 4502. Students of distance learning - 766, undergraduates - 447, including 363 on the state order; doctoral students - 129, including 128 on the state order.

#### (IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCESS

During the period from November 08 to 10, 2016 at the Kazakh National Agrarian University an external expert commission assessed the compliance of the educational program 6B08201, 7M08201, 8D08201 – Technology of Livestock Production with the standards of specialized accreditation of the IAAR. On December 2, 2016 by the decision of the Accreditation Council the educational program was accredited for 5 years.

#### (V) DESCRIPTION OF THE EXTERNAL EXPERT COMMISSION VIZIT

The visit of the External Expert Commission to the Kazakh National Agrarian Research University was organized in accordance with the program agreed in advance with the Chairman of the EEC and approved by the Rector of the University in the period from March 02 to March 4, 2022.

Meetings of the EEC with the target groups were held in accordance with the specified program of the visit, in compliance with the established time interval. On the part of the staff of Kazakh National Agrarian Research University, the presence of all persons specified in the program of the visit was ensured.

During visit, except work with target groups, conversations with pro-rectors of university on directions of activity, heads of structural divisions, deans of faculties, heads of departments, teachers, students, graduates and employers were held. In total 157 representatives participated in the meetings (Table 1).

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

<b>Category of participants</b>	<b>Number</b>
Chairman of the Board - Rector	1
Deputy Chairman of the Board - Provost	1
Deputy Chairman of the Board - Rector	1
Vice-rector	4
Head of structural divisions	33
Dean	2
Head of Department	7
Teachers	33
Students	40
Graduates	20
Employers and representatives from practice bases	15

TOTAL:	157
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Visual inspection was conducted in order to get an overview of the organization of educational, scientific and methodological processes, material and technical base, to determine its compliance with standards, as well as to contact with students and staff at their workplaces. During the tour, members of EEC got acquainted with the state of the material and technical base of the Department of "Technology and Safety of Food", visited innovative centers: "Kazakhstan-Japanese", "Agrotechnological HUB", practice bases, as well as laboratories of the departments, implementing the educational program.

The meeting with T.I. Yespolov, Chairman of the Board-Rector, gave the opportunity to the teams of experts to know the strategy of the development of the university and the prospects of the educational programmes of the university.

During the accreditation period the classes were attended:

- March 3, 10<sup>20</sup>-11<sup>10</sup>, the discipline "Microbiology", practical training, Lecturer Altenov A..
- March 3, 08<sup>00</sup>-10<sup>00</sup>, discipline "Azyk-tulik onimderinin adulteration", practical training, doctoral student Myrzhlykbaeva A.
- March 3, 08<sup>00</sup>-10<sup>00</sup>, discipline "Food microbiology", lecture, Professor Kuzembekova G.
- March 3, 08<sup>00</sup>-10<sup>00</sup>, discipline "Azyk-toolik onimderin sensorilyk taldauy", practical training, assistant Valieva G.
- March 3, 10<sup>20</sup>-11<sup>10</sup>, the discipline "Macaroni indirisynyn technology", p practical training, assistant Zhuman N.
- March 3, 10<sup>20</sup>-11<sup>10</sup>, the discipline "Microbiology", practical training, associate professor Erbulekova M.

## (VI) COMPLIANCE WITH THE STANDARDS OF SPECIALIZED ACCREDITATION

### 6.1. Standard "Management of Educational Program"

The institution must have a published quality assurance policy.

The quality assurance policy should reflect the relationship between research, teaching and learning.

The university must demonstrate the development of a culture of quality assurance, including in the context of EP.

Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint / double degree education and academic mobility.

The management of the EP ensures the transparency of the development plan for the development of the EP based on an analysis of its functioning, the real positioning of the university and the focus of its activities on meeting the needs of the state, employers, stakeholders and students.

The EP management demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP.

The EP management should involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of the EP development plan.

The EP management must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national development priorities and the development strategy of the educational organization.

The university must demonstrate a clear definition of those responsible for business processes within the EP, an unambiguous distribution of staff duties, and delimitation of the functions of collegial bodies.

The management of the EP must provide evidence of the transparency of the educational program management system.

The management of the EP must demonstrate the successful functioning of the internal quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making based on facts.

The management of the EP should carry out risk management.

The management of the EP should ensure the participation of representatives of stakeholders (employers, teaching staff, students) in the collegiate management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.

The university must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.



The EP management must demonstrate evidence of openness and accessibility for students, teaching staff, employers and other interested parties.

The management of the EP must be trained in education management programs.

The management of the EP should strive to ensure that the progress made since the last external quality assurance procedure is taken into account when preparing for the next procedure.

### ***The proving Part***

KazNARU has a published quality assurance policy [https://www.kaznaru.edu.kz/page/university/?link=universitettin\\_saiasaty\\_693&lang=ru](https://www.kaznaru.edu.kz/page/university/?link=universitettin_saiasaty_693&lang=ru), which is a tool for promoting corporate values and communicating the Development Strategy of KazNARU (approved by the decision of the Board on November 16, 2020. Minutes No. 51) to the entire team, partners, customers and consumers of the university's services, a declaration of commitment to the principles of quality and customer focus priorities. It reflects the relationship between research, teaching and learning. Target model and development strategy of the university: an elite university of innovative type, the leader of the agrarian sector of Kazakhstan, Central and Central Asia, carrying out the scientific and educational process at the level of international standards in cooperation with the real sector of the economy and ensuring the competitiveness of graduates in the global labor market; included in the number of 300 universities in the world ranking of the QS agency; ensuring the integration of education, science and production based on innovations in the agro-industrial complex, the mobility of students and TS, creating new knowledge in the agricultural science of Kazakhstan; guaranteeing the creation of conditions for the development of human capital.

Realizing the strategic goals of the university and managing interrelated processes as an integral system, the university management strives for continuous improvement of its activities in the form of:

- training of personnel through science and science-intensive production;
- implementation of research projects in demand in the agricultural market of the country;
- creating conditions for the generation of knowledge and the development of innovations.

The mission, goals and objectives of the university correspond to the main directions of the economic policy of Kazakhstan - the development of agricultural science and education.

[https://www.kaznaru.edu.kz/page/university/?link=universitettin\\_missiiasy\\_179&lang=ru](https://www.kaznaru.edu.kz/page/university/?link=universitettin_missiiasy_179&lang=ru).

When forming the mission, goals and objectives of the university, the tasks set in the laws «On Science», «On Education», the State Program «Digital Kazakhstan», the State Program for the Development of Education of the Republic of Kazakhstan for 2011-2020 are taken into account. the updated State Program for the Development of the Agro-Industrial Complex for 2017-2021, the Strategic Development Plan of the Republic of Kazakhstan until 2020, the Development Strategy of the Kazakh National Agrarian University until 2020-2024, the Development Program of KazNARU as a national research university for 2020-2024, the Concepts for the transition RK to the «green economy» and other policy documents of the country.

The tasks of the university are constantly being improved in accordance with the adopted laws and legislative acts of the Republic of Kazakhstan for the development of agricultural education and science.

The developed EP takes into account the opinions of students and the needs of stakeholders (LLP «Kazakh Research Institute animal husbandry and fodder production», LLP «Research Institute of Sheep Breeding», LLP «R- Kurty», LLP «Zhenis», etc.). As a result of joint work with stakeholders, adjustments were made to the working curricula for professional practice.

The university has a center for strategic research of agribusiness, where students, starting from the second year, have the opportunity to develop business plans (projects) based on specific real data of agricultural formations and in the direction of the EP. The developed business plan is included as a separate section in their final graduation papers, based on the results of their implementation, specific recommendations are developed for implementation in production. Work on the creation of start-up projects is also aimed at this. The main goal of the center is to teach entrepreneurial skills to future specialists, who, upon completion of their studies, should enter the

agricultural market with ready-made business projects (start-ups), i.e. , be ready-made entrepreneurs. The list of qualifications and positions that a graduate can perform after completing the EP, in accordance with the National Classifier of Occupations of the Republic of Kazakhstan 01-2020-1 ) technologist- poultry farmer - 6 skill levels in the ORC; 2) engineer-researcher - 6 levels of qualification in ORK; 3) head of the artificial insemination station - 6 skill levels for ORC, 4) chief livestock specialist - 7 skill levels for ORC, 5) Head (president, director) of an agricultural organization. production.

Educational training programs for students 6B08201, 7M08201, 8D08201 – Technology of Livestock Production implemented by KazNARU is a system of documents developed and approved by the university, taking into account the requirements of the labor market on the basis of legislative and regulatory acts of the Ministry of Education and Science of the Republic of Kazakhstan. The EP is formed based on the needs of the labor market, large commodity producers and satisfies the expectations of employers.

Information about the programs for the development of the EP, about the adoption of collegial decisions, is brought to the attention of interested parties through the university website. The management of the EP systematically requests, analyzes and summarizes the opinions of stakeholders, conducts surveys, makes adjustments to the content of the EP, teaching methods, and improves the material and technical base.

In the course of interviews with TS, stakeholders, students and graduates, EEC experts confirmed that the management of the EP is carried out through the improvement of the EP of the department with the involvement of employers to analyze the EP, monitoring the labor market, analyzing the opinions of employers about the needs of the region in human resources, analyzing the effectiveness of implemented EP and monitoring the quality of training of specialists, monitoring the satisfaction of students and graduates with the conditions for implementation and the quality of the educational process.

KazNARU has an agrotechnological HUB, the Kazakh-Japanese Innovation Center, the Scientific and Educational Innovation Center, the Kazakh-Korean Innovation Center, the Water Innovation Center (Water hub), Kazakh-Belarusian Innovation Center, which gives students the opportunity to engage in scientific activities and innovative start-up projects starting from the undergraduate level.

The management of the EP and teachers actively participate in meetings of working groups, meetings of departments in determining the goals and development strategy of the EP. The Academic Council includes a student representative who has the opportunity to participate in discussions of issues related to the formation or updating of the EP.

The goals and objectives of training are adjusted taking into account questionnaires, surveys and recommendations from stakeholders. A survey is conducted annually, during which an assessment is made of the learning conditions <https://docs.google.com/forms/d/e/1FAIpQLScNz-WZgC5jPWZZsqUYDYSkZ5Sc5QnO79LmHHaq4CBbaOjIw/viewform> , the psychological atmosphere, the degree of satisfaction with the educational process. The results of the surveys are presented on the website of the university for general access to students, TS, employers and other interested parties.

EEC experts found that the management of the educational program presented certificates of completion of advanced training courses, including education management programs.

During the visit of the EEC IAAR , a survey of students was conducted and the results showed that 76.1 % were completely satisfied with the level of accessibility of the dean's office of the faculty and departments; 82.1 % are completely satisfied with the availability of academic counseling ; 76.1 % are completely satisfied with the availability of counseling on personal problems ; the level of openness and accessibility of leadership to students is assessed as “fully satisfied” by 74.6 %; “partially satisfied” – 23.9 %.

#### ***Analytical part***

As a result of the analysis of the self-assessment report, internal documents, conversations with target groups, it was found that students, teachers and representatives of the practice base are

aware of the existence of the University Development Strategy for 2020–2024, the Quality Policy and goals and other internal documents. The management of the EP demonstrated the operability of the internal quality management system.

The strategic development plan of KazNARU for 2020-2024 corresponds to the current legislation of the Republic of Kazakhstan in the field of education and science, strategic and program documents adopted at the republican level. Experts point out that faculty, staff and students are aware of the content of the Strategic development plan of the university, are aware of their contribution to the implementation of the Strategy. Based interviews with target groups, it can be concluded that transparency is ensured developing a development plan for accredited EPs.

The experts were convinced of the consistency of the strategic goals of the university, adequacy of the mission, vision of the strategy to the available resources: financial, information, personnel, material and technical base.

Analysis of documentation of departments and universities, interviews with focus groups demonstrated:

- o the organization of the educational process is carried out according to credit technology in accordance with the LD;
- the material and technical base and information, library support are at a fairly high level;
- innovative educational technologies have been introduced into the educational process;
- Teaching and methodological materials, electronic lecture courses and textbooks, test questions are presented in the library, students are provided with free access to them;
- organization and management of the educational process are carried out using an automated control system.

However, there are also weaknesses:

- in the course of studying the Report on the self-assessment of educational programs, a poor knowledge of TS of foreign languages, freely teaching in English, was revealed;
- high competition in the educational environment for EP.

To improve the quality of teaching in the disciplines of «Genetics»; Biometrics; «Breeding and selection of farm animals»; «Feeding of farm animals»; «Cattle breeding, milk and beef production technology»; «Sheep and goat farming» in multilingual groups, it is necessary to strengthen the knowledge of the English language of subject teachers.

Members of the EEC IAAR found that the university sufficiently fully ensures the awareness of stakeholders and the transparency of the content of the main strategic documents, conducts public discussions with representatives of all interested parties, and discussions at collegiate bodies.

The accredited EP is designed in accordance with the State Educational Standard of the specialty, is consistent with the mission of the university and the relevant requests of employers. The planning of the educational process is represented by the structure of interrelated documents (standard curricula, CED, basic working curricula, individual curricula of students, working curricula of specialties) and a complex of various types of educational and methodological documentation. For the implementation of the EP, a catalog of elective disciplines is being developed, which describes the disciplines of the component of choice, indicating a brief content, pre- and post-details.

EEC IAAR, based on meetings, conversations and interviews with vice-rectors for areas of activity, deans and heads of departments, heads and employees of structural units, faculty, students, graduates and employers, notes the insufficient distribution of job responsibilities of staff and the delineation of functions of collegiate bodies that accept participation in the implementation of the EP, namely the position of the head of the department of the accredited EP 6B08201 - , which combines the position of vice-rector.

Based on the results of interviews, familiarization with various documentation, material and technical base and information and methodological resources of the university and departments, questioning of students and TS, the EEC IAAR notes the following:

***Strengths/best practices***

- The quality assurance policy should reflect the relationship between research, teaching and

learning;

- The management of the EP ensures the transparency of the development plan for the development of the EP based on an analysis of its functioning, the real positioning of the university and the focus of its activities on meeting the needs of the state, employers, stakeholders and students;

- The university must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.

### ***Recommendations of the EEC***

- by the end of 2022, the graduating department at accredited EPs should develop a plan to increase the number of teachers who are fluent in English in order to ensure that educational programs comply with the leading trends in the national education policy (multilingual education) and continue its high- quality implementation.

**EEC conclusions by criteria: 3 strong / 14 satisfactory**

## **6.2. Standard " Information Management and Reporting "**

The university must ensure the functioning of the system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software.

The management of the EP must demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.

Within the framework of the EP, there should be a system of regular reporting that reflects all levels of the structure, including an assessment of the effectiveness and efficiency of the activities of departments and departments, scientific research.

The university should establish the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management, and the implementation of scientific projects.

The university must demonstrate the determination of the procedure and ensuring the protection of information, including the identification of persons responsible for the reliability and timeliness of the analysis of information and the provision of data.

An important factor is the involvement of students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.

The management of the EP must demonstrate the existence of a mechanism for communication with students, employees and other interested parties, including the existence of mechanisms for resolving conflicts.

The university must ensure the measurement of the degree of satisfaction with the needs of teaching staff, staff and students within the framework of the EP and demonstrate evidence of the elimination of identified shortcomings.

The university should evaluate the effectiveness and efficiency of activities, including in the context of the EP.

The information collected and analyzed by the university within the framework of the EP should take into account:

- key performance indicators;
- the dynamics of the contingent of students in the context of forms and types;
- academic performance, student achievement and dropouts;
- satisfaction of students with the implementation of the EP and the quality of education at the university;
- availability of educational resources and support systems for students;
- employment and career growth of graduates.

Students, employees and teaching staff must document their consent to the processing of personal data.

The management of the EP should contribute to the provision of all necessary information in the relevant fields of science.

