



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

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

6B08101 Agronomy (reaccreditation)

7M08101 Agronomy (reaccreditation)

8D08101 Agronomy (reaccreditation)

KAZAKH NATIONAL AGRARIAN RESEARCH UNIVERSITY

in the period from December 2 to December 4 , 2020

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

Addressed to
IAAR
Accreditation Council



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(I) LIST OF SYMBOLS AND ABBREVIATIONS

EEC - external expert commission
AC - Academic Calendar
BD - Basic disciplines
SAC – State Attestation Commission
CSE - The State compulsory standard of education
DET - Distance educational technologies
UNT - Unified National Testing
ECTS – European Credit Transfer System
ICT - Information and communication technologies
IC – Individual Curriculum
CC - Component of choice
CT - Comprehensive testing
CED - Catalog of elective disciplines
MES RK - Ministry of Education and Science of the Republic of Kazakhstan
MEP - Modular Educational Program
RW - Research work
RWS - Research work of students
EP - Educational programs
PD - Profile disciplines
TS – Teaching staff
RIEL -Republican Interuniversity Electronic Library
RK – Republic of Kazakhstan
WC - Working Curriculum
QMS -Quality Management System
SVE - Secondary vocational education
IWS - Independent work of students
IWSGT – Independent work of students under the guidance of a teacher
ST - Standard Curriculum
EML - educational and methodical literature
EMCD - Educational and methodical complex of the discipline

(II) INTRODUCTION

In accordance with Order No. 121-20-OD dated 10.11.2020. Independent Agency of Accreditation and Rating from 02 to 04 December 2020, an external expert commission assessed the compliance of educational programs 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy of the Kazakh National Agrarian Research University (Almaty) standards of specialized accreditation of the NAAR (No. 10-17-OD dated February 24, 2017, fifth edition).

The report of the external expert commission (EEC) contains an assessment of the submitted educational programs by the criteria of the NAAR standards, recommendations of the EAC for further improvement of educational programs and parameters of the profile of educational programs.

The composition of the EEC:

1. Chairman of the IAAR Commission - Svetlana Nikolaevna Shlapakova, Vice-Rector for Educational Activities and Youth Policy, PhD, Associate Professor, Bryansk State University of Engineering and Technology (Bryansk, Russian Federation);

2. Foreign expert of IAAR - Oleg Viktorovich Sozinov, Doctor of Biological Sciences, Associate Professor, Yanka Kupala Grodno State University (Republic of Belarus, Grodno);

3. Foreign expert of IAAR - Leonid Volosciuc, Doctor of sciences (habilitat) in biology, professor, Institute of Genetics, Physiology and Plant Protection of the Academy of Sciences of the Republic of Moldova (Laboratory manager of the Institute of Genetics, Physiology and Plant Protection of the Academy of Sciences of Moldova) (Republic of Moldova, Chisinau);

4. Foreign expert of IAAR - Tatyana Leonidovna Ishchenko, Candidate of Technical Sciences, Dean of the Forestry Faculty of the Voronezh State Forestry University named after G.F. Morozov (Voronezh, Russian Federation);

5. IAAR expert - Stybaev Gani Zhasymbekovich, Candidate of Agricultural Sciences, Professor, Kazakh Agrotechnical University named after S.Seifullin (Nur-Sultan);

6. IAAR expert - Nurgaliev Akylbek Muratovich, Candidate of Agricultural Sciences, Associate Professor, West Kazakhstan Agrarian Technical University named after Zhangir Khan (Uralsk);

7. IAAR expert - Aldungarova Aliya Kairatovna, PhD, Associate Professor, Toraigyrov University (Pavlodar);

8. IAAR expert - Baytelenova Aliya Askerovna, Candidate of Agricultural Sciences, Kazakh Agrotechnical University named after S.Seifullin (Nur-Sultan);

9. Employer of IAAR - Ualkhanov Baizhan Nurbayevich, General Director of Pavlodar Agricultural Experimental Station LLP (Pavlodar);

10. IAAR student - Alibekova Kamilla Kanatovna, 2nd year doctoral student (PhD) EP 6702V004 - International Development Studies (direction: Land use, degradation of saline lands), Palacki University (Olomouc, Czech Republic);

11. IAAR student - Kakimova Madina Aitbayevna, 4th year student of the EP "Ecology", L.Gumilyov Eurasian National University, Representative of the Alliance of Students of Kazakhstan (Nur-Sultan);

12. IAAR student - Izbasar Altynai Khasenkyzy, 4th year student of the EP "Forest Resources and Forestry", Kokshetau University named after Sh. Ualikhanov, Representative of the Alliance of Students of Kazakhstan (Kokshetau);

13. The observer from the Agency - Kanapyanov Timur Yerbolatovich, PhD, Head of International Projects and Public Relations at the IAAR (Nur-Sultan).

(III) DESCRIPTION OF THE EDUCATIONAL ORGANIZATION

The Kazakh National Agrarian Research University was established in 1996 on the basis of two institutes: the Almaty Veterinary Institute, which was founded in 1929, and the Kazakh Agricultural Institute (1930). In 2001, by Decree of the President of the Republic of Kazakhstan, N.A. Nazarbayev was awarded the status of a National University. In 2010, the university began its transformation into a National Research University and was awarded the status of an innovation-oriented university. KazNAU has a state license No. KZ42LA00006720 dated March 25, 2016, for the right to conduct educational activities in the field of higher and postgraduate professional education. KazNAU passed the procedure of institutional accreditation in the OUL of the Kazakhstan Association of Engineering Education KAZSEE. Certificate of Accreditation No. 1920 KE 0025 (12.06.2019 - 12.06.2024).

Today, the university is the base of the Republican Educational and Methodological Center; Coordinator for the development of academic mobility (implemented through a Global Consortium, as well as projects and programs "Tempus", "ErasmusMundus", "Bolashak", DAAD, FET and others); member of a Global Consortium uniting more than 300 agricultural universities of the world; member of 8 international consortia.

The University annually organizes International Summer and winter Schools, the participants of which are scientists from partner universities in Europe, undergraduates from foreign and Kazakh universities. The evidence of the improvement of the quality level is that in 2020 the university entered the top 600 world universities in the QS WUR rating. In the Green Metric world ranking, the university is the national coordinator and ranks 96th.

KazNAU has an Agrotechnological HUB, a Kazakh-Japanese Innovation Center, an Innovative scientific and educational center, including: a Kazakh-Korean Innovation Center, a Water Innovation Center (Water HUB), a Kazakh-Belarusian Innovation Center, a Center for Sustainable Agriculture, an innovative greenhouse, educational and research laboratories for training specialists within the framework of the state program of industrial and innovative development, an Innovation and Consulting Center named after Tamshybayeva Zlikhy Zhanbolatovna, N. Nazarbayev center of education and science, national center.

The contingent of the University students on 01.11.2020 g. the number of students of day form of education on November 01, 2020 is just, 6958 people, including on the basis of the state educational grant – 4548 Students of distance learning – 542, Masters – 450, including government contracts 383; doctoral students – 218 of the government – 215.