### ***The proving Part***

The information collection, analysis and management system of KazNARU is based on the use of a corporate computer network, its own domain name <https://www.kaznaru.edu.kz/> . Arta electronic document management system Synergy <http://edoc.kaznau.kz/login/>, program for Exchange e-mail server server .

Kazakh automated library and information system KABIS, Integrated network security solution to protect employees from threats from the Internet TMG Forefront , Multifunctional distance learning system in English Edusoft . Automated library <http://library.kaznaru.edu.kz/new/?lang=ru> , which contains information about the sections of the

site: «About the library», Electronic catalog , Electronic library , Base of articles and Bases data , Periodicals , New humanitarian knowledge. 100 new textbooks in the Kazakh language and Scientific journal « Izdenister / Research» . Readers are served in the library in 4 subscriptions and 10 reading rooms and access to the Scientific Library is possible on weekdays from 9:00 to 17:00, Internet access is unlimited, there are no restrictions for using electronic libraries.

The university website has a Rector's Blog in the «Question-Answer» format, where the university management provides feedback to students, their parents, employees and TS of the university, employers and members of the public [https://www.kaznaru.edu.kz/page/blog\\_rector/?link=omirbaian\\_509&lang=ru](https://www.kaznaru.edu.kz/page/blog_rector/?link=omirbaian_509&lang=ru) The process of involving students, employees and TS, employers in the processes of collecting and analyzing information, as well as making decisions based on them (questionnaires on topical issues and data monitoring) is reflected.

There is free Wi-Fi throughout the university. The coverage of the territory of the university with a free WI-FI zone is 85%. Login, password from the educational portal is suitable for use to access the wireless network. In the main building, the library, the military department, as well as in the buildings and dormitories, Wi-Fi access points are installed.

The members of the EEC found that the university provides information, reference and methodological materials, such as the «Guidebook», a guide for students «HandBook» <https://www.kaznaru.edu.kz/page/studentter/?lang=ru> and [https://www.kaznaru.edu.kz/page/hand\\_book/?lang=ru](https://www.kaznaru.edu.kz/page/hand_book/?lang=ru) , which describes information about the educational process, the rights of students, the location of the buildings, the library's working hours, the rules of conduct; «Academic calendar» [https://www.kaznaru.edu.kz/page/obrazovanie/?link=akademiiayk\\_kuntizbe\\_bakalavriat\\_1095&lang=ru](https://www.kaznaru.edu.kz/page/obrazovanie/?link=akademiiayk_kuntizbe_bakalavriat_1095&lang=ru) , which specifies the time of training and control events, professional practices during the academic year, indicating days of rest, «Academic policy» [https://www.kaznaru.edu.kz/file\\_archive/1448771759var\\_476.pdf](https://www.kaznaru.edu.kz/file_archive/1448771759var_476.pdf) required for mastering the EP.

According to accredited EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production in three languages [https://www.kaznaru.edu.kz/page/department/?name=mal\\_sharuashylygy\\_onimderin\\_ondiru\\_tekhnologiiasy&lang=ru](https://www.kaznaru.edu.kz/page/department/?name=mal_sharuashylygy_onimderin_ondiru_tekhnologiiasy&lang=ru) , which makes it possible to fully cover all aspects related to the activities of the department , and the educational process, allowing you to connect students, teachers and administration.

Management of educational programs is based on the collection, analysis and use of information. The university has introduced mechanisms for collecting, storing and analyzing information on the implementation of educational programs , a system for monitoring the implementation of plans for the development of educational programs, various forms of self-assessment, self-assessment of educational programs during the preparation of institutional and specialized accreditation, annual participation of accredited programs in the ratings of the IAAR, NCE Atameken, annual self-assessment of the processes that ensure the implementation of educational programs as part of the analysis of the QMS; design, development and active use of information systems in the management of educational programs.

During meetings with focus groups, EEC members confirmed that the collection and analysis of information is carried out twice during the academic year. Educational, educational and methodical and information materials are placed in the Platonus system freely available to students.

During the visit, the members of the EEC established that the student receives guaranteed support in case of a problem or questions. The faculty has a trust box. When considering a complaint, equal rights and impartiality are ensured to the participants involved in the complaint, and a decision is made after a thorough study/investigation of the complaint within the established time frame. The procedure for considering complaints is implemented according to the schemes: curator → department → dean's office → vice-rector → rector. In most cases, all conflicts are resolved at the level of the head of the department or the dean of the faculty.

In KazNARU, members of the EEC found that the quality of the programs of the proposed elective disciplines is ensured by a systematic examination conducted by employers with their

further recommendation for implementation in the educational process. At the end of the academic year, at a meeting of the department with the participation of all interested parties, a self-assessment of the EP is carried out, taking into account the changes made, the results achieved, the effectiveness and efficiency of the EP implementation are discussed.

Within the framework of accredited EPs, in order to monitor academic processes, internal audits are regularly organized, surveys are conducted to identify the degree of satisfaction with the quality of education, to identify the results of mastering the EP, and the educational achievements of teachers are recorded and analyzed. The satisfaction of undergraduates with the quality of educational services is assessed through a questionnaire <https://www.kaznaru.edu.kz/page/studentter/?lang=ru>, thus students, TS and employers are involved in the process of collecting, evaluating and analyzing information for making decisions on their basis during the meetings of the departments, EMS of the faculty and the US of the university.

The degree of satisfaction with the needs of TS, staff and students with the level of services provided by the university and the conditions created for work and education is determined by questioning. According to the results of the survey of TS, it was found that the attitude of the university management was “fully satisfied” - 81.8%, “partially satisfied” - 13.6%, “not satisfied” - 4.5%. According to the results of the survey of students, it was found that the level of accessibility and responsiveness of the management was «fully satisfied» - 74.6%, «partially satisfied» - 23.9%, «partially dissatisfied» - 1.5%.

The members of the EEC found that during the implementation of the EP there is a risk of reducing the number of students. Thus, the number of applicants accepted for training in EP 6 B08 201 - has a downward trend.

Table 1 - The number of students accepted for training EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production for 2016-2021

Indicator	Reception					
	2016	2017	2018	2019	2020	2021
Undergraduate	88	63	47	26	13	37
Master's degree	3	8	50	5	9	11
PhD doctoral studies	5	7	12	1	4	5

The experts found that the potential risk is discussed at the meetings of the Board of Directors of the faculty and departments, and based on the results of the meetings, decisions are made that help reduce risks.

#### **Analytical part**

In KazNARU, the system for collecting, analyzing and managing information is based on the use of information and communication tools. The survey of employees is carried out annually and includes a study of the level of satisfaction with working conditions, as well as the prospects for professional development and the work of the administration of the university. Members of the EEC note that the university has an information and reporting management system. The process of involving students and TS in the processes of collecting and analyzing information and making decisions based on them is monitored.

To ensure the quality of the EP, the management uses a variety of methods for collecting and analyzing information: questionnaires, conversations, the results of intermediate and final knowledge controls. The university has demonstrated that both students and university staff are involved in the processes of collecting and analyzing information.

In the course of studying the Self-Evaluation Report of the EP, the members of the EEC found that during the implementation of the EP there is a risk of reducing the number of students. It is necessary to strengthen career guidance among school graduates, using the available resources in social networks and organizing trips to the regions to attract a contingent.

Having held meetings, conversations and interviews with vice-rectors, deans, heads of departments, TS, employers, graduates and students, as well as conducting a survey of students and

faculty, carefully reading the information and methodological resources and documentation, notes the following:

***Strengths/best practices***

-Availability of educational resources and support systems for students.

***Recommendations of the EEC***

- the management of the EP to develop a Career Guidance Plan to attract a contingent by the end of the 2021-2022 academic year.

**EEC conclusions by criteria: 1 strong / 16 satisfactory**

### **6.3. Standard "Development and approval of the Educational Programme"**

The university must define and document the procedures for the development of EPs and their approval at the institutional level.

The management of the EP should ensure that the developed EP complies with the established goals, including the intended learning outcomes.

The management of the EP should ensure the availability of developed models of the EP graduate that describe the learning outcomes and personal qualities.

The management of the EP must demonstrate the conduct of external reviews of the EP.

The qualification obtained upon completion of the EP must be clearly defined, explained and correspond to a certain level of NQF.

The management of the EP should determine the influence of disciplines and professional practices on the formation of learning outcomes.

An important factor is the possibility of preparing students for professional certification.

The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality.

The labor intensity of the EP should be clearly defined in Kazakhstani credits and ECTS.

The management of the EP should ensure the content of academic disciplines and learning outcomes for the level of education (bachelor's, master's, doctoral studies).

The structure of the EP should provide for various types of activities corresponding to the learning outcomes.

An important factor is the presence of joint EPs with foreign educational organizations

***The proving Part***

The university has defined and documented the procedure for assessing the quality of the EP, established the frequency, forms, methods for assessing and monitoring the quality of the EP, developed documents that make up the structure of the educational program. The conditions for conducting external examinations of the EP and the conditions for organizing and conducting professional practice are demonstrated.

Development and approval of educational programs 6B08201, 7M08201, 8D08201 – Technology of Livestock Production is carried out in accordance with regulatory documents: On the procedure for developing, approving and monitoring educational programs; Regulations on the procedure for the development, approval and revision of the EP development plan; Regulations on the procedure and form of internal and external examination and review procedures.

EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production developed in accordance with the established goals; the qualification obtained as a result of mastering the EP is clearly defined and explained. The content of educational programs is developed taking into account the Dublin descriptors and the European Qualifications Framework, implemented through curricula (standard, individual and working) and programs (standard and syllabuses), State Educational Standards of the Republic of Kazakhstan (Basic Provisions), Rules for organizing the educational process on credit technology of education.

The structure of the EP includes the characteristics of the modules. The content of the EP is presented in modules. Each module contains the expected learning outcomes, the volume of the module is indicated in academic hours and credits. Module components are represented by code, name and cycle of disciplines. The disciplines of the module are presented in a logical sequence using a system of pre- and post- requisites and indicate the expected results. At a meeting of the department, at a meeting of the EMC of the faculty, the correspondence between the degree and the

content of the EP is discussed, and shortcomings are considered, adjustments are made, the wishes of employers are taken into account, work programs of disciplines are agreed with employers. 6B08201 - [https://www.kaznaru.edu.kz/file\\_archive/6B08201-20%20%D0%A2%D0%B5%D1%85%D0%BD%D0%BE%D0%BB%D0%BE%D0%B3%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B8%D0%B7%D0%B2%D0%BE%D0%B4%D1%81%D1%82%D0%B2%D0%B0%20%D0%BF%D1%80%D0%BE%D0%B4%D1%83%D0%BA%D1%82%D0%BE%D0%B2%20%D0%B6%D0%B8%D0%B2%D0%BE%D1%82%D0%BD%D0%BE%D0%B2%D0%BE%D0%B4%D1%81%D1%82%D0%B2%D0%B0%202021-2025.pdf](https://www.kaznaru.edu.kz/file_archive/6B08201-20%20%D0%A2%D0%B5%D1%85%D0%BD%D0%BE%D0%BB%D0%BE%D0%B3%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B8%D0%B7%D0%B2%D0%BE%D0%B4%D1%81%D1%82%D0%B2%D0%B0%20%D0%BF%D1%80%D0%BE%D0%B4%D1%83%D0%BA%D1%82%D0%BE%D0%B2%20%D0%B6%D0%B8%D0%B2%D0%BE%D1%82%D0%BD%D0%BE%D0%B2%D0%BE%D0%B4%D1%81%D1%82%D0%B2%D0%B0%202021-2025.pdf) 7M08201 - [https://www.kaznaru.edu.kz/file\\_archive/%D0%9E%D0%9F%20%D0%9C%D0%B0%D0%B3%20%D0%A2%D0%9F%D0%9F%D0%96%202021-2023%20%D0%B3%D0%B3%20%D1%80%D1%83%D1%81%20%20%D0%B3%20\(5\).pdf](https://www.kaznaru.edu.kz/file_archive/%D0%9E%D0%9F%20%D0%9C%D0%B0%D0%B3%20%D0%A2%D0%9F%D0%9F%D0%96%202021-2023%20%D0%B3%D0%B3%20%D1%80%D1%83%D1%81%20%20%D0%B3%20(5).pdf) 8D08201 - Technology for the production of animal products [80%D1%83%D1%81%20\(2\).pdf](https://www.kaznaru.edu.kz/file_archive/8D08201-80%D1%83%D1%81%20(2).pdf)

Each discipline of the curriculum has been assigned an appropriate code in symbols of alphabetic and numeric expressions in accordance with the State Educational Standard of the Republic of Kazakhstan 5.05.001-2005 «Coding System for Academic Disciplines of Higher and Postgraduate Education».

When developing the elective component of EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production, the principle of academic freedom is implemented. Elective disciplines are developed by the TS, taking into account the opinion of employers, the personnel potential of the EP and the educational needs of the student, undergraduate and doctoral PhD student. Elective disciplines are discussed at the graduating department, are presented by TS to students during the annual Enrollment procedure - the procedure for choosing, registering students for academic disciplines. The content of the EP for bachelor's, master's, doctoral studies is developed on the basis of the principles of continuity and continuity with previous levels of education. The main tasks of the EP and the goals of the MNP are determined.

As a result of mastering the basic and profiling modules of the EP, the student develops the knowledge, skills and abilities necessary to carry out all types of professional activities in the field of animal husbandry, develops learning skills in order to carry out further training with a high degree of independence, that is, professional, communication and key skills are formed. competencies that meet the requirements of employers.

The graduating department constantly monitors the real contribution of various disciplines to the achievement of the planned learning outcomes of EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production. All modules of the EP are arranged in a logical sequence and are determined by the curriculum, which involves the preliminary study of a number of modules necessary for the effective development of the following disciplines or courses. To be admitted to the modules, the student is obliged to fulfill the prescribed WC and get a positive mark in the exams in the disciplines that are prerequisites (subjects that provide basic knowledge) of this module.

To acquire a complex of professional, intercultural, communicative competencies, a graduate must have knowledge of the totality of general education (GES), basic (BD) and profile (MD) disciplines, both their mandatory component and the component of choice in accordance with the chosen educational trajectory in full, established by the state standard.

The members of the commission note that the management of the EP has developed a list of requirements for the student, employers, representatives of business and research institutes who are involved in conducting internal and external examinations of the EP. KazNARU has developed a procedure for approving, periodically reviewing and analyzing EPs, systematically reviewing and supplementing the list of elective practice-oriented disciplines with the involvement of external experts (research institutes and employers).

According to the results of the survey of the TS, it was found that:

- management support in the development of new educational programs / academic disciplines / teaching methods, 75% rate it as «very good», 25% - as «good».



- to what extent the content of the educational program meets your scientific and professional interests and needs, 90.9% assess it as “very good”, and 9.1% as “good”.

According to the results of the survey of students, it was found that:

- with the quality of study programs in the EP «fully satisfied» - 88.0%, «partially satisfied» - 10.4%, «partially dissatisfied» - 0, «not satisfied» - 0, «difficult to answer» - 1.5% .

- support with educational materials in the learning process «fully satisfied» - 88.1%, «partially satisfied» - 11.9%, «partially dissatisfied» - 0, «not satisfied» - 0, «difficult to answer» - 0.

In accordance with the ultimate goals of education, a model of a graduate of accredited educational programs has been developed. The competency-based model determines the object of the graduate's professional activity, qualification characteristics, key competencies, as well as requirements for learning outcomes and the level of education of graduates accredited by the EP.

Accredited educational programs are focused on learning outcomes and are built on a modular basis. In the implementation of EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production, the principle of an individual approach to each student who has the right to choose their own educational trajectory of learning is followed:

According to EP 6B08201– Technology of Livestock Production of animal products there are about the bottom of the learning trajectory. According to EP 7M08201– Technology of Livestock Production There are two learning paths: « Technology for the production of cattle and horse breeding » and «Technology for the production of sheep and poultry products» According to EP 8D08201 – Technology of Livestock Production there are learning paths: “Technology of primary processing and quality control of sheep products”, “Technology of milk and beef production”, “Technology of horse breeding and production of organic products in horse breeding” and “Innovative methods for increasing the productivity of poultry” [https://www.kaznaru.edu.kz/page/facultet/?name=technologiiia\\_zhane\\_bioresurstar&var=bilim\\_beru\\_bagdarlamasy\\_39&lang=ru](https://www.kaznaru.edu.kz/page/facultet/?name=technologiiia_zhane_bioresurstar&var=bilim_beru_bagdarlamasy_39&lang=ru)

Each module is a meaningful and consistent package for teaching and learning. The University, in the implementation of the EP, is working on the introduction of effective innovative teaching methods; there is an opportunity to continue education in postgraduate EP; cooperation is carried out with other universities implementing a similar EP, an exchange of experience has been established and leading Kazakh scientists are involved in the educational process; availability of information systems and databases, the University portal and the Internet site. Among them, great importance is attached to the development and use of innovative methods and information technologies in the educational process at the university. Ways to improve the existing base of innovative methods and teaching aids are considered at the meetings of the EMC. The experience of implementing the most relevant and effective methods becomes an object of exchange between teachers through demonstration and open classes and is recorded in the journals of mutual visits of teachers and is reflected in the plans of the TMC, minutes of the meetings of the TMC.

The main directions of the development of the EP are focused on improving the quality of training of specialists based on the introduction of a competency-based approach that meets the requirements of employers.

The organization of practices is regulated by KazNARU PP-220 «Regulations on the organization of professional practice for students» Students' professional practices are organized and conducted within the time limits set by academic calendars for the academic year in accordance with the requirements of the State Educational Standard. The direction of students to all types of practices is issued by order of the rector. Industrial practices are held at enterprises, institutions and organizations of the relevant profile on the basis of concluded agreements. The practice bases are: Baysyerke - Agro LLP, R - Kurty LLP, Kazybeyek Bi LLP, AK-sunkkar-2007 LLP, Azhar Farm, Madi Farm, JSC PZ Zhenis, LLP Shanyrak, Sarsebek Farm , Daulet-Beket LLP, Batai -Shu LLP, Kazgurt- agroservice and K LLP, Yntykbay Farm , Agrofirms LLP and others among the most significant enterprises, institutions and organizations *of* the relevant industry, where for many years university students have been practicing with subsequent employment.

As part of the academic mobility of TS, scientists from 14 countries of Europe, the USA and

Asia were invited to KazNARU: Marian Lubomir Bzhozovsky (2018) - Professor of the University of Warsaw (Poland), Jan Mizhinsky (2019) Professor of the University of Warmia and Mazury (Olsztyn), Rakhimov Sharof Sharofchon Toirovic (2020) - professor, academician of the Russian Academy of Sciences, professor K.A. Timiryazev, Yuldashbaev Yusup Artykovich (2020) - Head of the Livestock Biotechnology Laboratory, Chortonbaev Tyrgoot - Professor Vice-Rector for Research of the Kyrgyz National Agrarian University named after K.I. Scriabin, Schobel Paul (2021) - Agrar production und Consulting GmbH (Austria), Chortonbaev Targoot Zhumadinovich (2021) - Professor, Vice-Rector for Research of the Kyrgyz NAU, Bobokulov Nosiollo Asadovich (2021) - Director of the Uzbek Research Institute of Karakul Breeding and Pasture Ecology, Jan Michinsky (2021) - Professor of the Warsaw-Mazury University (Poland), Chitchyan Tigran Zhirayrovich (2021) - Head of the Department of Animal Husbandry of the National Agrarian University of Armenia, Dvalishvili Vladimir Georgevich (2021) - Chief Researcher of the Federal Research Center for Animal Husbandry-VIZh named after L.K. Rakhimov Sharofchon Toirovic (2021) - professor, Head of the Laboratory of Livestock Biotechnology in Dushambe (Tajikistan), Yuldashbaev Yusup Artykovich (2021) - Professor of the RGAU-MSHA named after K.A. Timiryazeva, Soo-Ki Kim, PhD (2021) - Professor, Konkuk University, South Korea, Dongak Maria Ivanovna (2021) - Dean of the Faculty of Agriculture, TuvGU, Tyva, Russian Federation.

Zhambul Doyana (Slovakia), Aliyahunova Dilyara (Slovakia), Sakenova Dayana (Slovakia), Nurtaeva Balnur (Slovakia). Financing of external academic mobility is carried out at the expense of: MES RK; international program Erasmus +; students' own funds.

In order to develop joint EPs with leading foreign universities in the direction of the 3-cluster, agreements, memoranda with universities were signed: the Slovak Agricultural University (Slovakia), the Institute of Life Science of the Shihezi University (PRC), the Xinjiang Agrarian University (PRC), the Kyrgyz National Agrarian University. K.I. Scriabin (Kyrgyzstan); FGBOU Russian State Agrarian University - Moscow Agricultural Academy named after K.A. Timiryazev (RF), Spanish University «Leida» (Spain), University of North Dakota (USA), University. St. Stephen (Hungary), University of Plovdiv (Bulgaria).

#### **Analytical part**

The university has defined and documented the procedure for assessing the quality of the EP: the frequency, forms, methods for assessing and monitoring the quality of the EP have been established; documents that make up the structure of the educational program have been developed. The conditions for conducting external examinations of the EP and the conditions for organizing and conducting professional practice are demonstrated. However, the members of the commission did not find evidence of involvement of representatives of state institutions in the field of agriculture for the review of the EP, although the developed The model of a graduate in an accredited study program implies employment in this area as well, as a civil service specialist in various state structures of the agro-industrial complex.

The main tasks of the EP and the goals of the Modular Educational Program are determined. The EP development plan is presented in general for the university. Graduate Models for accredited EPs have been developed.

Taking into account modern professional requirements, the needs of the labor market and the proposals of employers, the content of the EP is systematically reviewed and improved. Employers are always involved in the development of the EP.

The EEC members came to the conclusion that the university has defined and documented the methodology for developing the EP, as well as the procedure for conducting all procedures for approving the EP, and the structure of the EP has been developed. The labor intensity of the EP is defined in ECTS credits, which is reflected in all documents for the implementation of accredited educational programs.

The EP development system consists of the following procedures; appointment of a commission on curricula and programs by order of the dean's office and an order for the university; drawing up syllabuses at the department and discussing it with the participation of employers; a set of documents for the EP (WC, MOP, CED): reviewing the EP by external reviewers; consideration

of the EP at a meeting of the EMC of the faculty; approval by the faculty council.

As part of the academic mobility of the TS, scientists from 14 countries of Europe, the USA and Asia were invited to KazNARU. Practice bases are leading enterprises and research institutes.

In order to develop joint EPs with leading foreign universities in the direction of the 3-cluster, agreements and memorandums were signed with 8 foreign universities (Slovakia, China, Kyrgyzstan, Russia, Spain, USA, Hungary and Bulgaria).

***Strengths/best practices***

No strengths have been identified within this Standard.

***Recommendations of the EEC***

- the management of the EP is recommended to constantly involve representatives of state institutions in the field of agriculture for the review of the EP.

**EEC conclusions by criteria: 12 satisfactory**

**6.4. Standard "On-Goig Monitoring and Periodic Review of Educational Programme"**

The university should monitor and periodically evaluate the EP in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes are aimed at continuous improvement of the EP.

Monitoring and periodic evaluation of the EP should consider:

- The content of the programs in the light of the latest achievements of science in a particular discipline to ensure the relevance of the discipline taught;
- Changes in the needs of society and the professional environment;
- The workload, academic performance and graduation of students;
- The effectiveness of student assessment procedures;
- Expectations, needs and satisfaction of students;
- The educational environment and support services and their compliance with the objectives of the EP.

The university and the management of the EP must provide evidence of the participation of students, employers and other stakeholders in the revision of the EP.

All stakeholders must be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP must be published.

The management of the EP should ensure the revision of the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of society.

***The proving Part***

At the University of KazNARU, the procedure for monitoring and periodic evaluation of accredited EPs is carried out on the basis of internal regulatory documents published on the website of the university.

At the department, by the method of questioning and interviewing, by the method of systematic and direct monitoring of results, by the method of external expert assessments, constant monitoring and periodic assessment of the quality of education at accredited EPs is carried out to identify the degree and completeness of the implementation of educational standards, the compliance of the operational goals of the university with the strategic requirements for a specialist in labor market. The university management presented evidence of the participation of students, employers and other stakeholders in the revision of the EP. Responsible for the processes of monitoring, evaluation and improvement of educational programs are the dean of the Faculty of Technology and Bioresources and the head of the graduating department, coordinates the work of the Department for educational and methodological work and the quality of educational programs.

The main task of the EP monitoring and evaluation system in KazNARU is to confirm the relevance and relevance of the EP and consistency with the mission of the university: assessment of the degree of achievement by students of learning outcomes for EP: assessment of the relevance of the curriculum and the effectiveness of assessment methods for students in achieving learning outcomes for EP demonstration of the achievement of EP goals: confirmation of the elimination of previously identified shortcomings of the EP in accordance with these recommendations.

EEC experts, during interviews with TS and representatives of practice bases, confirmed that

annually the graduating department for accredited EPs organizes meetings with heads of organizations and enterprises in order to improve educational programs. EPs are updated annually by 30%, taking into account the interests of the labor market. The EP development plan is being publicly discussed with representatives of all interested parties, based on the proposals and amendments of which the authorized collegial body of the university makes changes to the project. Based on the results of monitoring the satisfaction of the needs of students and employers, changes in the EP aimed at improving the EP are taken into account.

An important evidence of confirmation of the quality of educational programs are the results of the rating conducted at the republican level by independent agencies of the IAAR, IQAA, as well as the National Chamber of Entrepreneurs of the Republic of Kazakhstan «Atameken».

The experts found that the need to change the content of educational programs is determined by the department based on the analysis of: changes in the State Educational Standard of Education of the EP: the effectiveness of promoting students on individual learning paths; the results of the survey of students in the field of satisfaction with the acquired competencies.

In order to improve the quality of the organization of the educational process, internal monitoring of students' satisfaction with the quality of the university's work is carried out. As part of the monitoring, on a planned basis, a survey of different groups of students is systematically carried out: annual survey of students, graduates, thematic surveys, targeted surveys, student assessment of the pedagogical activities of the TS.  
<https://www.kaznaru.edu.kz/page/studentter/?lang=ru>

According to the results of the survey of the TS, it was found that:

- Correspondence of the knowledge of students received at the university with the realities of the requirements of the modern labor market is assessed as “very good” by 68.2%, “good” by 29.5% and “relatively bad” by 2.3%.

According to the results of the survey of students, it was found that:

- to the question: «Is the material proposed by the teacher relevant and reflects the latest achievements of science and practice»: 71.6% of students «completely agree», 26.9% «agree» and 1.5% - «partially agree»;

- to the question “Are the assessment criteria used by the teacher understandable and accessible?” 74.6% answered “full agreement”;

- with the objectivity of assessing knowledge, skills and other educational achievements «full agreement» - 74.6, «agree» - 25.4%.

#### ***Analytical part***

The minutes of the meetings of the department confirm the participation of students and employers in the development of the EP. Reviews from employers on the EP have been updated. Students have information on what educational trajectory they are studying.

To assess the satisfaction of the EP among students at the university, a survey is conducted. The quality assessment of the implementation of the EP is carried out through the conduct of open classes and mutual visits to classes, the analysis of tests, examination papers, test tasks, discussion of the topics of theses, master's and doctoral dissertations at meetings of the Faculty Council, the University Board of Directors. Also, to assess the quality of conducting classes, by order of the Rector of the University, an expert commission was created from among experienced teachers of the university. Experts attend TS classes in accordance with the schedule of open classes. According to the procedure of PKAZNAU OKPUZ-145 «Rules for assessing the quality of training sessions», the results of the assessment are recorded in the protocol, which is signed by the expert and provided to the teacher for review.

The procedure for reviewing the content of accredited EPs is carried out by external experts: employers, partners, representatives of the organization. The employer is involved in the educational process at the stages of developing a specialist model, determining learning outcomes, preparing elective modules and disciplines necessary for developing an EP.

Informing students, employers, TS about changes to the EP is carried out through the university website and AIS «Platonus». The material and technical resources used in education,

science are sufficient and fully comply with the requirements of the educational process within the framework of the EP. During the classes, modern multimedia means of information were demonstrated for the presentation of material, in order to form a highly professional specialist.

***Strengths/best practices***

No strengths have been identified within this Standard.

***Recommendations of the EEC***

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**EEC conclusions by criteria: 10 satisfactory**

**6.5. Standard "Student-Centered Learning, Teaching and Performance Evaluation"**

The management of the EP should ensure respect and attention to the various groups of students and their needs, providing them with flexible learning paths.

The management of the EP should ensure the use of various forms and methods of teaching and learning.

An important factor is the presence of own research in the field of teaching methods of academic disciplines of the EP.

The EP management must demonstrate the existence of a feedback system on the use of various teaching methods and the assessment of learning outcomes.

The management of the EP must demonstrate support for the autonomy of learners, while being guided and assisted by the teacher.

The management of the EP must demonstrate the existence of a procedure for responding to complaints from students.

The university must ensure the consistency, transparency and objectivity of the mechanism for assessing learning outcomes for each EP, including appeal.

The university must ensure that the procedures for assessing the learning outcomes of students of the EP correspond to the planned learning outcomes and program goals. Criteria and evaluation methods within the EP should be published in advance.

The university should determine the mechanisms for ensuring the development of learning outcomes by each EP graduate and ensure the completeness of their formation.

Assessors should be proficient in modern methods of evaluating learning outcomes and regularly improve their skills in this area.

***The proving Part***

EEC experts note that the university has created a learning environment that promotes the formation of basic and professional competencies, taking into account the individual needs and capabilities of students. Implementation of EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production in the framework of student-centered learning takes place taking into account the personal characteristics and needs of students, with an emphasis on independent activity, the process of increasing personal responsibility for learning outcomes. behind

The functioning of the EP reflects the formation of an individual educational trajectory for students in the EP, the use of innovative teaching methods, planning and monitoring of SIW, professional practices. The methodology of interactive methods has been worked out, specialized software support for training sessions is widely used.

The management of the University constantly monitors the effectiveness of providing additional services to students, annually monitors them and takes effective measures to improve them. To support students, there is a trust box, the student's Internet code [https://www.kaznaru.edu.kz/page/studentter/?var=studentterdin\\_arnamys\\_kodeksi\\_564&lang=ru](https://www.kaznaru.edu.kz/page/studentter/?var=studentterdin_arnamys_kodeksi_564&lang=ru) , flexible payment system for students from large families and orphans [https://www.kaznaru.edu.kz/page/Social\\_support\\_for\\_students/?lang=ru](https://www.kaznaru.edu.kz/page/Social_support_for_students/?lang=ru)

The university notes the success and activity of students. Gifted students who take an active part in the public and scientific life of the university have a priority right in the award of nominal scholarships, benefits, awards. Measures to support gifted students are to provide successful students with discounts on university tuition fees in the amount of 20 to 50%; rewarding students for a high level of cultural and educational events; financing the expenses of students participating in international and republican scientific and practical conferences, creative competitions, reviews,

etc., providing vouchers to a boarding house on the coast of Issyk-Kul, rewarding students who took part in the development of the best scientific project; holding competitions «The best student of the year», «Kaznau Stars», «The best student start-up project».