Personnel training is carried out by 783 teachers, 682 full-time/ 101 part-timers, of which 8 academicians of the National Academy of Sciences of the Republic of Kazakhstan, 91 doctors and 261 candidates of Sciences, 79 PhD doctors and 267 masters. The share of teachers with academic degrees and titles from the number of full-time teachers is 63.1%.

The contingent of students accredited by the EP as of November 01, 2020 is:

- 6B08101 Agronomy - 234 students, including 171 in the state language, of which: on the basis of a state educational grant – 206 people, on a commercial basis - 28, full-time education - 226 students, distance learning - 8 students;

- 7M08101 Agronomy - 21 undergraduates (multilingual), including 0 in the state language, of which: on the basis of a state educational grant – 19 people, on a commercial basis - 2, full-time education - 21 undergraduates, distance learning - 0 students;

- 8D08101 Agronomy - 19 doctoral students (multilingual), including 0 in the state language, of which: on the basis of a state educational grant – 19 people, on a commercial basis - 0, full-time study - 19 doctoral students, distance learning - 0 students.

Currently, the training of students in EP 6B08101, 7B08101, 8D08101 –Agronomy is carried out on the basis of license№ KZ42LAA00006720 dated 25.03.2016, issued by the Committee for Control in the Field of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan, appendix to the license for educational activities № 012, dated July 05, 2019 in the direction of training 6B081- Agronomy; in the direction of training 7MB081-

Agronomy appendix to license №10, dated July 05, 2019, in the direction of training 8D081 – Agronomy appendix to license № 11, dated July 05, 2019.

Information about Department of agronomy

Qualitative and quantitative composition of the Department:

In the Department of agronomy in 2020-2021 year 20 faculty, degree percent of 65 %, including: DAS. – 5, CAS – 5, PhD – 2. The average age of academic staff in the Department is 48.5 years.

Employment of graduates of the last three years according to accredited EP cluster:

- EP 6B08101 Agronomy - 2017-2018 - 76%, 2018-2019 - 82%, 2019-2020 – 96%;
- EP 7M08101 Agronomy - 2017-2018 – 91,7%, 2018-2019 - 100%, 2019-2020 - 100%;
- EP 8D08101 Agronomy - 2017-2018 - 100%, 2018-2019 - 100%, 2019-2020 - 100%.

Academic mobility according to accredited cluster OP for the period 2015-2020: - outgoing mobility EP 6B08101-Agronomy - 9, EP 7M08101 - Agronomy - 0, EP 8D08101-Agronomy - 0; incoming mobility EP 6B08101-Agronomy - 2, EP 7M08101-Agronomy -1, EP 8D08101-Agronomy - 0.

Research, contractual projects for the department in the context of accredited OP cluster:

Implementation of research funded from the state budget:

Since 2015, 4 scientific projects have been carried out at the Department, including 3 scientific projects funded by the Ministry of Education and Science of the Republic of Kazakhstan and 1 scientific project funded by the Ministry of Agriculture of the Republic of Kazakhstan. The total amount of financing for the reporting years amounted to 88,650.0 thousand tenge.

1. "Development and implementation of new technologies for the efficient use of irrigated lands". The amount of funding for 2015-2017 is 18150,0 thousand tenge, the project manager is Academician of the Academy of Agricultural Sciences of the Republic of Kazakhstan, Doctor of Agricultural Sciences, Professor T.A. Atakulov.

2. "Identification and labeling of oat germplasm in the breeding of productive varieties of high-glucan and naked (low-film) type". The amount of financing for 2015-2017 is 27000,0 thousand tenge, project manager, Doctor of Agricultural Sciences, Professor A.I. Abugalieva.

3. "To develop agrobiological and agro-reclamation techniques for improving degraded irrigated lands in the south-east of Kazakhstan." The amount of funding for 2015-2017 is 13 500.0 thousand tenge, the project manager is Academician of the Academy of Agricultural Sciences of the Republic of Kazakhstan, Doctor of Agricultural Sciences, Professor T.A. Atakulov.

4. "Disease-resistant wheat varieties as a genetic basis for organic (biological) grain production." The amount of funding for 2018-2020 is 30 000,0 thousand tenge, project manager, Doctor of Agricultural Sciences, Professor A.I. Abugalieva.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCESS

In accordance with the Order №26-15-OD of the Independent Agency for Accreditation and Rating dated November 3, 2015, an external expert commission assessed the compliance of educational programs 5B080100-Agronomy, 6M080100-Agronomy, 6D080100-Agronomy with the standards of specialized accreditation of the NAAR (dated April 26, 2012 №. 08-OD, second edition) at the Kazakh National Agrarian University.

On December 24, 2015, by the decision of the Accreditation Council, educational programs were accredited for a period of 5 years.

The composition of the previous EEC:

1. Chairman of the Commission - Bakushev Askar Asilgalievich, Candidate of Technical Sciences, Zhangir Khan West Kazakhstan Agrarian Technical University;

2. Foreign expert - Salnikov Elmira (Saljnikov Elmira), Ph.D.D, Leading Researcher at the Research Institute of Soil Science (Belgrade, Republic of Serbia);

3. Foreign expert - Lev Alena Yurievna, PhD, Associate Professor, branch of the Tyumen State University (Ishim, Russia);
4. Expert - Ibadullayeva Saltanat Zharylkasymovna, PhD, Professor, Korkyt-Ata Kyzylorda State University;
5. Expert - Stybaev Gani Zhasymbekovich, Candidate of Agricultural Sciences, Associate Professor, Kazakh Agrotechnical University named after S.Seifullin;
6. Expert - Sattybayeva Zeinigul Jumabekkyzy, Associate Professor, Candidate of Agricultural Sciences, Kokshetau State University named after Sh. Ualikhanov;
7. Expert - Kapar Shakimovich Aryngazin, Ph.D., Professor, S. Toraighyrov Pavlodar State University;
8. Expert - Turebaeva Klara Zhamanbaevna, Doctor of Pedagogical Sciences, Professor, Aktobe Regional University named after To Zhubanova;
9. Expert - Yeszhanov Galikhan Serdalinovich, PhD, Associate Professor, Kokshetau State University named after Sh. Ualikhanov;
10. Expert - Ualkhanov Baizhan Nurbayevich, Candidate of Technical Sciences, Associate Professor, T.K. Zhurgenov Kazakh National Academy of Arts;
11. Employer - Saparov Galymzhan Abdullayevich, Candidate of Agricultural Sciences, Head of the Department "Agrochemistry" of the Kazakh Research Institute of Soil Science and Agrochemistry named after U.U.Uspanov (Almaty);
12. Student - Mekesov Shamshinur Askaruly, 3rd year student of Al-Farabi Kazakh National University;
13. Observer from the Agency - Kanapyanov Timur Yerbolatovich, Head of international projects of the Agency (Astana).

Based on the results of the evaluation of the EEC, the following recommendations were given for EP 5B080100-Agronomy, 6M080100-Agronomy, 6D080100-Agronomy:

According to the Standard "Educational program Management"

- To increase the efficiency of interaction of departments with employers (research institutes, large agricultural producers, etc.) on the joint development of educational programs based on competence-based and modular approaches.

- To improve the provision of the educational process with modern high-quality educational and methodological literature, including in English; electronic textbooks, including through their own developments.

According to the Standard "Specifics of the educational program"

- If possible, taking into account the personnel potential of the university, open groups with multilingual training.

- Develop joint educational programs with leading foreign universities.

According to the Standard "Teaching staff and teaching efficiency"

- To improve the work on the use of innovative communication technologies in the educational process.

- The rating assessment of the activity of the teaching staff should be carried out separately for each category of teaching staff.

According to the "Students" Standard

- The structure of the EP should provide for various types of activities, the content of which should contribute to the development of professional competence of students, taking into account their personal characteristics.

- Final works of students in bachelor's degree specialties according to the regulatory requirements of the Ministry of Education and Science of the Republic of Kazakhstan should be carried out through the "Anti-Plagiarism" system.

- We propose to consider the introduction of a discipline that gives students the ability to appropriately represent the statistical processing of the data obtained according to international standards.

- To strengthen the participation of students in research work.

- To introduce a combined system for assessing the knowledge of undergraduates and doctoral students when passing the final control.
- Consider the possibility of professional certification of students in the agricultural field.

According to the Standard "Resources available to educational programs"

- To improve the mechanism of using free access to electronic resources of the world's leading scientific journals in order to improve and improve the quality of scientific publications of undergraduates and doctoral students.

To implement the recommendations, the university developed an action plan approved on 22.02.2016. The results of the planned activities are reflected in the Reports of the IAAR experts on the assessment of the implementation of the recommendations of the IAAR EEC, formed by the results of the specialized accreditation of EP 5B080100-Agronomy, 6M080100-Agronomy, 6D080100-Agronomy of the Kazakh National Agrarian University (Stage 1 (December 4-5, 2017), Stage 2 (January 2020), in the Report on the implementation of the recommendations of the Kazakh National Agrarian University EEC IAAR.

Post-accreditation monitoring of the activities of the Kazakh National Agrarian University was carried out within the framework of the action plan for the implementation of the recommendations of the VEC and was carried out in accordance with the requirements of the regulations on post-accreditation monitoring of December 26, 11.

During the visit, the VEC experts analyzed the recommendations made by the university.

Conclusions:

According to the recommendations of the standard "Educational Program Management":

- The management of the EP widely practices the involvement of external experts and consumers of the EP to discuss educational programs based on a competence-based approach. Thus, when developing new disciplines, round tables are held with employers to discuss competencies, as well as curricula are reviewed and agreed upon. The management of the OP actively cooperates with such organizations as the KazRI of Agriculture and Crop Production, the KazRI of Animal Husbandry and Feed Production, the KazRI of Soil Science and Agrochemistry named after U.Uspanova, KazRI of potato and vegetable growing, GU RNMC of agrochemical service.

Based on the submitted documents, the commission concludes that the recommendation has been fully implemented.

- According to the report, the university acquired new educational and scientific literature in English: "Plant Nutrition", "Soil Fertility and Fertilizers", "Element of the Nature and Properties of Soils", "World soil resources and food security", "Soil Conditions and Plant Growth", "Soil Terminology, Correlation and classification", "Soils and Soil Fertility", "Soil Formation", "Soil chemistry", "Soil Erosion". The management of the OP is actively working to increase the output of educational and methodological literature in the state and Russian languages, but there is no data on the publication of the UML in English. There is also no information about electronic textbooks. There may be a technical error in the report or the recommendation is not implemented.

Based on the submitted documents, the commission concludes that the recommendation has not been fully implemented.

According to the recommendations of the standard "Specifics of the educational program":

- According to the provided report on the OP, multilingual education is being implemented. To determine the level of English language proficiency, the language training of students is monitored, according to the results of which groups with multilingual training are formed.

Based on the submitted documents, the commission concludes that the recommendation has been fully implemented.

- The report provided by the heads of the EP provides positive statistics on the reading of guest lectures, but the recommendation sounded like "to work on the development of joint OP with leading foreign universities." Therefore, the commission notes that the recommendation has not been implemented, and the university is recommended to reconsider the implementation of this recommendation.

According to the recommendations of the standard "Teaching staff and teaching effectiveness":

- According to the report provided by the heads of the EP, the teaching staff implementing the EP actively use new information technologies and multimedia teaching tools in the educational process. Video presentations, educational films, interactive teaching methods are demonstrated at the training sessions, which enable students to better assimilate educational material and consolidate knowledge. Based on the material studied, the commission concludes that this recommendation has been fully implemented.

- According to the information provided in the report, "The position of the rating system for evaluating the activities of teaching staff/departments/faculties of KazNAU" was developed in 2014. However, every year the Accreditation and Rating Center makes additions to it (US KazNAU, Protocol №.3 of 31.10.2017, Protocol № of 21.09.2018). So in the 2017-2018 academic year, a minimum rating score of 50 was introduced for all categories of teaching staff, and in the 2018-2019 academic year, in order to rank different categories of teaching staff, various minimum indicators were introduced in the set of rating points: for an assistant, senior lecturer - 50 points, for an associate professor - 100 points, for a professor - 150 points. Based on this, the Commission considers that this recommendation has been implemented.

According to the recommendations of the "Students" standard:

- According to the report, the structure of the EP reflects the competencies of students, taking into account their personal characteristics in accordance with qualification characteristics. However, there is no supporting documentation. Perhaps this is a technical error, but neither in the application nor at the specified link is it possible to view the MOS. The Commission considers that it is difficult to assess the implementation of the recommendation based on the submitted documents.

- According to the report, since 2016, the "Anti-Plagiarism" program has been implemented to verify diploma, master's and doctoral works, in accordance with the regulatory requirements of the Ministry of Education and Science of the Republic of Kazakhstan (Order № 93 n/a of 22.05.2016). Based on the submitted documents, the commission believes that this recommendation has been fully implemented.

- The report provides information on attracting students to research, provides information on the work of 3 circles, however, there is no information on the number of students involved in the work of the circles, participation in the Republican competition for the best scientific work of students is not reflected, which makes it difficult to assess the implementation of the recommendation. The Commission considers that it is difficult to assess the implementation of the recommendation based on the submitted documents.

- According to the report, the verification of students' academic achievements during the examination session is carried out in the form of exams in the studied disciplines in oral or written forms. After a written answer to the questions, the answer sheets are encrypted by a representative of the academic part of the university and given for verification to teachers who have not taught this subject to students, but are specialists in it. Based on the submitted documents, the Commission considers that this recommendation has been fully implemented.

- According to the report, the university does not have the right to carry out activities not provided for in the Charter, in particular professional certification of students in the agricultural field. However, the report does not provide information on the study of possible ways to obtain professional certification of students in the agricultural field, for example, in independent certification centers. Based on this, the Commission considers that this recommendation has been partially implemented.

- According to the information provided in the report, the section of statistical processing of the data obtained, according to international standards, was included in the following disciplines - fundamentals of scientific research, experimental methods, agrochemical monitoring and mapping, theory and research methods. This makes it possible for students to calculate

mathematical and statistical processing of crop yield data. Based on the submitted documents, the commission considers that this recommendation has been fully implemented.