In order to adapt students to the educational environment of the university, the reference guide is constantly updated, containing systematized information about the internal regulations, organizational procedural norms of the educational process. The University provides information, reference and methodological materials, such as the «Guidebook», a guide for students «HandBook» <https://www.kaznaru.edu.kz/page/studentter/?lang=ru> and [https://www.kaznaru.edu.kz/page/hand\\_book/?lang=ru](https://www.kaznaru.edu.kz/page/hand_book/?lang=ru), which describes information about the educational process, the rights of students, the location of the buildings, the library's working hours, the rules of conduct; «Academic calendar» [https://www.kaznaru.edu.kz/page/obrazovanie/?link=akademiiayk\\_kuntizbe\\_bakalavriat\\_1095&lang=ru](https://www.kaznaru.edu.kz/page/obrazovanie/?link=akademiiayk_kuntizbe_bakalavriat_1095&lang=ru), which specifies the time of training and control events, professional practices during the academic year, indicating days of rest, «Academic policy» [https://www.kaznaru.edu.kz/file\\_archive/1448771759var\\_476.pdf](https://www.kaznaru.edu.kz/file_archive/1448771759var_476.pdf) required for mastering the EP.

Members of the EEC NAR note that the distribution of disciplines by semester is carried out in a logical sequence, taking into account the observance of prerequisites and postrequisites. On the basis of SSP, EP and CED, a student forms his individual curriculum for the current year. The student's individual curriculum is approved annually by the dean of the faculty, contains a list of disciplines and the number of credits.

During the interviews with TS and studying EEC experts, it was confirmed that students in the process of their studies at the university receive academic advice and support from advisors. Advisors hold individual meetings and advise on any emerging issues, including academic ones.

In order to implement student-centered learning and teaching, KazNARU widely uses students in the management of the university, in solving a significant number of issues of study, life and recreation, and providing an optimal system for shaping the personality of a future specialist. The leading role in these processes belongs to the student government. In order to socialize the individual, student self-government has been introduced at the university. Students have the opportunity to actively participate in the public life of the university through various student organizations and associations, such as: MK «Zhas Otan», youth labor camp «Zhasyl El», «Student construction team», debate club «Ziyaly Kazakh», Student Assembly «Dostyk», movement «Shapagat», club «Ayaly alaqan», patriotic club «Aibyn», club «Volunteers of KazNAU» When implementing the EP, the individual characteristics, needs and cultural experience of students are taken into account when: choosing elective courses, when choosing bases of practice, determining topics for graduation / master's / doctoral works, choosing a supervisor, attracting students to research work.

To ensure the transparency of teaching and assessment, a methodological recommendation has been developed for the criteria-based assessment of student learning outcomes, which provides assessment criteria for the forms of control. The procedure and procedure for evaluating student learning outcomes is given in the Rules for conducting ongoing monitoring of progress, intermediate and final assessments of students.

For the successful mastering of the EP by students in the educational process, TS use innovative teaching methods in the form of business and role-playing games, simulation trainings, discussions, brainstorming, situational tasks, slideshow design, opening lessons, keynes methods. Teachers successfully practice presentations of training courses using interactive whiteboards, multimedia projectors, use of video equipment in the classroom. The analysis showed that the introduction of interactive teaching methods noticeably modifies the form of the lecture session through the use of a set of modern teaching aids, which makes it possible to increase the effectiveness of the educational process due to the growth of student activity. When conducting seminars, the TS actively uses monitoring and teaching technologies, electronic teaching aids.

In the educational process in all areas, teaching methods of various degrees of independence and activity of cognitive activity are used, which encourage active and practical activity in the

process of mastering educational material. The variety of teaching methods is determined by the variety of forms of education: lectures, laboratory and practical classes, SIW, IWST. Modern teaching technologies are widely used, where the role of students in mastering the actions and operations of professional activity depends on the goals and objectives, the content of the academic discipline.

The University guarantees each student support in case of a problem or questions, and the information received from the student serves as a source of knowledge and understanding of the needs and problems of students, and is used to find and implement effective solutions to problems. The faculty has a trust box. When considering a complaint, equal rights and impartiality are ensured to the participants involved in the complaint, and a decision is made after a thorough study/investigation of the complaint within the established time frame. The procedure for considering complaints is implemented according to the following schemes: curator → department → dean's office → vice-rector → rector. In most cases, all conflicts are resolved at the level of the head of the department or the dean of the faculty.

To assess the knowledge of students in KazNARU, a point-rating system is used, consisting of three types of control - current, boundary and final. Current control is carried out in the form of testing the knowledge, skills and abilities of students using various forms of control: oral survey, tests, colloquia, individual homework, discussions, trainings, round tables, etc. reception of intermediate, current and final control of students' knowledge is carried out according to a schedule drawn up in advance and communicated to students and members of commissions. The results of the exam, according to the examination sheet, are entered by the teacher into the AIS «Platonus» on the day of the exam. Applications for appeal based on the results of a written, oral exam or computer testing are accepted within one day following the announcement of the results, upon a personal application of the student signed by the rector of the university, where it is necessary to indicate the essence of the issues being appealed. The appeal is carried out orally by the subject appeal commission of the department. The results of the appeal, drawn up in the Protocol, are signed by the members of the appeal commission and access is granted to the examiners to enter the results of the appeal.

To improve the quality of students' knowledge, the TS is improving their qualifications and mastering modern methods for assessing the learning outcomes of students. The advanced training of the TS of the accredited EP is carried out in various areas. The choice of directions is determined by the need to improve pedagogical skills, introduce innovative teaching technologies into the educational process for the EP of the department, improve the content of taught disciplines in accordance with modern requirements of science.

The advanced training of the TS of the university is coordinated by the Institute for Advanced Studies, according to the Strategic Plan for the Development of the University until 2024 and is carried out during the entire career of the teacher, i.e. a modern system of continuous education has been created [https://www.kaznaru.edu.kz/page/povishenye\\_kvalifikasii/?lang=ru](https://www.kaznaru.edu.kz/page/povishenye_kvalifikasii/?lang=ru).

Over the past five years, the TS of the department have undergone advanced training, which is confirmed by certificates of teachers on advanced training. In 2016 - 4, 2017 - 9, 2018 - 20, in 2019 - 47, in 2020 - 26 certificates, which shows an increase in the professional and personal development of the TS of the department «Technology of Livestock Production». With the support of the World Bank for Development, English courses were organized at the university in 2018, where 5 teachers of the department received certificates.

Table 2 - Information on advanced training of TS

Total	including by professional development organizations		
	IPK	university	other
2016			
4	1	-	3
2017			
9	1	5	3

2018			
20	2	11	7
2019			
47	14	13	20
2020			
26	8	1	17

### ***Analytical part***

The analysis of student-centered learning, teaching and assessment testifies to the systematic work carried out by the leadership of the EP in the direction of changing the paradigm of education - moving away from the classical conservative system, where the teacher is in the center, to the system of open education, in the center of which is the student.

Stakeholder interviews, visual inspection of classrooms based on the provided video materials and the study of departmental documentation showed a sufficient level of material support of the department to ensure teaching based on modern achievements of world science and practice in the field of preparation and performance of scientific work at the required level.

The university provides financial support to successful students and students from low-income, large families and orphans, a flexible system of tuition fee discounts is provided to the socially vulnerable category of students. The leadership of the EP notes the activity and success of students - awards, diplomas and certificates are allocated.

The educational process of the EP «» at all levels is fully provided with all the necessary information sources: textbooks, teaching aids, teaching aids and developments in academic disciplines, active handouts and instructions for independent work, access to network educational resources. There are electronic textbooks, video lectures, presentation lectures, etc. There are multimedia projectors for lecturing, computer classes are connected to the INTERNET local network and Wi-Fi, there are copying and copying equipment. Equipping the educational process with multimedia classrooms and specialized laboratories is carried out constantly in accordance with the requirements of the standards.

### ***Strengths/best practices***

Providing teaching based on modern achievements of world science and practice in the field of training, using various modern teaching methods and evaluating learning outcomes that ensure the achievement of the goals of the EP, including competencies, skills to perform scientific work at the required level.

### ***Recommendations of the EEC***

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**EEC conclusions by criteria: 1 strong / 9 satisfactory**

## **6.6. Standard "Students"**

The university must demonstrate the policy of forming a contingent of students in the context of the EP from admission to graduation and ensure the transparency of its procedures. The procedures governing the life cycle of students (from admission to completion) must be defined, approved, published.

The management of the EP must demonstrate the conduct of special adaptation and support programs for newly enrolled and foreign students.

The university must demonstrate the compliance of its actions with the Lisbon Recognition Convention.

The university should cooperate with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers" ENIC / NARIC in order to ensure comparable recognition of qualifications.

The management of the EP must demonstrate the existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education.

The university should provide an opportunity for external and internal mobility of students of the EP, as well as assist them in obtaining external grants for training.

The management of the EP should make every effort to provide students with internship places, promote the employment of graduates, and maintain contact with them.



The university must provide EP graduates with documents confirming the qualifications received, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.

An important factor is the monitoring of employment and professional activities of EP graduates.

The management of the EP should actively encourage students to self-education and development outside the main program (extracurricular activities).

An important factor is the existence of an active alumni association/association.

An important factor is the existence of a mechanism to support gifted students.

### ***The proving Part***

The policy of forming a contingent of students EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production the formation, accounting, movement and release of a contingent of students in KazNARU is carried out in accordance with the Model rules for the activities of organizations of higher and postgraduate education. Accounting and movement of the contingent of students is carried out according to the forms, languages and conditions of study on the basis of the established form of statistical reporting 3-NK.

In KazNARU, the formation of a set of students is carried out by the center for the formation of a contingent of students in the following areas: organizing and conducting career guidance work in regional centers, districts, city schools with students and college graduates during the academic year. The TS and career guidance students are involved in the work. The admission committee of the university carries out work on organizing and conducting admission in accordance with the NPA <https://www.kaznaru.edu.kz/page/talapker/?lang=ru>.

The university provides applicants applying for master's and doctoral studies with the following additional services: preparatory courses, trial tests, English language testing.

The university uses a system that allows to achieve the required level of training of students with an insufficient level of knowledge during the period of study, including the following activities: systematic individual consultations of teachers; monitoring the performance of laboratory work, individual and homework assignments; ensuring free access (including remote access) to teaching aids and methodological developments in each discipline; organization of library services; the presence of a number of courses and methodological materials posted on the websites of the departments; conducting additional classes, consultations and practical work; availability of a corrective education system.

The Admissions Committee of the University coordinates the activities for accepting documents. The Chairman of the Admission Committee is the Rector of the University. Admission of citizens to the University is carried out according to the results of the UNT or CT, carried out according to the rules and procedures developed by the National Testing Center of the Ministry of Education and Science of the Republic of Kazakhstan (table 3).

Table 3 - UNT indicators average score of students of EP 6B08201– Technology of Livestock Production

Indicator	2017	2018	2019	2020	2021
UNT	81	80	70	74	63

Admission of foreign citizens to the University is carried out according to the allocated quota on the basis of the state educational order in international higher educational institutions established on the basis of interstate agreements, as well as on a paid basis. The formation of the student body at the University is carried out by placing a state educational order (educational grants), as well as paying for education at the expense of citizens' own funds and other sources. The number of applicants accepted for training in EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production is presented in table 4.

Table 4 - The number of students accepted for training EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production for 2016-2021

Indicator	Reception 2016	Reception 2017	Reception 2018	Admission 2019	Admission 2020	Reception 2021
Undergraduate	88	63	47	26	13	37

Master's degree	3	8	50	5	9	11
PhD	5	7	12	1	4	5

Table 5 - The contingent of students of EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production for 2015-2021

Indicator	2015-2016 academic year	2016-2017 academic year	2017-2018 academic year	2018-2019 academic year	2019-2020 academic year	2020-2021 academic year
Undergraduate	261	343	311	254	221	134
Master's degree	64	37	11	58	54	14
PhD	12	15	15	24	20	17

At the department of the faculty there is a system of regular individual and group consultations for students in all disciplines. Schedules of consultations are approved at the meeting of the department at the beginning (semester) and are posted on the stands of the departments and AIS «Platonus».

The leadership of KazNARU in order to ensure the operation of the Lisbon Convention on the recognition of openness and cooperation with other educational institutions and national centers «European Network of National Information Centers for Academic Recognition and Mobility National Academic Recognition Information Centers (ENIC NARIC) to ensure comparable recognition of qualifications in the country.

In order to monitor academic processes, internal audits are regularly organized, surveys are conducted to identify the degree of satisfaction with the quality of education, to identify the results of mastering the EP, and the educational achievements of teachers are recorded and analyzed. Assessment of student satisfaction with the quality of educational services is carried out through a questionnaire <https://www.kaznaru.edu.kz/page/studentter/?lang=ru>

In an accredited study program, a prerequisite for participation in academic mobility programs for students is high academic performance. The main criteria for the competitive selection of applicants are: completion of one academic period for grades «B-», «B», «B +», «A-», «A» (GPA not lower than 2.67) and fluency in a foreign language in case travel to a foreign university.

With academic mobility, the student receives a versatile education in the chosen specialty, access to research laboratories, as well as better educational services, which are carried out through inter-university cooperation under direct bilateral agreements between KazNAU and universities of other countries and involves studying abroad for one semester with the possibility of crediting learning outcomes [https://www.kaznaru.edu.kz/page/sotrudnichestvo/?link=sheteldik\\_seriktes\\_universitetter\\_505&lang=ru](https://www.kaznaru.edu.kz/page/sotrudnichestvo/?link=sheteldik_seriktes_universitetter_505&lang=ru).

Members of the EEC IAAR noted that according to EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production, the number of contracts concluded with employers to provide bases for industrial practice with the possibility of subsequent employment is increasing. Annually KazNARU holds a job fair «Zhasorken», which allows the graduate to form a first idea about the labor market, opportunities and prospects of the chosen profession, learn more about related fields, potential employers. Employers' feedback on EP graduates is positive.

One of the key positions of the strategic plan for the development of the EP is positioning in all regions of Kazakhstan, including in matters of employment of graduates. Employment efficiency of graduates is controlled by the EP&T and confirmed by the MRCSS data <https://www.kaznaru.edu.kz/page/tulekter/?lang=ru>. EP&T constantly monitors the employment of university graduates by collecting information on the professional employment of graduates. There is a developed Mission of the Association, which consists in strengthening the corporate spirit of all generations, uniting and social promotion of graduates, their self-realization <https://www.kaznaru.edu.kz/page/tulekter/?lang=ru>.

#### *Analytical part*

In the university, the policy of forming a contingent is regulated and reflected in the Academic

Policy of KazNARU. The university conducts an assessment of communication with employers; students actively participate in youth creative and research competitions, conferences.

According to accredited EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production Members of the EEC IAAR noted that contracts with bases of practice cover only agricultural formations of different forms of ownership. It is possible to strengthen the position by entering into agreements between practitioners and state institutions in the agro-industrial complex.

Despite the well-exhibited work on attracting applicants and strong career guidance, in 2021 there is a downward trend in undergraduate studies compared to 2016 by 42 %. It is recommended to strengthen the work on attracting the contingent.

During interviews with focus groups, experts noted that the Alumni Association is not active, acts formally, without having a significant impact on improving the educational process.

***Strengths/best practices***

The presence of a mechanism to support gifted students.

***Recommendations of the EEC***

- by the end of the 2021-2022 academic year , the management of the EP to develop an effective work plan to attract a contingent ;

- the leadership of the university on an ongoing basis to hold round tables with graduates of recent years to exchange experience and integrate them into the alumni association.

**EEC conclusions by criteria: 1 strong / 11 satisfactory**

**6.7. Standard "Teaching Staff"**

The university must have an objective and transparent personnel policy, including in the context of the EP, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff.

The university must demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the university and the specifics of the EP.

The management of the EP must demonstrate awareness of responsibility for its employees and provide them with favorable working conditions.

The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning.

The university must determine the contribution of the teaching staff of the EP to the implementation of the development strategy of the university, and other strategic documents.