According to the recommendations of the standard "Resources available to educational programs":

- According to the report, KazNAU Scientific Library has provided access to foreign databases: RMEB, Aknurpress, Paragraph, Springer link, Thomson Reuters, Springer Link, Soil Science Society of America Journal, DOAJ. Based on the submitted documents, the Commission considers that this recommendation has been fully implemented.

Based on the results of post-monitoring control, it can be concluded that out of 13 recommendations that were given in the previous accreditation, 8 recommendations were fully implemented, 5 recommendations were not implemented or partially implemented. During the study of the self-report submitted for reaccreditation, and after studying the submitted documents, the expert commission revealed non-compliance with the following recommendations:

1. To develop joint educational programs with leading foreign universities.
2. Consider the possibility of professional certification of students in the agricultural field.

(V) DESCRIPTION OF THE EXTERNAL EXPERT COMMISSION VISIT

The work of the EEC was carried out on the basis of the approved Program of the visit of the expert commission on specialized accreditation of educational programs to the Kazakh National Agrarian Research University in the period from 02 to 04 December 2020.

In order to coordinate the work of the EEC on 01.12.2020, an introductory meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was clarified, and an agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, online meetings were held with the acting rector, vice-rectors of the university in areas of activity, heads of structural divisions, deans of faculties, heads of departments, teachers, students, graduates, employers. A total of 72 representatives took part in the meetings (Table 1).

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

Category of participants	Quantity
Acting Chairman of the Board - Rector	1
Vice -Rectors	6
Heads of structural divisions	28
Heads of departments, heads of OP	6
Teachers*	11
Students*	10
Graduates*	8
Employers*	2
Total	72

During the online tour, the members of the EEC got acquainted with the state of the material and technical base, visited the innovation centers: "Kazakh-Japanese", "Agrotechnological HUB" and "Water HUB", as well as laboratories of genetics and breeding, biotechnology, agrometeorology, technology for storing plant products, agrochemistry, phytosanitary safety and precision agriculture.

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

For the period of accreditation, remote classes were not attended, as due to technical problems it was not possible to attend classes according to the schedule, therefore, video

recordings of lessons in the following disciplines were made: "Applied biotechnology", "Biotechnologiyanyñ commercialyq aspectileri", "Zhana perspektivaly malazyktyk dakylar", "Turishilik budandastyrudagi tukymkualaushtylyk zandary".

During the work, the members of the VEC conducted online visits to the practice base - "Baiserke Agro Holding" LLP.

In accordance with the accreditation procedure, an online survey was conducted of 11 teachers (professors Orazbayev S.A., Atakulov T.A., Suleimenova S.E., Esenbayeva G.L., Doszhanova A.S., Zhanbyrbayev E.A., Kulanbai K., Esenbayeva Zh., teachers Barlykova N.A., Rakhimgozhin M., Turganbay G.), 10 students (Mukasheva M., Orazbekova E., Alibai A., Espolova N., Zhaksylyk T., Turgumbayeva M.A., Bekkhozina S.N., Kozhakanova I.T., Mahatai B., Shekuali N.D.).

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

As part of the planned program, at an online meeting with the management on 04.12.2020, recommendations for improving accredited educational programs of KazNAU, developed by the VEC based on the results of the examination, were presented.

(VI) COMPLIANCE WITH THE STANDARDS OF SPECIALIZED ACCREDITATION

6.1. Standard "Management of Educational Program"

The evidentiary part

EP 6B08101, 7M08101, 8D08101-Agronomy are carried out in accordance with the mission of the University – the training of highly qualified agricultural personnel who make a professional contribution to the development of food security of the country. Educational programs are implemented at the Faculty of Agrobiology, which has its mission - the training of competent specialists, scientific, agricultural personnel, competitive in the labor market, able to contribute to ensuring food security of the country.

The mission, goals and objectives of the University correspond to the goals and objectives of the national education system and the development of the country. The mission of the university is to create conditions for the formation of a competitive specialist in demand in the agro-industrial complex and the global scientific and educational space, as well as for the development of a socially oriented, highly cultured and tolerant personality (<https://www.kaznau.kz>).

Vision - KazNAIU is an elite university of innovative type, the leader of the agricultural 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 world labor market; included in the 300 universities of the QS agency world ranking; ensuring the integration of education, science and production based on innovations in agriculture, mobility of students and teaching staff; creating new knowledge in agricultural science of Kazakhstan; guaranteeing the creation of conditions for the development of human capital.

In order to maintain the mission, vision, objectives and development of a quality culture, the University discussed and adopted a Policy in the field of quality assurance (approved by the decision of the Rector's Office №. 1 of August 31, 2019).

The university's policy is to train highly qualified specialists, meet the needs of students and employers, ensure the implementation of the principle of "Quality education throughout life", conduct research, prepare recommendations for determining priority areas of technical, socio-economic and cultural development and the implementation of their results in production. The

policy is posted on an open resource https://www.kaznau.kz/page/strategiia/?link=smzh_protcedurasy_474&lang=ru.

The university has a state license № KZ42LA00006720 dated March 25, 2016 for the right to conduct educational activities in the field of higher and postgraduate professional education.

Ensuring the principle of openness and transparency of the educational process, opportunities for dialogue between its participants and receiving "feedback" from them.

Certain types of training are outsourced. First of all, this is professional and pedagogical practice. The Department of Agronomy has concluded trilateral agreements with LLP "Kazakh Research Institute of Agriculture and Plant Growing", LLP "Kazakh Research Institute of Plant Protection and Quarantine", RSE at the Institute of Plant Biology and Biotechnology for the internship of students.

These organizations also relate to outsourcing or to external resources, from which expert practitioners are attracted to review and advise graduate theses, dissertations of students, to conduct lectures, as well as on the basis of which students can practice, developing the competencies of intercultural communication, business communication, leadership and production organization.

The bases of practices, employment of graduates are involved in the examination of the content of the EP. This is described in more detail below, in the corresponding standard.

Information about all innovations and changes both in the structure and in the content of EP 6B08101, 7M08101, 8D08101-Agronomy is brought to stakeholders through the University website, the media, posting information on the faculty page of the official website. The involvement of employers, students and teaching staff in the formation of the development plan of the EP is reflected in the annual development plans of the Faculty of Agrobiology, as an important parameter of activity.

The system of management and implementation of the EP is transparent and is regularly discussed at meetings of the Department of Agronomy, the scientific and methodological seminar of the department, the methodological bureau of the Faculty, the Academic Council of the Faculty and approved by the Academic Council of the University.

Students take an active part in the discussion of EP 6B08101, 7M08101, 8D08101-Agronomy. So, at the meetings of the Academic Council of the faculty and departments, reports of students are regularly heard, where they make their proposals to improve the quality of the educational process. To assess the educational achievements of students, the quality of education during the academic semester after the intermediate control, as well as after each examination session, the report of the responsible for academic performance – the deputy dean is heard, quantitative and qualitative analysis is carried out, recommendations are made to advisors and curators. The analysis is carried out not only by the examination sessions, but also the results of the practices.