The university should provide opportunities for career growth and professional development of the teaching staff of the EP.

The management of the EP should involve practitioners from relevant industries in teaching.

The management of the EP should provide targeted actions for the development of young teachers.

The university must demonstrate the motivation for the professional and personal development of EP teachers, including the promotion of both the integration of scientific activity and education, and the use of innovative teaching methods.

An important factor is the active use of information and communication technologies by the teaching staff of the EP in the educational process (for example, on-line training, e-portfolio, MEP, etc.).

An important factor is the development of academic mobility within the EP, attracting the best foreign and domestic teachers.

An important factor is the involvement of the teaching staff of the EP in the life of society (the role of the teaching staff in the education system, in the development of science, the region, the creation of a cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).

***The proving Part***

Members of the EEC IAAR found that the TS of the graduating department EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production meets the qualification requirements for licensing educational activities. So, EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production are provided by TS who have a basic education corresponding to the profile of the discipline taught and systematically engaged in scientific and scientific-methodological activities. Professional EP is provided by TS 100% of which have academic degrees and titles. Doctors of sciences, professors - 32%. The proportion of teachers with academic degrees and titles in blocks of disciplines is: general humanitarian and socio-economic disciplines - 65%; general mathematical

and natural science disciplines - 80%; general professional disciplines - 88%; special disciplines - 100%.

Table 6 - Personnel involved in the implementation of the EP

Academic year	Total number of TS	Of which Doctors of Science	Of these, PhDs	Of which PhD	Of which masters	Of them without a degree
2016-2017	52	21	22	2	7	-
2017-2018	38	14	17	1	5	-
2018-2019	34	11	16	4	3	-
2019-2020	35	10	14	2	6	1
2020-2021	28	8	9	3	5	-

When working on a share of rates, all norms of working time are determined proportionally. At the undergraduate level, the teaching load of TS in the 2016-2017 academic year is planned to be no more than 550 hours, in the magistracy - 500 hours and in doctoral studies - 450 hours, from 2016-2017 and subsequent academic years, more than 540 hours are planned at the undergraduate level, 750 hours in the master's and doctoral studies, 540 hours in the 2020-2021 academic year, in the master's and doctoral studies - 680 hours.

Information about the faculty is provided in open access [https://www.kaznaru.edu.kz/page/department/?name=mal\\_sharuashlygy\\_onimderin\\_ondiru\\_tekhnologiiasy&var=okytushyprofessorlar\\_kuramy\\_239&lang=ru](https://www.kaznaru.edu.kz/page/department/?name=mal_sharuashlygy_onimderin_ondiru_tekhnologiiasy&var=okytushyprofessorlar_kuramy_239&lang=ru)

The management of the EP provides monitoring of the activities of the TS, a systematic assessment of the competence of teachers, a comprehensive assessment of the quality of classes, including an assessment of the satisfaction of teachers and students. The TS is systematically surveyed on the issue of the conditions and organization of work of teachers and various aspects of teaching work at the university, which shows: a lack of educational and methodological literature - 11.2%, insufficient consideration of employers' requests - 3.5%, a weak basic level of training of students - 11.4% and in satisfaction with the opportunities that the university administration provides for this - 62.6% of respondents are fully and partially satisfied.

The advanced training of the TS of the university is coordinated by the IPC in accordance with the University Development Strategy for 2020-2024 and is carried out during the entire career of the teacher, i.e. a modern system of continuous education has been created. This is not only advanced training, professional retraining, but also many short-term courses.

With the support of the World Bank for Development, English courses were organized at the university in 2018, where 6 teachers of the department received certificates.

At the department there are holders of the title «The best teacher of the university» and the state grant: Sadykulov T.S., Nurgazy K.Sh., Adylkanova Sh.R.

The University conducts targeted work on the training and retraining of scientific and pedagogical personnel, for young teachers it conducts «Professional training» intra-university courses on a 48-hour program consisting of 3 modules: «Innovative technologies in teaching with the basics of pedagogy and psychology» IPK annually since 2014 includes in the plan and organizes courses on 72-hour programs: Almaty management University “Improving the level of pedagogical skills”, Vensedor MV LLP and KUT GROUP LLP “Modern trends in teaching in higher education, where various methods are used - gaming, brainstorming, video analysis, group discussion.

The management of the EP demonstrated that the peculiarity of staffing the TS of the department is academic continuity - training of own personnel through training in master's and doctoral PhD programs and involving them in scientific and pedagogical activities.

Table 7 - The total number, staffing and average age of the TS according to the staffing table

Academic years	The total number of TS according to the staffing table pers.	Including staff teachers , pers. (%)	Including, part-time workers, pers. (%)	Average age, years
2016-2017	52	89.7	15.3%	59
2017-2018	38	86.9	13.1%	52
2018-2019	34	94.0	6.0%	51
2019-2020	35	94.3	5.70%	50
2020-2021	28	100	-	48

The dynamics of the average age of the TS shows that over the past two years there has been a rejuvenation of the composition of the TS. In 2016-2017 the average age was 59 years, then in 2017-2018 - 52 years old, in 2018-51, 2019 - 50 years old, 2020 - 48 years old. Rejuvenation is due to the recruitment of scientific and pedagogical personnel of a new formation: 5 masters and 2 PhDs.

As part of the academic mobility at the Department of Livestock Production Technologies, a visiting foreign scientist Marian Brozovsky from the Warsaw University of Natural Sciences together with Professor Sambetbaev A.A. held a master class and delivered problematic lectures on the discipline «Commodity Science and Expertise of Animal Raw Materials» [https://www.kaznaru.edu.kz/page/news/?link=khalykaralyk\\_yntymaktastykty\\_iske\\_asyru\\_1209&lang=ru](https://www.kaznaru.edu.kz/page/news/?link=khalykaralyk_yntymaktastykty_iske_asyru_1209&lang=ru)

According to the program of the Winter and Summer Schools, lectures were given by scientists from the following countries: USA, December 3–16, 2016, Lithuania, 06/12–25/2017, Lithuania, 01/22–02/03/2018, Poland, 01/22–02/03/2018, Lithuania, 06/15–29/2018, Belarus, 15-29.06.2018, Sweden, 11-23.02.2019, Poland, February 11–23, 2019, South Korea February 15–27. 2021, Poland 15–27.02.2021, India, 26.05–0.07.2020, Armenia 15–27.0. 2021 and many scientists from Russia and.

The experts found that the teachers of the department are actively involved in the implementation of research, design and scientific and methodological work, which is confirmed by reports on research and scientific and methodological work, participation in scientific conferences, participate in international and republican conferences, are published in indexed RISC journals, KKSON MES RK journals, Thomson journals Reuters and Scopus . Since 2019, one-time incentives have been provided and implemented for teachers who have published a scientific article in high-ranking journals from 50 to 200 MCI and have TOEFL and IELTS certificates. [https://www.kaznaru.edu.kz/file\\_archive/%D0%A1%D1%82%D0%B8%D0%BC%D0%9F%D0%9F%D0%A1%20\(2\).pdf](https://www.kaznaru.edu.kz/file_archive/%D0%A1%D1%82%D0%B8%D0%BC%D0%9F%D0%9F%D0%A1%20(2).pdf) , [https://www.kaznaru.edu.kz/page/normative\\_doc/?lang=ru](https://www.kaznaru.edu.kz/page/normative_doc/?lang=ru)

#### **Analytical part**

An analysis of the qualitative and quantitative composition of the TS for the training of personnel in the EP «» allowed the experts to conclude that teachers in the educational process widely use various active teaching methods. Innovative learning technologies have been introduced covering all types of educational work (lectures, laboratory and practical, seminars). The university has developed mechanisms and criteria for systematic evaluation and stimulation of the effectiveness of teaching quality [https://www.kaznaru.edu.kz/file\\_archive/%D0%A1%D1%82%D0%B8%D0%BC%D0%9F%D0%9F%D0%A1%20\(2\).pdf](https://www.kaznaru.edu.kz/file_archive/%D0%A1%D1%82%D0%B8%D0%BC%D0%9F%D0%9F%D0%A1%20(2).pdf) , <http://reiting.kaznau.kz/user/login?ReturnUrl=%2f;%3E&lang=ru> , [https://www.kaznaru.edu.kz/page/normative\\_doc/?lang=en](https://www.kaznaru.edu.kz/page/normative_doc/?lang=en) . The TS meets the qualification requirements. There is a “rejuvenation” and gradualization of the staff of the TS due to the recruitment of scientific and pedagogical personnel of a new formation: masters of agriculture and PhDs.

General professional and special disciplines are carried out by 2 academicians of the National

Academy of Sciences of the Republic of Kazakhstan, 1 corresponding member of the National Academy of Sciences of the Republic of Kazakhstan, 8 doctors of sciences, professors, 9 candidates of sciences, associate professors, associate professors, 3 PhD doctors, senior lecturers, 5 masters, senior lecturers. Regularly, the TS of the department undergoes scientific internships, advanced training at leading universities in the CIS countries and far abroad.

Questioning of the TS, conducted during the visit of the EEC IAAR, showed that:

- creation of opportunities for professional and personal growth for each teacher and employee - «very good» - 68.2%, «good» - 29.5% and «relatively bad» - 2.3%;
- the adequacy of the university management 's recognition of the potential and abilities of teachers - «very good» - 59.1%, «good» - 38.6% and «relatively bad» - 2.3%;
- the degree of satisfaction of the TS with the support of the university and its management of their research activities - «very good» - 70.5%, «good» - 29.5%;
- only 56.8 % of TS are satisfied with the level of advanced training, which is 37% lower in a similar survey during the previous accreditation;
- 68.2% of TS believe that the knowledge of students obtained at KazNARU corresponds to the realities of the requirements of the modern labor market.

#### ***Strengths/best practices***

- Compliance of the qualitative composition of the TS with the established qualification requirements, the strategy of the university, the goals of the EP.
- The presence of a motivation mechanism for the professional and personal development of TS.

#### ***Recommendations of the EEC***

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**EEC conclusions by criteria: 2 strong / 8 satisfactory**

### **6.8. Standard "Education Resources and Student Support Systems"**

The management of the EP must demonstrate the sufficiency of material and technical resources and infrastructure.

The management of the EP should demonstrate the existence of procedures for supporting various groups of students, including information and counseling.

The management of the EP must demonstrate the compliance of information resources with the specifics of the EP, including compliance with:

- technological support for students and teaching staff in accordance with educational programs (for example, online learning, modeling, databases, data analysis programs);
- library resources, including a fund of educational, methodical and scientific literature on general education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases;
- examination of the results of research, final works, dissertations for plagiarism;
- access to educational Internet resources;
- functioning of WI-FI on the territory of the educational organization.

The university should strive to ensure that the educational equipment and software used for the development of educational programs are similar to those used in the respective industries.

The university must ensure compliance with safety requirements in the learning process.

The university should strive to take into account the needs of various groups of students in the context of the EP (adults, working, foreign students, as well as students with disabilities).

#### ***The proving Part***

The leadership of the EP has demonstrated that it has sufficient material and technical resources and infrastructure that provide for the needs of the scientific and educational process and the implementation of innovative developments. The university has an extensive infrastructure, which includes administrative and educational and laboratory buildings, educational bases, libraries, auxiliary facilities, dormitories for students, etc.

KazNARU provides high-quality equipment for classrooms and common areas, comfortable and safe conditions for study and recreation, and medical care. University students have free access

to medical care, a library, power supplies and sports halls, sections.

The university has 5 indoor sports halls, an outdoor stadium, and outdoor sports grounds. There are 10 dormitories, all of them have computer and reading rooms, food points, household rooms for cooking hot meals. A network of canteens, buffets and cafes operates in the educational buildings and dormitories of the university to organize student meals. Medical care for employees and students is provided by a first-aid post in the buildings and the Medicare medical center.

The list of visual aids and technical teaching aids available according to EP 6B08201, 7M 08201, 8D08201 - corresponds to the educational goals and programs of the disciplines of the curriculum, in addition, there is a developed fleet of modern personal computers with Internet access, which are used for educational and scientific work of teachers and students.

The department accredited by the EP has 27 computers, 10 of which are equipped with programs that meet all the needs of students, undergraduates and PhD students. Maintenance is carried out at the expense of the services of the university and manufacturing companies. One training center is equipped with 10 computers, 2 classrooms are equipped with an interactive whiteboard or video projectors. The available equipment fully meets the objectives of the educational program. The graduating department of the EP «Technology of livestock production» constantly updates, improves and expands the material and technical base, has 14 classrooms: 3 educational laboratories «Safety and examination of the quality of products and animal raw materials», «Biotechnology of animals» and «Assessment of nutritional value of feed», «Consulting and Information Research Center. Z. Tamshybayeva», classrooms for lectures, classrooms for practical and laboratory classes are equipped with specialized educational furniture, multimedia and laboratory equipment that serve to present a variety of information to a large number of students.

The scientific library of KazNARU consists of 5 departments: reader service, acquisition and organization of literature catalogs and an information bank, methodological work, automation and scientific and bibliographic department and is equipped with telecommunications equipment, communications, electronic equipment, i.e. there are 66 monoblocks, 50 computers, two screens with a projector are installed, it has free access to the Internet, uses Wi-Fi technologies. For independent work of students, there are 12 reading rooms, 860 seats, and readers are served in 2 subscriptions, as well as specialized reading rooms: a scientific reading room, a reading room for periodicals, an electronic reading room.

The fund of the scientific library has 5457 titles (227726 copies) of printed and electronic publications, consisting of educational, educational-methodical, scientific, reference literature and periodicals. University information resources are fully available to students. Access to the Scientific Library is possible on weekdays from 9.00 to 18.00 <http://library.kaznaru.edu.kz/new/?lang=ru>.

To implement the activities of the educational program, the Anti-plagiarism KazNARU functions

[https://www.kaznau.kz/page/events/?link=nuskaulyk\\_antiplagiat\\_zhuiesin\\_paidalanu\\_turaly\\_369&lang=ru](https://www.kaznau.kz/page/events/?link=nuskaulyk_antiplagiat_zhuiesin_paidalanu_turaly_369&lang=ru). In accordance with the principles of academic integrity, the written work of the user of the University must be checked for plagiarism. Written works include: abstracts, essays, as well as semester and term papers, theses (projects), master's and doctoral dissertations (projects), textbooks, teaching aids, monographs and methodological works of TS. Based on the results of passing the check of written work in the Antiplagiarism system, the check is carried out by Strikeplagiarism.com - for graduates and PSS in accordance with the « [Regulations on the use of checking written evaluated works for borrowings](#) » <https://www.kaznaru.edu.kz/file archive/3b222dcf-4e9a-4b3f-867e-aab243f436d7.pdf>. Within the deadlines set for the submission of written work, the user submits a file with a written work to a software engineer for processing in the Antiplagiat system to the email address [antiplagiat@kaznaru.edu.kz](mailto:antiplagiat@kaznaru.edu.kz).

A survey of students conducted during the visit of the EEC IAAR showed that satisfaction:

- availability of academic counseling - 82.1%;
- support with educational materials in the learning process - 88.1%;
- the level of availability of library resources - 82.1%;

- available computer classes - 73.1%.

***Analytical part***

The university evaluates the dynamics of the development of material and technical resources and information support, the effectiveness of using the results of the assessment for adjustments in planning and budget allocation. The development of the material and technical resources of the department is provided at the expense of the state budget, at the expense of scientific topics funded by the PCF, grant and economic contract topics.

Information resources are supported by the university library, through the electronic library it has full access to the advanced electronic libraries of the world, the electronic library of the TS of the university, the Republican Interuniversity Electronic Library, the Russian Universal Electronic Library, the Kazakhstan National Electronic Library.