EP 6B08101, 7M08101, 8D08101-Agronomy is annually examined with the participation of the Department of Academic Affairs of the University. The meetings are attended by employers, students and external experts to discuss the content of the EP, which is reflected not only in the minutes of the Department, but also in the minutes of the meeting of the department, which develops corrective and preventive actions on comments and inconsistencies.

Every year, taking into account the requirements of consumers of educational services and external experts, changes are made to the list of the catalog of elective disciplines, to the database of declared teachers for compulsory and elective subjects.

Analytical part

The analysis of the fundamental documents showed that at the Kazakh National Agrarian Research University, educational programs are managed in accordance with the current legislation of the Republic of Kazakhstan in the field of education and science, the focus of the mission, strategy and vision is to meet the needs of the state, society, sectors of the real economy, potential stakeholders. The management of the EP has sufficiently demonstrated the efficiency of the

internal quality management system. During the visual inspection and analysis of documents, the EEC made sure that those responsible for the processes within which the implementation of the EP is regulated were appointed, the duties of the staff were distributed, the functions of collegial bodies were differentiated. The university demonstrates the development of a culture of quality assurance in the context of EP. The quality of the educational process includes not only the quality of curricula and technologies, the quality of the material and technical base, etc., but also the quality of the scientific potential of the university, the quality of new knowledge transmitted by teachers. The management of the EP ensures the participation of representatives of employers in the processes of managing the educational program and its development, which was revealed as a result of interviews with teachers and employers. However, when analyzing the relevant OP documents, the commission could not see the individuality and uniqueness of the EP development plan, and the methodology for analyzing and implementing innovative proposals within the accredited EP was not presented. The analysis of the UMKD showed that in the master's and doctoral studies in EP 7M08101 Agronomy, 8D08101 Agronomy, the teaching methods generally accepted in the bachelor's degree are used, teachers do not provide discussions, essays, blitz survey, etc. innovative methods. The management of the EP and the teaching staff take advanced training courses, have certificates of participation in various seminars, conferences and scientific internships. However, the heads of the EP have not been trained in educational management programs. In addition, an analysis of the achievement of goals after the last accreditation of the OP is not given.

Strengths/best practice for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- according to this standard, the EEC does not note strengths.

Recommendations for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

1 To revise the Development Plan of the Educational System until March 2021, including the form and structure of educational programs, taking into account modern approaches and requirements for educational statistics and monitoring of indicators.

2. To expand the use of active and innovative teaching methods in the educational process in the core disciplines of the Master's and doctoral studies of the EP.

3. To ensure the completion of advanced training courses for managers of the EP "Agronomy" in the field of education management in the 2020-2021 academic year.

4. The management of the EP should reflect the description of the progress achieved in the self-assessment documents when implementing the recommendations received as a result of the previous accreditation procedure, taking into account the results of interim post-monitoring reports.

According to the standard "Management of Educational Program" educational programs 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy have 13 satisfactory positions, 4 requires improvement.

6.2. Standard " Information Management and Reporting "

The evidentiary part

The EEC confirms that in order to automate the process of collecting, analyzing and managing information, KazNAU has implemented and operates information collection, analysis and management systems based on the use of modern ICT and software tools - information management within the official website of the university, a folder for information exchange between structural units, management of academic information within the AIS "Platonus".

The University uses modern information systems, information and communication technologies and software tools in order to adequately manage information. The University's information support includes the following software tools www.kaznau.kz, KazNAU Repository system <http://repository.kaznau.kz>, conference management system, scientific and social networks, scientific journal "Research. Searches" <http://izdenister.kaznau.kz>, UP-AIS control system <http://es.kaznau.kz>, the PPP rating system <http://reiting.kaznau.kz>, distance learning system <http://do.kaznau.kz>, graduate employment system <http://es.kaznau.kz>, personnel management system "1C-personnel", system "1C-enterprises", system "IT service" <http://itserv.kaznau.kz> /, electronic dormitory <http://kaznau.kz/campus>, corporate mail <https://post.kaznau.kz>, social networks <https://vk.com/kaznau1929> and <https://www.facebook.com/kaznau1929/>, electronic library <http://kaznau.kz/library>, <http://lib.kaznau.kz>, the newspaper "Agrarian University" <http://www.kaznau.kz/page/newspaper/>, electronic document management system <http://edoc.kaznau.kz/login>, access control and accounting system <http://skud.kaznau.kz>.

To analyze information, quality engineering methods are used, which include methods of descriptive statistics: graphs, histograms, diagrams. As one of the methods of analysis at the university, rating analysis is used, the purpose of which is to stimulate the growth of qualifications, professionalism, productivity of pedagogical and scientific work, the development of creative initiative of teachers. For example, every year the university conducts a rating assessment of teaching staff, departments, faculties.

The Commission notes that the analysis of information is carried out by methods of comparing indicators, the evaluation criteria of which are set out in the regulations on internal and departmental regulatory documents. The results of the analysis are reflected in the certificates, reports of the structural units of the university and are provided to responsible persons for making decisions to improve the process. To assess the effectiveness of EP development, QMS mechanisms, internal and external audits are used, within the framework of which inconsistencies are identified, corrective actions with deadlines and performers are developed to eliminate them. Teaching staff, students, employers are involved in the processes of collecting and analyzing information through questionnaires, interviewing and making decisions based on them. Conflict situations are resolved through the participation of the university's trade union committee. In order to prevent conflict situations at the university, the relevant regulatory documents have been approved and put into effect.

A sample analysis of the personal files of teaching staff, employees and students conducted by the members of the EEC confirmed the existence of written consent to the collection and processing of personal data stored in the department of organizational and personnel work. In general, the EEC notes that the university uses modern information systems, information and communication technologies and software tools in order to adequately manage information. Based on the analysis of facts, the management of the EP evaluates the effectiveness and efficiency of the implementation of the EP, demonstrates informed decision-making and identifies opportunities to improve its quality.

Analytical part

The analysis of the presented documents confirmed that the functioning of information systems for collecting, analyzing and managing information is regulated by the normative documents of the university. To manage educational, educational, financial, etc. processes form the main information flows. The databases collected as part of the activities of the university allow it to generate a variety of analytical reports based on the analysis and processing of the information received. The use of rating analysis contributes to the implementation of an effective personnel policy, the identification of individual abilities and professional skills, increased responsibility for the assigned work at all levels, legal and social protection of teaching staff, heads of departments and deans. Its results are used by the leadership of the university when making decisions on the renewal of contracts, staff appointments, in determining the amount of bonuses to the salary of teaching staff, heads of departments, deans and their deputies.

As the results of the student survey showed, students are generally satisfied with the quality of feedback from the university management. In particular, 73.3% of respondents (60 students surveyed) were fully satisfied with the speed of response to feedback from teachers regarding the educational process and the relationship between teachers and students, and 23.3% (39 respondents) were partially satisfied; 73.3% of students were satisfied, and 21.7% were partially satisfied with informing students about courses and educational programs.

Questioning of students showed the general satisfaction of students with the quality of teaching and the material and technical support of the educational process. For example, 75.0% of the students surveyed were satisfied, and 25.0% were partially satisfied with the level of availability of library resources; 26.7% of students were satisfied and 23.3% were partially satisfied with the quality of teaching; 65.0% of the students were satisfied and 21.7% were partially satisfied with the available scientific laboratories.