Book availability of disciplines in this area 6B08201, 7M08201, 8D08201 – Technology of Livestock Production is 100% due to the use of electronic library systems in the educational process. The fund of the scientific library is completed with educational, educational-methodical, scientific, reference literature and periodicals. In the structure of the book fund, the largest share is occupied by educational literature - 55%, educational literature - 8.2%, scientific literature accounts for 21.4%, fiction - 3%. The share of foreign literature is 12.4%.

In order to provide quality educational services, the university has a modern material and technical base and is constantly improving it in accordance with the mission, strategy and goals. There is a positive trend in equipping the material and technical base, library and information resources. The further development of the material and technical base of educational laboratories and the expansion of the possibilities of using information retrieval systems are being carried out.

Thus, we can conclude that the university as a whole and within the cluster, systematic measures are taken to develop resources aimed at ensuring the quality of the educational process and the processes of student support themselves.

***Strengths/best practices***

- Compliance of educational resources, including material and technical, and infrastructure with the goals of the educational program.
- Availability of classrooms, laboratories and other facilities equipped with modern equipment and ensuring the achievement of the goals of the EP.
- Creation of conditions for conducting scientific research, integrating science and education, publishing the results of research work of TS, employees and students.
- Used for the development of educational programs are similar to those used in the relevant sectors of the economy.

***Recommendations of the EEC***

-

**EEC conclusions by criteria: 4 strong / 9 satisfactory**

**6.9. Standard " Public Information"**

The information published by the university within the framework of the EP must be accurate, objective, up-to-date and must include:

- programs being implemented, indicating the expected learning outcomes;
- information on the possibility of awarding qualifications at the end of the EP;
- information about teaching, learning, assessment procedures;
- information about passing scores and learning opportunities provided to students;
- information about employment opportunities for graduates.

The management of the EP should use a variety of ways to disseminate information, including the media, information networks to inform the general public and interested parties.

Informing the public should include support and explanation of the national development programs of the country and the system of higher and postgraduate education.

The university must publish audited financial statements on its own web resource, including in the context of the EP.

The university must demonstrate the reflection on the web resource of information characterizing the university



as a whole and in the context of educational programs.

An important factor is the availability of adequate and objective information about the teaching staff of the EP, in the context of personalities.

An important factor is informing the public about cooperation and interaction with partners within the EP, including scientific / consulting organizations, business partners, social partners and educational organizations.

The university must post information and links to external resources based on the results of external evaluation procedures.

An important factor is the participation of the university and ongoing EPs in various external evaluation procedures.

### ***The proving Part***

The information published by NJSC KazNARU, reflecting the planning processes and the results of evaluating its effectiveness for students, employees and the public, is freely available on its own official website <https://www.kaznaru.edu.kz/>.

To fulfill its public mission, KazNARU, publicly, on the website, provides and regularly publishes fresh, impartial and objective information (quantitative and qualitative) about the SP implemented at the university, as well as the results of the university. Each student has a password and login to enter the official website of the university, AIS «Platonus» <https://es.kaznaru.edu.kz/>.

In exercising its public role, the University is responsible for providing information about the implemented EPs, the expected results of these programs, the qualifications that it assigns, the training and assessment procedures used, and the educational opportunities available to students.

Information about the TS is posted on the website of the university and is available to the public

[https://www.kaznaru.edu.kz/page/department/?name=mal\\_sharuashlygy\\_onimderin\\_ondiru\\_tekhnologiyasy&var=okytushyprofessorlar\\_kuramy\\_239&lang=ru](https://www.kaznaru.edu.kz/page/department/?name=mal_sharuashlygy_onimderin_ondiru_tekhnologiyasy&var=okytushyprofessorlar_kuramy_239&lang=ru)

The information and feedback system for students, employees and stakeholders effectively functions through the official website, corporate e-mail of university employees, the personal page of the rector of the university, there is a «Box of suggestions and feedback» in the dean's offices of each faculty.

The university on its website places information on the external assessment of the National Rating Agencies <https://iaar.agency/> <https://iqaa.kz/ru/> <https://rrranking.com/> <https://atameken.kz/>, where achievements in the EP are reflected. Informing the public about the methods and results of the implementation of the EP is carried out by supporting the main provisions of the current national development programs of the country, such as the Strategy «Kazakhstan-2050», which focuses the attention of the state and society on the long-term priority «Knowledge and professional skills - key guidelines for the modern education system, training and retraining of personnel».

Information about the specialties of the university and the rules of admission is regularly posted on the applicant's page of the university website and in the media. For example: the article «Jazz didars Zhazylbek ata « published in the newspaper «Ontustik Kazakhstan».

The rector's blog provides an opportunity for feedback for students and their parents, employees, TS, employers, and members of the public. Through the website of the university, it is possible to make an appointment with the rector of the university for all interested persons. Vice-rectors and heads of departments are given the opportunity to come in with work questions without an appointment during the working hours. At the same time, everyone can apply personally through the rector's blog on the university website [https://www.kaznaru.edu.kz/page/blog\\_rector/?link=omirbaian\\_509&lang=ru](https://www.kaznaru.edu.kz/page/blog_rector/?link=omirbaian_509&lang=ru)

Public information is also carried out through social networks:

<https://vk.com/kaznau1929>

<https://www.facebook.com/>

[https://www.instagram.com/kaznau\\_people/](https://www.instagram.com/kaznau_people/)

[https://twitter.com/kaznau\\_universi](https://twitter.com/kaznau_universi) Activity in social networks can be seen on the main page of the site.

The website of the department [https://www.kaznaru.edu.kz/page/specialty/?name=mal\\_sharuashlygy\\_onimderin\\_ondiru\\_tekhnol](https://www.kaznaru.edu.kz/page/specialty/?name=mal_sharuashlygy_onimderin_ondiru_tekhnol)

[ogiiasy&lang=ru reflects complete objective](#) information about the specifics of educational programs with learning outcomes and assigned professional qualifications. Through the site, students can access university resources in the form of links, receive up-to-date information about new opportunities for academic mobility, internships, etc.

The modern site of NJSC KazNARU is the hallmark of the university and provides the image of a university focused on the student and production requirements. Information on the site is constantly updated.

#### ***Analytical part***

In general, when analyzing the Public Informing standard, it confirms the availability of information resources: a website, social networks, where the university provides information about the services provided and areas of activity, including within the framework of accredited educational programs.

Experts note that the website of the university provides information on the rules for admission of applicants, educational programs, terms and form of training, contact information, but not all areas of the university's activities are covered.

The Commission of the EEC IAAR found that there are no audited financial statements on the website of NJSC KazNARU in the context of accredited EPs.

#### ***Strengths/best practices***

Within the framework of the Public Information Standard, no strong positions were identified.

#### ***Recommendations of the EEC***

- the university management to publish on its website the audited financial statements in dynamics for the accredited EPs by the beginning of the 2022/23 academic year.

**EEC conclusions by criteria: 11 satisfactory / 1 suggest improvement**

### (VI) OVERVIEW OF STRENGTHS/BEST PRACTICES OF EACH STANDARD

#### **Standard Management of Educational Program**

- The quality assurance policy should reflect the relationship between research, teaching and learning;

- The management of the EP ensures the transparency of the development plan for the development of the EP based on an analysis of its functioning, the real positioning of the university and the focus of its activities on meeting the needs of the state, employers, stakeholders and students;

- The university must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals.

#### **Standard Information Management and Reporting**

-Availability of educational resources and support systems for students.

#### **Standard Development and approval of the Educational Programme**

No strengths have been identified within this Standard.

#### **Standard On-Goig Monitoring and Periodic Review of Educational Programme**

No strengths have been identified within this Standard.

#### **Standard Student-Centered Learning, Teaching and Performance Evaluation**

Providing teaching based on modern achievements of world science and practice in the field of training, using various modern teaching methods and evaluating learning outcomes that ensure the achievement of the goals of the EP, including competencies, skills to perform scientific work at the required level.

### **Standard Students**

The presence of a mechanism to support gifted students.

### **Standard Teaching Staff**

- Compliance of the qualitative composition of the TS with the established qualification requirements, the strategy of the university, the goals of the EP.
- The presence of a motivation mechanism for the professional and personal development of TS.

### **Standard Education Resources and Student Support Systems**

- Compliance of educational resources, including material and technical, and infrastructure with the goals of the educational program.
- Availability of classrooms, laboratories and other facilities equipped with modern equipment and ensuring the achievement of the goals of the EP.
- Creation of conditions for conducting scientific research, integrating science and education, publishing the results of research work of TS, employees and students.
- Used for the development of educational programs are similar to those used in the relevant sectors of the economy.

### **Standard Public Information**

Within the framework of the Public Information Standard, no strong positions were identified.

## **(VIII) OVERVIEW OF RECOMMENDATIONS ON QUALITY IMPROVEMENT**

### **Standard Management of Educational Program**

- by the end of 2022, the graduating department at accredited EPs should develop a plan to increase the number of teachers who are fluent in English in order to ensure that educational programs comply with the leading trends in the national education policy (multilingual education) and continue its high- quality implementation.

### **Standard Information Management and Reporting**

- the management of the EP to develop a Career Guidance Plan to attract a contingent by the end of the 2021-2022 academic year.

### **Standard Development and approval of the Educational Programme**

- the management of the EP is recommended to constantly involve representatives of state institutions in the field of agriculture for the review of the EP.

### **Standard On-Goig Monitoring and Periodic Review of Educational Programme**

-

### **Standard Student-Centered Learning, Teaching and Performance Evaluation**

-

### **Standard Students**

- by the end of the 2021-2022 academic year , the management of the EP to develop an effective work plan to attract a contingent ;
- the leadership of the university on an ongoing basis to hold round tables with graduates of recent years to exchange experience and integrate them into the alumni association.

**Standard Teaching Staff**

-

**Standard Education Resources and Student Support Systems**

-

**Standard Public Information**

- the university management to publish on its website the audited financial statements in dynamics for the accredited EPs by the beginning of the 2022/23 academic year.

**(IX) REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF THE EDUCATIONAL ORGANIZATION**

No

**(X) RECOMMENDATION TO THE ACCREDITATION BOARD**

The members of the EEC came to the unanimous opinion that EP 6B08201, 7M08201, 8D08201 – Technology of Livestock Production recommends the as a loan for a period of 5 years

Appendix 1. Evaluation table "SPECIALIZED PROFILE PARAMETERS"

№ п\п	№ п\п	Evaluation Criteria	The position of the educational organization			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard Management of Educational Program						
1	1	The university should demonstrate the development of the goal and strategy of EP development based on the analysis of external and internal factors with wide involvement of a variety of stakeholders		+		
2	2	The quality assurance policy should reflect the link between research, teaching and learning	+			
3	3	The university demonstrates the development of a quality assurance culture		+		
4	4	Commitment to quality assurance should apply to any activities performed by contractors and partners (outsourcing), including the implementation of joint / double degree education and academic mobility		+		
5	5	EP leadership ensures the transparency of the development plan of EP based on the analysis of its functioning, the real positioning of the university and the orientation of its activities to meet the needs of the state, employers, stakeholders and learners	+			
6	6	Management of EP demonstrates the functioning of		+		

		mechanisms for formation and regular revision of EP development plan and monitoring of its implementation, assessment of EP goals achievement, compliance with the needs of students, employers and society, making decisions aimed at continuous EP improvement				
7	7	Management of EP must involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of the EP development plan		+		
8	8	Management of EP must demonstrate the individuality and uniqueness of the development plan of EP, its coordination with national development priorities and the development strategy of the educational organization		+		
9	9	The university must demonstrate a clear definition of those responsible for business processes within SP, distribution of staff duties, delineation of functions of collegial bodies		+		
10	10	The EP management ensures the coordination of activities of all persons involved in the development and management of EP and its continuous implementation, as well as the involvement of all stakeholders in this process		+		
11	11	The management of the EP must ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, making appropriate decisions		+		
12	12	The management of EP should carry out risk management		+		
13	13	EP management should ensure the participation of representatives of stakeholders (employers, teaching staff, students) in the collegial management bodies of the educational program, as well as their representativeness in decision-making on the management of the educational program		+		
14	14	The university must demonstrate innovation management within the EP, including analysis and implementation of innovative proposals	+			
15	15	Management of EP must demonstrate its openness and accessibility for students, teaching staff, employers and other stakeholders		+		
16	16	EP leaders must confirm the training in education management programs		+		
17	17	The EP leadership should strive to ensure that the progress achieved since the last external quality assurance procedure is taken into account in preparation for the next procedure		+		
Total by standard			<b>3</b>	<b>14</b>		
Standard Information Management and Reporting						
18	1	The university must ensure the functioning of the system of collection, analysis and management of information on the basis of modern information and communication technologies and software		+		
19	2	EP management demonstrates the systematic use of processed, adequate information to improve the internal system of quality assurance		+		
20	3	the EP management demonstrates the availability of the		+		

		reporting system, reflecting the activities of all structural divisions and departments within the EP, including an assessment of their performance				
21	4	The university should determine the frequency, forms and methods of evaluation of management of EP, activities of collegial bodies and structural divisions, senior management		+		
22	5	The university should demonstrate a mechanism to ensure the protection of information, including the definition of responsible persons for the reliability and timeliness of the analysis of information and data provision		+		
23	6	The university should demonstrate the involvement of students, staff and faculty in the processes of collection and analysis of information, as well as decision-making on their basis		+		
24	7	EP management must demonstrate the availability of mechanisms of communication with students, employees and other stakeholders, including conflict resolution		+		
25	8	The university should ensure the measurement of the degree of satisfaction of the needs of the faculty, staff and students within the EP and demonstrate evidence of the elimination of detected deficiencies		+		
26	9	The university must assess the effectiveness and efficiency of activities, including in the context of EP		+		
		The information collected and analyzed by the university in the framework of EP, must take into account:				
27	10	key performance indicators		+		
28	11	The dynamics of the contingent of students in the context of forms and types		+		
29	12	level of academic progress, student achievements and drop-out rates		+		
30	13	Student satisfaction with realization of EP and quality of education at HEI		+		
31	14	Availability of educational resources and support systems for students	+			
32	15	Employability and career growth of graduates		+		
33	16	Students, staff and faculty should provide documented consent for processing personal data		+		
34	17	Management of EP must contribute to the provision of all necessary information in relevant fields of science		+		
Total by standard			<b>1</b>	<b>16</b>		
Standard Development and approval of the Educational Programme						
35	1	The university must demonstrate the existence of a documented procedure for developing the EP and its approval at the institutional level		+		
36	2	The university must demonstrate compliance of the developed EP with the established objectives and planned learning outcomes		+		
37	3	The EP management must determine the influence of disciplines and professional practices on the formation of learning outcomes		+		