Most of the students surveyed in the course of the survey were satisfied with the social and living conditions - 52.9% of students were satisfied, and 20.0% were partially satisfied with student lounges, 71.7% of students were satisfied, and 16.7% were partially satisfied with the provision of students with a hostel.

Strengths/best practice for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- according to this standard, the EEC does not note strengths.

Recommendations for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- there are no recommendations for this standard

According to the standard "Information Management and Reporting" educational programs 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy have 17 satisfactory positions.

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

The evidentiary part

The University has Rules for the development and design of educational programs, which reflect the main stages of the development and approval of the EP, as well as the process of updating them. The content of the EP is established by the relevant state mandatory standards and is implemented through curricula and programs.

Accredited educational programs include: objectives – the level of qualification, the degree awarded, recognition of previous training, the professional profile of the graduate; methods and methods of implementing the educational program; criteria for evaluating learning outcomes; key learning outcomes; the main modules of the educational program.

When forming EP 6B08101, 7M08101, 8D08101-Agronomy, the Department of "Agronomy" strictly adheres to the Provisions on the educational program. All types of work related to the procedure and technology of EP development are controlled by the head of the department, the departments of educational and methodological work of the Department of Academic Affairs. In the process of forming the EP, first of all, the goals and objectives, the results of the training of the EP, etc. are determined.

When formulating the goals and objectives of the EP, the main provisions of the regulatory legal framework in the field of higher and postgraduate education of the Republic of Kazakhstan are taken into account.

The results of the training reflect the qualification levels and competencies of the graduate. The structure of the EP is formed by various types of academic work, depending on the level of study (bachelor's, master's, doctoral studies). In accordance with the state mandatory standard of

education (SES), each cycle of disciplines consists of a mandatory component and an optional component. The component of the choice of each cycle provides universities with the opportunity to independently determine the specialization of the educational program, through the independent formation of a course of elective disciplines, taking into account the specifics of the socio-economic development of the state, as well as in accordance with the needs of the labor market of a particular region.

Within the framework of the EP, they are developed in accordance with the National Qualifications Framework (NQF), professional standards, and are aligned with the European Qualifications Framework (ERC) of the European Higher Education Area (EHEA).

The university has formed models of graduates of the EP, the faculty of the department, graduates and students, as well as representatives of employers participated in the development of the graduate model. Modular educational programs are developed on the basis of standard curricula for specialties for the entire period of study, State mandatory standards of education and Rules for the organization of the educational process on credit technology of training. In accordance with the State Educational Standards of the Republic of Kazakhstan, the ratio of the volume of disciplines of the cycles of OOD, DB, profiling disciplines is maintained in the curricula.

The review of the EP is carried out by employers and interested persons in the field of education. All accredited EP undergo an external examination procedure, the results of which are taken into account when subsequent changes and adjustments are made to the EP.

The Commission notes that when forming the EP, the goals, principles of training specialists, opinions of representatives of production and employers, and the requirements of state programs and the region are fully taken into account.

The Commission notes that according to the students, the preparation and adjustment of the schedule of classes and calls is made taking into account their wishes.

Analytical part

The University consolidates and implements best practices based on the transfer of new knowledge and technologies with leading universities and research centers of the world. The educational programs of the specialty "Agronomy" of KazNAU are identified with the educational programs of Wageningen University, Timiryazev Agricultural Academy and the Korean Academy of Agriculture. An agreement was reached on the identification of educational programs with the leadership of the Faculty of Agriculture, Novo Sad University, Serbia in the specialty "Agronomy" in order to ensure the academic mobility of bachelors and undergraduates between Novo Sad University and KazNAU and to obtain a double-degree education. Agreements have been reached with partners from China (Xinjiang Uygur Agricultural Academy) in scientific and educational activities.

The Commission notes that the agreements signed with foreign partners are of the nature of intentions and do not confirm the existence of joint educational programs or double-degree programs.

The analysis of the studied documents, as well as the results of interviews with students, teaching staff, graduates and employers allowed us to conclude that the possibility of professional certification of students has not been created.

Strengths/best practice for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- according to this standard, the EEC does not note strengths.

Recommendations for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

1. It is recommended to introduce modules into the discipline programs that allow students to prepare for professional certification in the 2021-22 academic year.

2. The management of the EP should include an item in the development plans of the EP aimed at developing professional cooperation with Kazakh and foreign educational organizations on accredited EP for the harmonization of modules and the development of joint EP, to begin developing joint educational programs from 2021 in order to start its implementation by 2023.

According to the standard "Development and approval of the Educational Programme" educational programs 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy have 10 satisfactory positions and 2 positions require improvement.

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

The evidentiary part

The self-assessment report of the university provides the necessary information on the issues of continuous monitoring and periodic evaluation of educational programs of the accredited cluster. Monitoring and periodic evaluation of the educational program of the accredited specialty are aimed at achieving the goals of the EP, the full formation of the planned learning outcomes. The management of the university has defined its own requirements for the format of monitoring and periodic evaluation. The process described in the self-report and the procedures for monitoring the implementation of the EP generally correspond to reality. The EEC was convinced that the management of the university and the EP is constantly monitoring compliance with the order, rules and deadlines for the development and provision of all types and forms of educational and methodological support for the educational process by the teaching staff. The Department, the Dean's office and the rector's office monitor on a regular basis with the recording of the results, the results of this control of the implementation of the EP. Additional opportunities for effective and continuous monitoring of the EP are added by mutual visits of teaching staff, as well as visits to classes by the head of the department. An important component of monitoring is the analysis of the progress and problems of the implementation of the modular competence approach characteristic of accredited EP. This type of monitoring is carried out on a systematic basis. It should also be noted that there are such aspects of constant monitoring, such as, for example, the analysis of the activities of advisors; analysis of compliance with the implementation of the university's mission and scientific goals; involvement in this monitoring and evaluation of employers, practitioners, managers of practice bases; reviewing and examination of catalogs of elective disciplines; assessment of the quality, content and consistency of the implementation of the modular principle of building the educational process along each trajectory within the specialty and level of study; assessment of the quality of language training, implementation of programs of trilingual education, as well as the study of additional foreign languages; monitoring of learning outcomes, which are reflected in the cycles of basic, profiling and elective disciplines and in additional modules (professional practice, research, thesis (project), master's thesis); monitoring of the load of students - real-time costs for the effective implementation of all planned types of educational activities (attendance of lectures, seminars; SRS and SRM, SRSP and SRMP); preparation and defense of projects, exams, etc. To determine the level of satisfaction of students, a survey of students, teachers and university staff is conducted. The department carries out systematic monitoring of the teaching staff load, student progress and employment of graduates. Monitoring is carried out through its own portal, carried out by the departments of the rector's office. The monitoring results are available to all internal and external users through the university's website and internal networks.