38	4	The university should be able to demonstrate the availability of EP graduate model, describing learning outcomes and personal qualities		+		
39	5	The qualification awarded upon completion of the EP should be clearly defined, explained and correspond to the defined level of NSC, QF-EHEA		+		
40	6	Management of EP should demonstrate the modular structure of the program, based on the European Credit Transfer and Accumulation System (ECTS), ensure compliance of EP, its modules (in content and structure) with the goals set, focusing on the achievement of planned learning outcomes		+		
41	7	The management of the EP must ensure that the content of academic disciplines and learning outcomes are consistent with each other and with the level of study (bachelor, master, doctorate)		+		
42	8	The EP management must demonstrate the external expertise of the EP		+		
43	9	the EP management must provide evidence of participation of students, teaching staff and other stakeholders in the development of EP, quality assurance		+		
44	10	to demonstrate the EP positioning at the educational market, (regional / national / international), its uniqueness		+		
45	11	an important factor is the possibility to prepare students for professional certification		+		
46	12	important factor is the presence of double-diploma EP and / or joint EP with foreign universities		+		
Total by standard				<b>12</b>		
Standard On-Goig Monitoring and Periodic Review of Educational Programme						
47	1	The university must ensure the revision of the content and structure of EP taking into account changes in the labor market, employers' requirements and social demands of society		+		
48	2	The University is obliged to demonstrate the availability of documented procedures for monitoring and periodic assessment of EP to achieve the purpose of EP. The results of these procedures are aimed at the constant improvement of EP		+		
		The monitoring and periodic evaluation of EP must consider		+		
49	3	program content in the context of recent advances in discipline-specific science and technology		+		
50	4	changes in the needs of society and professional environment		+		
51	5	the workload, performance and graduation rates of students				
52	6	Effectiveness of evaluation procedures for students		+		
53	7	The needs and satisfaction of students		+		
54	8	The relevance of the educational environment and support services to the objectives of the EP		+		
55	9	All stakeholders should be informed of any actions planned or taken with regard to the EP. All changes made to the EP		+		

		must be published.				
56	10	Support services should identify the needs of different groups of students and the degree of their satisfaction with the organization of learning, teaching, assessment, mastering the EP in general		+		
Total by standard				<b>10</b>		
Standard Student-Centered Learning, Teaching and Performance Evaluation						
57	1	Management of EP must ensure respect and attention to different groups of students and their needs, providing them with flexible learning paths		+		
58	2	EP governing body has to provide teaching based on modern achievements of world science and practice in the field of training, the use of various modern methods of teaching and learning outcomes assessment, ensuring the achievement of EP goals, including competencies, skills to perform scientific work at the required level		+		
59	3	the management of EP should determine the mechanisms for distribution of the academic load of students between theory and practice within EP, ensuring the mastering of the content and achievement of EP goals by each graduate		+		
60	4	the important factor is the availability of own research in the field of teaching methodology of EP disciplines		+		
61	5	The university must ensure that the procedures for assessing learning outcomes correspond to the planned results and objectives of EP		+		
62	6	The university should ensure consistency, transparency and objectivity of the mechanism of EP learning outcomes assessment. Criteria and methods of learning outcomes assessment should be published in advance		+		
63	7	Evaluators must know up-to-date methods of assessing learning outcomes and regularly improve their qualification in this field		+		
64	8	EP leaders must demonstrate the availability of a feedback system on the use of various techniques of teaching and assessment of learning outcomes		+		
65	9	EP supervisors must demonstrate support for learner autonomy while being guided and assisted by a faculty member		+		
66	10	EP supervisors must demonstrate that there is a process for responding to learner complaints		+		
Total by standard				<b>10</b>		
Standard Students						
67	1	The university must demonstrate a policy of formation of the contingent of students and ensure the transparency of its procedures. Procedures regulating the lifecycle of students (from admission to completion) should be defined, approved, published		+		
68	2	EP leaders must foresee special adaptation and support programs for newcomer and international students		+		



69	3	The university should demonstrate compliance of its actions with the Lisbon Recognition Convention, including the existence and application of a mechanism for the recognition of the results of academic mobility of students, as well as the results of additional, formal and informal learning		+		
70	4	The university should ensure the possibility of external and internal academic mobility of students, as well as to assist them in obtaining external grants for study		+		
71	5	The university should actively encourage students to self-education and development beyond the basic program (extracurricular activities)		+		
72	6	An important factor is the existence of a mechanism to support gifted students	+			
73	7	The university should demonstrate cooperation with other educational organizations and national centers of "European Network of National Academic Recognition and Mobility Information Centers/National Academic Recognition Information Centers" ENIC/NARIC in order to ensure a comparable recognition of qualifications		+		
74	8	The university is obliged to provide the students with internships, to demonstrate a procedure of facilitating the employment of graduates, to maintain a connection with them		+		
75	9	the university should demonstrate a procedure of issuing the graduates the documents confirming the obtained qualification, including the achieved results of education		+		
76	10	EP supervisors should demonstrate that graduates of the program have skills that are in demand in the labor market and that these skills are really in demand in the labor market		+		
77	11	EP supervisors should demonstrate that there is a mechanism to monitor the employment and professional activities of graduates		+		
78	12	An important factor is the existence of a functioning alumni association/association		+		
Total by standard			1	11		
Standard Teaching Staff						
79	1	The university should have an objective and transparent personnel policy in the context of EP, including recruitment (including guest faculty), professional growth and development of staff, ensuring the professional competence of all staff		+		
80	2	The university must demonstrate compliance of the qualitative composition of teaching staff with the established qualification requirements, the strategy of the university, and the goals of EP	+			
81	3	The EP management must demonstrate a change in the role of the faculty in connection with the transition to student-centered learning and teaching		+		
82	4	The university should offer opportunities for career growth and professional development of teaching staff, including young faculty		+		

83	5	The university should involve to the teaching specialists from relevant industries that have professional competencies that meet the requirements of the program		+		
84	6	The university should demonstrate a mechanism of motivation for professional and personal development of the teaching staff	+			
85	7	The university should demonstrate a wide use of information and communication technologies and software in the educational process (for example, on-line learning, e-portfolio, MOOCs, etc.)		+		
86	8	The university should demonstrate a focus on the development of academic mobility, attracting the best foreign and domestic faculty		+		
87	9	The university should demonstrate the involvement of each faculty member in promoting a culture of quality and academic integrity in the university, to determine the contribution of the teaching staff, including invited ones, in achieving the goals of EP		+		
88	10	An important factor is the involvement of teaching staff in the development of economy, education, science and culture of the region and country		+		
Total by standard			<b>2</b>	<b>8</b>		
<b>Standard Education Resources and Student Support Systems</b>						
89	1	The university should guarantee the compliance of educational resources, including material and technical, and infrastructure to the objectives of the educational program	+			
90	2	Management of EP should demonstrate the availability of classrooms, laboratories and other facilities, equipped with modern equipment and ensuring the achievement of the goals of EP		+		
		The university must demonstrate compliance of information resources with the needs of the university and the implemented EP, including in the following areas:				
91	3	technological support for students and faculty in accordance with educational programs (e.g., online learning, modeling, databases, data analysis programs)		+		
92	4	library resources, including a fund of educational, methodical and scientific literature on general, basic and major disciplines in hard and soft copy, periodicals, access to scientific databases		+		
93	5	expertise of the results of research, graduate works, dissertations for plagiarism		+		
94	6	access to educational Internet resources		+		
95	7	functioning of WI-FI on its territory		+		
96	8	The university should demonstrate that it creates conditions for scientific research, integration of science and education, publication of the results of research work of the teaching staff, employees and students	+			
97	9	The university should strive to ensure that the educational equipment and software used to master educational programs were similar to those used in the relevant industries	+			

98	10	It is necessary to demonstrate the availability of procedures to support different groups of students, including information and consulting		+		
99	11	EP management must demonstrate the availability of conditions for advancement of the student on an individual educational trajectory		+		
100	12	The university must consider the needs of different groups of students (adults, working, foreign students, as well as students with special educational needs)		+		
101	13	The university must ensure compliance of the infrastructure with the safety requirements		+		
Total by standard			<b>3</b>	<b>10</b>		
Standard Public Information						
102	1	The information published by the university should be accurate, objective, relevant and reflect all activities of the university in the framework of the educational program		+		
103	2	Informing the public should support and explain the national development programs of the country and the system of higher and postgraduate education		+		
104	3	The university management should use a variety of ways to distribute information (including the media, Web resources, information networks, etc.) to inform the general public and stakeholders		+		
		The information published by the university about the educational program should be objective and relevant and include:		+		
105	4	the purpose and planned results of the EP, the qualification to be awarded		+		
106	5	information and system of evaluation of academic achievements of students		+		
107	6	information on academic mobility programs and other forms of cooperation with partner universities, employers		+		
108	7	information on possibilities of development of personal and professional competences of students and employment		+		
109	8	data reflecting the positioning of EP in the market of educational services (at regional, national, international levels)		+		
110	9	an important factor is the publication of reliable information about teaching staff in open resources, in the context of personalities		+		
111	10	The higher education institution must publish an audited financial report on SP on its own web-resource			+	
112	11	The university should publish information and links to external resources on the results of external evaluation procedures		+		
113	12	An important factor is to place information on cooperation and interaction with partners, including scientific/consulting organizations, business partners, social partners and educational organizations		+		
Total by standard				<b>11</b>	<b>1</b>	
Total			<b>9</b>	<b>103</b>	<b>1</b>	

## Appendix 2. Program of the visit of the external expert commission

**PROGRAM**  
**VISIT OF THE EXTERNAL EXPERT COMMISSION**  
**INDEPENDENT ACCREDITATION AND RATING AGENCY (IAAR)**  
**TO KAZAKH NATIONAL AGRICULTURAL RESEARCH UNIVERSITY**

Date of the visit: 02-04 MARCH 2022

<b>Cluster 1</b>	6B07207-Technology of food products 7M07207-Technology of food products (by industry) 6B07208-Technology of processing industries (by industry) 7M07208-Technology of processing industries (by industry)	<b>Cluster 3</b>	6B08201-Technology for the production of livestock products 7M08201-Technology for the production of livestock products 8D08201-Technology for the production of livestock products
<b>Cluster 2</b>	6B07501-Standardization and certification (by industry) 7M07501-Standardization and certification (by industry) 8D07501-Standardization and certification (by industry)	<b>Cluster 4</b>	8D09101-Veterinary medicine 8D09102-Veterinary sanitation

Date and time	EEC work with target groups	Position, Surname, First Name, Patronymic target group members	Contact form
<i>February 28, 2022</i>			
<b>15.00-16.00</b> <i>According to the time of Nur-Sultan</i>	Preliminary meeting of the EEC	<i>External IAAR experts</i>	Join a Zoom meeting <a href="https://us02web.zoom.us/j/6813032588">https://us02web.zoom.us/j/6813032588</a> Conference ID: 681 303 2588
<b>On schedule during the day</b>	Arrival of members of the External Expert Commission		

**Day 1: March 2, 2022**

<b>08.30-09.00</b>	Transfer from the hotel to the University	<i>External experts IAAR, coordinator from the University</i>	Hotel-University
<b>10.00-10.15</b>	Distribution of responsibility of experts, solution of organizational issues	<i>External IAAR experts</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
<b>10.15 –10.45</b>	Meeting with management	<i>Chairman of the Board - Rector <b>Espolov Tlektas Isabayevich</b> Deputy Chairman of the Board - Provost <b>Tireuov Kanat Maratovich</b> Deputy Chairman of the Board - Rector <b>Ibragimov Primkul Sholpankulovich</b> Vice-Rector for Strategy, Infrastructure Development, Digitalization and Legal Affairs <b>Balieva Zagipa Yakhyanovna</b> Chief of Staff <b>Sihimbaev Serik Dzholdasbekovich</b> Vice-rector for academic and educational work <b>Kalykova Bakyt Baimuratkyzy</b> Vice-Rector for Research and International Relations <b>Islamov Yesenbay Israilovich</b> Vice-rector for educational and social work <b>Daurenbayeva Zhanara Abzhanovna</b> Financial Director <b>Kaldybalina Gaukhar Mukhanovna</b> Infrastructure Development Director <b>Kozhageldiev Bekbergen Tlepbergenovich</b> Head of the transformation office <b>Alekseeva Marina Alexandrovna</b></i>	Situation room  Conference hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
<b>10.45-11.00</b>	Technical break		
<b>11.00-11.40</b>	Meeting with heads of structural divisions	<i>Compliance officer <b>Abdikeshov Marat Kalybaevich</b></i>	Situation room

		<p><i>Head of the Human Resources Development Department <b>Saudabayeva Daria Ermagambetovna</b></i>  <i>Head of the Department of Strategic Development <b>Nuralieva Elmira Tastanovna</b></i>  <i>Director of the Department for Academic Affairs <b>Satmurzaev Asan Adasbekovich</b></i>  <i>Head of the Department for Educational and Methodological Work and the Quality of Educational Programs <b>Kusainova Zhanar Abikenovna</b></i>  <i>Head of the Center for Monitoring the Quality of Education <b>Serikbaev Abdukarim Userovich</b></i>  <i>Head of the educational department <b>Koishibaev Azamat Mardenovich</b></i>  <i>Head of the Department of Practice and Employment <b>Yesimova Bakhytgul Dauletbekovna</b></i>  <i>Head of the department for the organization of academic studies <b>Saginbayeva Sveta Pernebaevna</b></i>  <i>Head of Department, Registration and Documents Office</i>  <i>students <b>Zhamekova Zhazira Zhetesovna</b></i>  <i>Head of the department for managing applicants <b>Bekbayeva Dinara Nusipovna</b></i>  <i>Head of the distance learning sector <b>Mahamedova Baglan Yakupbaevna</b></i>  <i>Head of the Quality Management System Sector <b>Sarsekeeva Gulnar Zhatkambaevna</b></i>  <i>Director of the Institute of Postgraduate Education <b>Aldiyarova Ainura Esirkepovna</b></i>  <i>Head of PhD Sector <b>Suleymanova Gulnur Almasovna</b></i>  <i>Head of the Center for Accreditation and Rating <b>Kaipbaev Erbolat Tolganbaevich</b></i></p>	<p>Conference hall  Join a Zoom meeting  <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a>  Conference ID: 844 7892 6368</p>
		<p><i>Director of the Institute for Advanced Studies <b>Shametov Nurtaza Rashevich</b></i>  <i>Director of the Department of International Cooperation <b>Omirzhanov Yesbol Toktarbekovich</b></i>  <i>Head of the International Rating Department <b>Abzal Askarbekovich Abdramanov</b></i>  <i>Head of the Center for Academic Mobility and International Educational Programs <b>Manapova Azhar Shaganovna</b></i>  <i>Director of the Department of Science <b>Baibolov Asan Erbolatovich</b></i>  <i>Head of the Department for Planning and Coordination of Research and Development, Expertise of Projects <b>Akhmetkanova Gulnar Amankeldievna</b></i>  <i>Head of the Department of NTI and attestation of scientific personnel <b>Serikov Maksat Serikuly</b></i>  <i>Department for educational work <b>Aubakirov Nuryngan Parzhanovich</b></i>  <i>Deputy director of the Institute of social and humanitarian education and upbringing. <b>O.Suleimenova Eralieva Asima Shanbaevna</b></i>  <i>Head of the Center for Youth Affairs <b>Smanov Ashirali</b></i>  <i>Center for the formation of anti-corruption culture "Parasat" <b>Mauyaeva Sandugash Tanirbergenkyzy</b></i>  <i>Director of the Institute of Information Technologies <b>Dospanbetova Aida Malikovna</b></i>  <i>Director of the Scientific Library <b>Aytuarova Aziza Maldybaevna</b></i></p>	
<p>11.40-11.50</p>	<p>Technical break</p>		