Analytical part

During the analysis of the criteria of this standard, the Commission notes the following: the university management has demonstrated its openness and accessibility to students, teaching staff, employers. Reception hours for personal matters have been determined, meetings with the rector,

vice-rectors, and dean are held on a systematic basis. As a communication channel for proposals, traditional feedback forms are used - meetings with the management and the rector's blog. The University systematically provides a review of the content and structure of educational programs, which strengthens the procedures for continuous monitoring of the EP. However, the Commission notes the need to publish the results of the revision of the content and structure of educational programs in the context of market changes, employers' requirements, social demands of society on an ongoing basis.

According to the results of the analysis of the students' questionnaire, 60.0% of the respondents were satisfied, and 31.7% were partially satisfied with the fairness of the exams and attestation.

The interview with students also showed a high degree of satisfaction of students and undergraduates with the assessment of academic performance.

Strengths/best practice for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- according to this standard, the EEC does not note strengths.

Recommendations for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

1. The management of accredited educational institutions should ensure the publication of information about all changes made and actions taken in relation to educational institutions in external sources of information, as well as on the university's website, with its regular updating.

According to the standard "On-Goig Monitoring and Periodic Review of Educational Programme" educational programs 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy have 9 satisfactory positions and 1 position requires improvement.

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

The evidentiary part

The university management creates conditions for the implementation of the principles of student-centered learning, ensuring respect and attention to various groups of students and their needs: providing flexible learning paths; using various forms of teaching; regular feedback on techniques and methods used to evaluate and adjust pedagogical methods; supporting student autonomy while providing appropriate guidance and assistance from the teacher; strengthening mutual respect between the teacher and the student; having appropriate procedures for responding to student complaints.

The use of innovations in the educational process is manifested through the use of various active forms and methods of teaching, including the creation of projects, preparation of public speeches, discussion of problems, artificial creation of uncertainty or problematic situations, preparation of professionally directed videos and presentations. Acting within the framework of the credit system of training, departments create the most favorable conditions for students to master the disciplines of the specialty. The entire volume of SRO is confirmed by tasks that require students to work independently on a daily basis. The management of the EP monitors the student's independent work and an adequate assessment of its results. The thesis completes the training of a specialist and shows his willingness to solve theoretical and practical problems in his specialty. The purpose of the thesis: systematization and deepening of theoretical and practical knowledge in the chosen specialty; acquisition of skills of independent work; mastering the methodology of research, generalization and logical presentation of the material.

The system of social support for university students is able to respond promptly to the dangers of the external environment associated with the deterioration of the economic situation and a decrease in the solvency of the population. Identification of needs is carried out when

students contact the curator, the head of the department, the dean's office. For example, during meetings, conversations with students, the possibility of providing a place in university dormitories, allowing monthly payment, etc. were revealed.

The plan for the development of educational programs is formed taking into account the use of various teaching methods and knowledge control, an individual educational program, including regardless of the language. A combination of various forms of education and forms of training is allowed. Consideration of the needs of different groups of students is reflected in the academic calendar, which is formed at the beginning of each academic year. Students of different forms have differences in the timing of the academic process.

Analytical part

The analysis of the standard "Student-centered learning, teaching and assessment of academic performance" showed that modern information and pedagogical learning technologies are used for accredited educational institutions. The EEC confirms that the main direction of the university's academic policy is to meet the needs of various categories of students. The university creates the necessary learning conditions for each student, promotes the self-realization of each student, as well as the professional growth of the teacher. Equal opportunities for students are provided regardless of the language of instruction for the formation of an individual educational program aimed at the formation of professional competence. The catalog of elective disciplines, regardless of the language of instruction, is identical and is created taking into account the interests and needs of students, expert opinions of employers and other interested parties. The formation of an individual trajectory of education is carried out by students independently on the basis of the choice of disciplines and recommendations of advisors. The EEC states that in order to determine the needs of various categories of students, data from monitoring and analysis of academic performance in the context of educational programs, courses are used; information received from students during students' appeals to the dean's office and other structural units is used. An important factor is the university's own research in the field of teaching methods of academic disciplines. However, in the course of remote attendance of classes, the use of their own research and forms of innovative teaching methods of teaching teaching staff in the field of teaching academic disciplines of accredited EP was not traced. And also during the interview with the teaching staff, the commission was convinced of the lack of competence in methods of evaluating the results of students' achievements in distance learning.

The survey of students showed the general satisfaction of students with the support of educational materials in the learning process and the existing educational resources of the university. For example, 75.0% of the surveyed students were satisfied, 21.7% were partially satisfied.

According to the results of the survey, 73.3% of the surveyed students were satisfied with the speed of response to feedback from teachers regarding the educational process, 23.3% were partially satisfied. Also, according to the results of the survey, it was found that of the respondents surveyed, only 38.3% were satisfied and 28.3% were partially satisfied with the provision of rest rooms.

Strengths/best practice for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- according to this standard, the EEC does not note strengths.

Recommendations for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

1. The management of the EP, including the head of the department, the educational and methodological commission, by attending classes, analyzing the UMKD, etc., annually monitor and analyze the effectiveness of the applied teaching methods and evaluation of specialized disciplines. The minutes of the meetings of the departments reflect the introduction of proposals

for the introduction of new teaching and assessment methods, as well as to ensure the dissemination of information about the positive results of their own research on the university's web resource.

According to the standard " Student-Centered Learning, Teaching and Performance Evaluation " educational programs 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy have 9 satisfactory positions and 1 position requires improvement.

6.6. Standard "Students"

The evidentiary part

The policy of forming a contingent of students consists in admitting to the number of students those who are most prepared for studying at a university, who consciously chose a specialty, scored the required number of points according to the results of UNT and KTA (graduates of general secondary schools, colleges) on the basis of a state order (grant) and paid, as well as specialists with diplomas for obtaining a second higher education on the basis of an interview. The formation of a contingent of students is carried out by placing a state educational order for the training of scientific personnel, as well as paying for training at the expense of citizens' own funds and other sources. Career guidance work informing the contingent of students is carried out on the basis of a well-founded system of forms, methods and means of influence, professional selection of applicants for EP and areas of training. The procedure for admission and enrollment to educational programs is based on the following documents: the Law of the Republic of Kazakhstan "On Education" dated July 15, 2011 № 461-IV; Order of the Minister of Education and Science of the Republic of Kazakhstan dated June 17, 2015 № 391 "On approval of qualification requirements for educational activities and a list of documents confirming compliance with them"; Order of the Minister of Education and Science of the Republic of Kazakhstan dated April 20, 2011 № 152 "On approval of the Rules of organization of the educational process on credit technology of education" and a number of SES, etc. The issues of the formation of the contingent and the results of admission are considered at the meetings of departments, faculty Councils, and the rector's office. The process of managing the movement of the contingent of students includes - enrollment of students on the basis of approved Admission Rules to the university; formation of groups of students on the basis of orders by the deans of faculties, combining groups into streams; formation of groups of students; issuance of an order on enrollment of students; transfer of personal files of students to the student department of the university. The university's website provides detailed information about undergraduate and postgraduate education, including current bachelor's and doctoral degree programs in specialties, admission requirements, payment, grants and information about the open day. Also, all interested persons can get the necessary information directly at the graduating departments.