11.50-12.30	Interviews with deans and department heads	<p>Dean of the Faculty "Technologies and bioresources" <b>Buralkhiev Batyrkhan Azimkhanovich</b></p> <p>Dean of the Faculty "Veterinary" <b>Dzhanabekova Gulmira Kumiskaliyeva</b></p> <p>Head department "Technology and food safety" <b>Mamaeva Laura Asilbekovna</b></p> <p>Head Department of "Technology of production of livestock products" <b>Islamov Yesenbay Israilovich</b></p> <p>Head Department "Obstetrics, surgery and biotechnology of animal reproduction" <b>Usenbekov Yesengali Serikovich</b></p> <p>Head Department "Clinical veterinary medicine" <b>Alikhanov Kuantar Daulenovich</b></p> <p>Head Department "Biological safety" <b>Sansyrbay Abylay Rysbayuly</b></p> <p>Head Department "Microbiology, Virology and Immunology" <b>Kirkimbaeva Zhumagul Styambekovna</b></p> <p>Head Department "Veterinary Sanitary Expertise and Hygiene" <b>Sarsembayeva Nurzhan Bilebaevna</b></p>	<p>Situation room</p> <p>Conference hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p> <p>Conference ID: 844 7892 6368</p>
12.30-12.45	Technical break		
12.45-13.00	EEC work	External IAAR experts	<p>Small Hall, Conference Hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p> <p>Conference ID: 844 7892 6368</p>
13.00-14.00	<i>Dinner</i>		
14.00-14.15	Technical break		
14.15-15.00	Interview with teaching staff	<i>Application No. 1</i>	<p>Situation room</p> <p>Conference hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p>
			Conference ID: 844 7892 6368
15.00-15.15	Technical break		
15.15-16.00	Questioning of teaching staff	<i>Application No. 2</i>	The link is sent to the e-mail of the teacher personally
15.15-16.00	Interviews with students	<i>Application No. 3</i>	<p>Small Hall, Conference Hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p> <p>Conference ID: 844 7892 6368</p>
16.00-16.15	Technical break		
16.15-17.00	Questionnaire of students	<i>Application No. 4</i>	The link is sent to the e-mail of the student personally
16.15-17.00	Visual inspection	External IAAR experts	Kazakh-Japanese Innovation Center, Agrotechnological HUB
17.00-18.00	Work of the EEC discussion of the results of the first day	External IAAR experts	<p>Small Hall, Conference Hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p> <p>Conference ID: 844 7892 6368</p>
18.00-19.00	Supper	External IAAR experts	Hotel
<b>Day 2: March 03, 2022</b>			
08.30-09.00	Transfer from the hotel to the University	External experts IAAR, coordinator from the University	Hotel-University
09.00-09.15	EEC work	External IAAR experts, deans, department heads	<p>Small Hall, Conference Hall</p> <p>Join a Zoom meeting</p> <p><a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a></p> <p>Conference ID: 844 7892 6368</p>
09.15-10.50	Scheduled class attendance	<i>Application No. 5</i>	Educational buildings No. 10 and No. 11
09.15-10.50	Working with department documents	<i>Meeting with the heads of the department and teaching staff</i>	
10.50-12.10	Technical break		

12.10-12.45	Interviews with representatives of practice bases and employers	<i>Application No. 6</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
12.45-12.55	Technical break		
13.00-14.00	<i>Dinner</i>		
14.00-14.15	Technical break		
14.15-14.55	Alumni Interviews	<i>Application No. 7</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
14.55-15.05	Technical break		
15.05-18.15	Visiting practice bases	<i>LAAR External Experts, Deans, Head of Practice and Employment Department, Heads of Department</i>	LLP "Bayserke - Agro", Kazakh Research Institute of Processing and Food Industry
18.15-18.30	EEC work, discussion of the results of the second day and profile parameters	<i>External LAAR experts</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
18.30-19.30	Supper	<i>External LAAR experts</i>	Hotel
<b>Day 3: March 04, 2022</b>			
08.30-09.00	Transfer from the hotel to the University	<i>External experts LAAR, coordinator from the University</i>	Hotel-University
09.00-10.00	EEC work development and discussion of recommendations	<i>External LAAR experts</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
10.00-10.20	Technical break		
10.20-12.30	EEC work discussion,	<i>External LAAR experts</i>	Small Hall, Conference Hall

	decision-making by voting		Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
12.30-13.00	Final meeting of the EEC with the leadership of the university	<i>Rector, vice-rectors, deans, heads of department</i>	Situation room Conference hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
13.00-14.00	<i>Dinner</i>		
14.00 15.00	Work of the EEC, Discussion of the results of the quality assessment	<i>External LAAR experts</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368
15.00-15.15	Technical break		
15.15-18.00	Work of the EEC, Discussion of the results of the quality assessment	<i>External LAAR experts</i>	Small Hall, Conference Hall Join a Zoom meeting <a href="https://us02web.zoom.us/j/84478926368">https://us02web.zoom.us/j/84478926368</a> Conference ID: 844 7892 6368

## Appendix 3. Results of the survey of teaching staff

Total number of profiles: 44  
 Technology of food products 13.6%  
 Technology of Processing Industries (by industry) 15.9  
 Standardization and Certification (by industry) 18.2  
**Technology of Livestock Production 22.7**  
 Veterinary Medicine 18.2  
 Veterinary Sanitation 11.4

## 2. Position

Professor	36.4
Associate Professor/Associate Professor	15.9
Senior Lecturer	18.2
Teacher	15.9
Head Chair	2.3
Other	11.4

## 3. Academic degree, academic title

Honored Worker	
Doctor of Sciences	18.2
candidate of science	47.7
Magister	25
PhD	6.8
Professor	2.3
Assistant professor/associate professor	11.4
Not	2.3
Other	

## 4. Work experience in this university

Less than 1 year	
1 year - 5 years	18.2
Over 5 years	81.8
Other	

**31. Why do you work in this university?**

patriotism

my specialty is here!!!

I chose it because of the university's educational program and all the conditions

Graduate of this university

compliance specialty

Stable high salary, the opportunity to participate in scientific projects (obtaining additional income), advanced training through grants

The university trained good specialists and trained competitive students

There is an opportunity to implement projects (educational, scientific, social)

I chose it because it is a highly competitive institution that trains good specialists

I am the son of a shepherd, I love my profession

I like this university

I chose KazNARU due to the educational process of teachers and the creation of all conditions for students while studying for a master's degree.



I like to work in this university great prospects

Conditions for effective work have been

My profession is a veterinarian, I pass on my experience and skills to students

Patriotism

Specialist. university

I graduated from this university and there was a desire to work in this

I'm used to working here, good atmosphere, good staff

like the profession

Good team, good pay and lots of opportunities Along with teaching, he has a great influence on science

Good preparation of students

I felt that I needed to spread my knowledge

It is a research university with a special status in the country, with all the conditions

I really love my profession because it is compassionate

Because I am sympathetic to my profession

Career growth

Much attention is paid to experience and professional development First of all, because it is a leading university among agricultural universities, it occupies a leading position, it is included in the world's reputable laboratories equipped with modern equipment

The university is competitive in the Republic of Kazakhstan. Corresponds to all categories

Good pay and career growth

I like the profession of a veterinarian, for nothing it says "Medicine treats a person-veterinary medicine humanity!"

I work at the Kazakh National Agrarian Research University, as the university management has created all the necessary conditions for the development of the teaching staff

Because I am a graduate of this university

I have chosen as a platform for the useful and effective implementation of my knowledge and academic degree

I had to choose this university in order to continue my career in veterinary medicine

**32. How often do you have workshops and workshops with practitioners as part of your course?**

very often	often	sometimes	rarely	never
43.2	50	2.3	4.5	

**33. How often do invited teachers (domestic and foreign) participate in the learning process?**

very often	often	sometimes	rarely	never
27.3	61.4	11.4		

**34. How often do you encounter the following problems in your work: (please give an answer in each line)**

Questions	Often	Sometimes	Never	Didn't answer
Lack of classrooms		68.2	31.8	
Unbalanced study load by semesters		18.2	81.8	
Unavailability of necessary literature in the library		18.2	81.8	
Overcrowding of study groups (too many students in the group)		18.2	81.8	
Inconvenient schedule		15.9	84.1	
Inappropriate conditions for classes in		13.6	86.4	

classrooms				
No internet access/weak internet		31.8	68.2	
Students' lack of interest in learning		20.5	79.5	
Untimely receipt of information about events		9.1	90.9	
Lack of technical teaching aids in classrooms		25	75	-
Other problems	There are no problems no problem no There were no problems- There was no problem No problem No other problems either. Salary is not correct no problem no problem There were no other problems Requires computer upgrades There are no problems			

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

Questions	Completely satisfied (1)	Partially satisfied (2)	Not satisfied (3)	Difficult to answer(4)
The attitude of the university management towards you	81.8	13.6	4.5	
Relationships with direct management	81.8	13.6	4.5	
Relationships with colleagues in the department	97.7	2.3		
The degree of participation in managerial decision-making	84.1	13.6	2.3	
Relations with students	100			
Recognition of your successes and achievements by the administration	90.9	6.8	2.3	
Support for your suggestions and comments	81.8	13.6	2.3	2.3
University administration activities	79.5	13.6	4.5	2.3
Terms of pay	63.6	22.7	11.4	2.3
Working conditions, list and quality of services provided at the university	84.1	15.9		
Occupational health and safety	93.2	6.8		
Management of changes in the activities of the university	90.9	9.1		
Providing a social package: rest, sanatorium treatment, etc.	54.5	34.1	11.4	
Organization and quality of food at the university	72.7	18.2	6.8	2.3
Organization and quality of medical care	79.5	18.2	2.3	

	Questions	Very good	Good	Relatively bad	Bad	Very bad	Didn't answer
1	To what extent does the content of the educational program meet your scientific and professional interests and needs?	90.9	9.1				
2	How do you assess the opportunities provided by the university for the professional development of teaching staff	77.3	20.5				
3	How do you assess the opportunities provided by the university for the career growth of teaching staff	72.7	27.3				
4	How do you assess the degree of academic freedom of teaching staff	63.6	36.4				
	To what extent can teachers use their own						
5	• Learning strategies	72.7	27.3				
6	• Teaching methods	77.3	22.7				
7	• Educational innovations	68.2	31.8				
8	How do you evaluate the work on the organization of medical care and disease prevention at the university?	65.9	34.1				
9	What attention is paid by the management of the educational institution to the content of the educational program?	72.7	27.3				
10	How do you assess the sufficiency and availability of the necessary scientific and educational literature in the library?	68.2	31.8				
11	Assess the level of conditions created that take into account the needs of different groups of students?	61.4	38.6				
	Assess the openness and accessibility of leadership						
12	• Students	61.4	38.6				
13	• Teachers	54.5	43.2	2.3			
14	Assess the involvement of teaching staff in the process of making managerial and strategic decisions	59.1	38.6	2.3			
15	How is the innovation activity of teaching staff encouraged?	63.6	36.4				
16	Assess the level of feedback from teaching staff with	61.4	38.6				

	management						
17	What is the level of stimulation and involvement of young professionals in the educational process?	68.2	29.5	2.3			
18	Evaluate the created opportunities for professional and personal growth for each teacher and employee	68.2	29.5	2.3			
19	Assess the adequacy of the university management's recognition of the potential and abilities of teachers	59.1	38.6	2.3			
	How the work is delivered						
20	• Academic mobility	61.4	36.4	2.3			
21	• On advanced training of teaching staff	56.8	34.1	9.1			
	Evaluate the support of the university and its management						
22	• Research initiatives of teaching staff	70.5	29.5				
23	• Development of new educational programs / academic disciplines / teaching methods	75	25				
	Assess the level of the teaching staff's ability to combine teaching						
24	• with scientific research	68.2	31.8				
25	• with practical activities	65.9	31.8	2.3			
26	Assess how the knowledge of students obtained at the university corresponds to the realities of the requirements of the modern labor market	68.2	29.5	2.3			
27	How does the leadership and administration of the university perceive criticism?	29.5	54.5	9.1	6.8		
28	How well does your workload meet your expectations and abilities?	65.9	29.5	4.5			
29	Assess the focus of educational programs / curricula on the formation of students' skills and abilities to analyze the situation and make forecasts?	77.3	20.5	2.3			
30	Assess how the educational program in terms of content and quality of implementation meets the expectations of the labor market and employers	63.6	31.8	4.5			

## Appendix 4. Results of the students' survey

**Questionnaire for students**

Total number of profiles: 67

Educational program (specialty):

Floor:

Male	11.9	
Female	88.1	

Rate how satisfied you are:

Questions	Completely satisfied	Partially satisfied	Partially dissatisfied	Not satisfied	Difficult to answer
Relations with the dean's office (school, faculty, department)	80.6	16.4	1.5		1.5
The level of accessibility of the dean's office (school, faculty, department)	76.1	19.4	3		1.5
The level of accessibility and responsiveness of the leadership (university, school, faculty, department)	74.6	23.9	1.5		
Availability of academic counseling	82.1	17.9			
Support with educational materials in the learning process	88.1	11.9			
Availability of counseling on personal problems	76.1	20.9	1.5		1.5
Relationship between student and teacher	94	6			
The activities of the financial and administrative services of the educational institution	64.2	29.9	3	1.5	1.5
Accessibility of health services	77.6	22.4			
The quality of medical care at the university	74.6	23.9			1.5
Level of availability of library resources	82.1	17.9			
The quality of services provided in libraries and reading rooms	77.6	20.9			1.5
Existing educational resources of the university	74.6	23.9			1.5
Availability of computer classes	65.7	29.9	3		1.5
Availability and quality of Internet resources	67.2	31.3	1.5		
The content and information content of the website of educational organizations in general and faculties (schools) in particular	77.6	20.9			1.5
Study rooms, auditoriums for large groups	77.6	20.9			1.5
Lounges for students (if available)	50.7	31.3	9	1.5	7.5
Clarity of disciplinary procedures	82.1	14.9	1.5		1.5
The quality of the educational program as a whole	80.6	19.4			
The quality of study programs in the EP	88.1	10.4			1.5
Teaching methods in general	86.6	13.4			
Quick response to feedback from teachers on the educational process	86.6	11.9			1.5
The quality of teaching in general	82.1	16.4			1.5
Academic load / requirements for the student	70.1	29.9			
Requirements of the teaching staff for the student	86.6	13.4			
Information support and clarification before entering the university	85.1	13.4	1.5		

of the rules for admission and the strategy of the educational program (specialty)					
Informing the requirements in order to successfully complete this educational program (specialty)	88.1	11.9			
The quality of examination materials (tests and examination questions, etc.)	89.6	10.4			
Objectivity in assessing knowledge, skills and other educational achievements	83.6	16.4			
Available computer classes	73.1	25.4			1.5
Available scientific laboratories	71.6	25.4			3
Objectivity and fairness of teachers	83.6	13.4	3		
Informing students about courses, educational programs and the academic degree received	85.1	11.9	1.5		1.5
Providing students with a hostel	67.2	28.4		1.5	3

How much do you agree with:

Statement	Full consent	I agree	Partially agree	Disagree	Complete disagreement	Didn't answer
The course program was clearly presented	65.7	31.3	3			
Course content is well structured	68.7	29.9	1.5			
Key terms are well explained	74.6	23.9	1.5			
The material proposed by the teacher is relevant and reflects the latest achievements of science and practice.	71.6	26.9	1.5			
The teacher uses effective teaching methods	77.6	20.9	1.5			
The teacher owns the material being taught	79.1	19.4	1.5			
Teacher's presentation is clear	77.6	22.4				
The teacher presents the material in an interesting way	71.6	28.4				
Objectivity in assessing knowledge, skills and other educational achievements	74.6	25.4				
The timeliness of assessing the educational achievements of students	73.1	26.9				
The teacher satisfies your requirements and expectations for professional and personal development	73.1	25.4	1.5			
The teacher stimulates the activity of students	74.6	23.9	1.5			
The teacher stimulates the creative thinking of students	73.1	25.4	1.5			
The appearance and manners of the teacher are adequate	76.1	23.9				
The teacher shows a positive attitude towards students	74.6	25.4				
The system for assessing educational achievements (seminars, tests, questionnaires, etc.) reflects the content of the course	77.6	22.4				
The assessment criteria used by the teacher are clear and accessible	74.6	25.4				
The teacher objectively evaluates the achievements of students	76.1	23.9				
The teacher speaks a professional language	74.6	23.9	1.5			
The organization of education provides sufficient opportunities for sports and other leisure activities.	65.7	28.4	6			

Facilities and equipment for students are safe, comfortable and modern	70.1	25.4	4.5			
The library is well equipped and has a sufficient fund of scientific, educational and methodical literature	70.1	26.9	3			
Equal opportunities for mastering the EP and personal development are provided to all students	71.6	28.4				

**Other concerns regarding the quality of teaching:**

- No problems
- Everything is great
- Not
- No
- Everything suits me! All at the highest level!
- Everything great
- No problem
- The problem is
- No problem
- No problem.
- No problem
- No problems
- Everyone likes it
- I am satisfied with everything
- I did not have any problems
- I am satisfied with everything