There is an adaptation program for international students and first-year students, which includes a set of measures for socio-psychological and academic support, a psychological counseling office, a service of advisors and curators has been created. The service of advisors (academic mentors) was created for the purpose of academic support of students. Experienced teachers (senior teachers, associate professors) are appointed to the position of an adviser.

To solve the problems of employment of graduates after the university, the staff of the departments pays serious attention to the internship of students of the specialty. Feedback is provided to employers (questionnaires, interviews, responses and reviews of employers). One of the ways to assist in finding employment is the annual "Job Fairs", as well as holding round tables with employers and graduates of the specialty. The university provides graduates with documents confirming their qualifications, including the achieved learning outcomes in the form of a diploma and a transcript to it. The bachelor's diploma contains information about the decision of the State Attestation Commission (SAC) and the assignment of the academic degree of bachelor, master, indicating the individual number of the diploma signed by the Chairman of the SAC, the rector

and the secretary. The transcript is a list of the disciplines passed by the student for the entire period of study, indicating the discipline code, the number of credits, the grade received (in percentages, alphabetic, in points, traditional).

To guarantee objective recognition of higher education qualifications, periods of study and previous education, including recognition of non-formal education, the University: ensures compliance with the Lisbon Recognition Convention; cooperates with the Center for the Bologna Process and Academic Mobility of the Ministry of Education and Science of the Republic of Kazakhstan, which is the executive body for the recognition and nostrification procedure in the Republic of Kazakhstan.

Analytical part

The information presented in the self-report in the context of this standard was mainly confirmed during the online visit of the EC. At the same time, the external commission notes that, as an interview with graduates showed, not all of them are aware that there is an Alumni Association at the university, the purpose and task of which is to establish and strengthen business ties with companies and organizations in which graduates of the university successfully work. The Alumni Association collects proposals on improving the educational process at the university in time for production practices, graduates working at enterprises patronize students.

The university has concluded contracts with practice bases, which provides students with the opportunity to undergo production and research practices in large agricultural enterprises and research institutes of the republic. However, the heads of the OP did not provide documents for monitoring the effectiveness of concluded contracts, as well as a mechanism for updating the database of practices. Based on the results of interviewing, familiarization with various documentation, material and technical base, information and methodological resources of the university and departments, and questionnaires of students and teaching staff, the VEC NAAR notes the following:

Strengths/best practice for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- according to this standard, the VEC does not note strengths.

Recommendations for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

1. The management of the EP annually monitor the effectiveness of existing contracts on practice bases with an annual update of the list of practice bases by 10-15%, where students will be provided with conditions and opportunities to obtain the necessary practical skills in their specialization.

2. The University management should take measures to improve the effectiveness of the Alumni Association, namely, to start implementing the Association's work plan, while informing about the activities of the Association through all possible informative sources.

According to the standard " Students " educational programs 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy have 10 satisfactory positions and 2 positions require improvement.

6.7. Standard "Teaching Staff"

The evidentiary part

The management of the EP demonstrates the application of the personnel policy of the university for the teaching staff involved in the implementation of the EP. Recruitment is carried out on the basis of an analysis of the needs of the educational program, according to the results of which a competition is announced to fill vacant positions. The competition for the vacant positions

of teaching staff and researchers at the university is held in accordance with the current legislation. The main provisions of the university's personnel policy are compliance with the standard qualification characteristics for employees of educational institutions approved by the order of the Ministry of Education and Science; availability of higher and postgraduate education in the relevant specialties, productive scientific activity, as well as competence and competitiveness. The heads of structural divisions determine the requirements for the competence of personnel on the basis of job descriptions, qualification requirements, and the specifics of the work performed. The heads of structural divisions submit to the personnel department the competence requirements for each position, issued in the form of job descriptions. The personnel department is engaged in the selection of personnel, registration of their admission, relocation and dismissal, preparation of documents for approval in the positions of employees. The document flow associated with the PPP (personal files, workbooks, orders, regulations, etc.) is systematically updated as needed. Indicators on the qualitative and quantitative composition of teaching staff confirm the availability of human resources necessary for the implementation of the entire range of educational programs and corresponding to the qualification requirements for licensing educational activities. The implementation of EP 6B08101, 6M08101, 6D08101-Agronomy is provided by the Department of "Agronomy". The staffing of the teaching staff in the specialties of the department is 100%. The average age of full-time teaching staff with academic degrees and titles in the 2020-2021 academic year was 48 years. The degree of teaching staff in the specialties of the Department of "Agronomy" is 63.3% in the reporting period. The management of the EP demonstrates awareness of responsibility for its employees and ensuring favorable working conditions for them and changing the role of the teacher in connection with the transition to student-centered learning. Favorable working conditions in general at the university and taking into account the specifics of the EP include: maintenance of sanitary and hygienic conditions, uninterrupted supply of electricity, thermal energy, cold water, uninterrupted communication. Social support for employees is provided by the university's trade union committee. The management of the EP provides monitoring of the activities of teaching staff, a systematic assessment of the competence of teachers, a comprehensive assessment of the quality of teaching, including an assessment of the satisfaction of teachers and students. A survey of teaching staff on the question of satisfaction is systematically conducted. Systematic assessment of the competence of teachers, evaluation of the effectiveness of the quality of teaching at the department to disclose the content of training courses and the formation of students' knowledge, skills and competencies necessary to achieve the learning outcomes provided for by the program goals, is implemented through internal evaluation (open classes, mutual visits, control visits by the head of the department, speeches at scientific-theoretical and scientific-methodological seminars). The heads of undergraduates and doctoral students have from 1 to 2 h-index, there are holders of the title "Best University teacher". Also, in accordance with the strategy of the university, teaching staff at a high level are working on the recognition of EP - the distribution of EP advertising, Internet openness (Internet site, social networks, media, videos, presentations, etc.), graduates are trained at a high level (GPA), etc. (<https://www.kaznau.kz>). There is a significant degree of proficiency in teaching methods that are adopted by the EP for a group of training courses implemented by them (journal of mutual visits, analyses of open classes, etc.). The management of the EP ensures the completeness and adequacy of individual planning of the work of teaching staff in all types of activities, monitoring of the effectiveness and effectiveness of individual plans, evidence of teachers' fulfillment of all types of planned workload has been demonstrated. The workload of the teaching staff includes educational, methodical, scientific, organizational and methodological work, improving professional competence. Educational and methodological complexes have been developed for all disciplines of the departments, where syllabuses of academic disciplines, lectures, seminar plans, tasks on SRO, types of control, questions and tasks, rating tasks, exam materials are presented. The management of the EP demonstrated support for the research activities of the teaching staff, providing a link between scientific research and training. Scientific results are used in the educational process and are used in various industries.

Analytical part

In the course of the work, according to familiarization with the teaching methodology during class visits, based on interviews conducted with students, graduates, employers, the commission noted that, in general, teachers use interactive teaching methods, but it is necessary to improve the teaching methodology in connection with the development of innovative learning technologies.

During interviews with teachers, they noted that there is not enough time to actively engage in science due to the workload of classes and other types of work. The commission also noted that academic mobility of teaching staff is not sufficiently developed. It is necessary to expand the programs and the number of teachers participating in the framework of academic mobility. It is also necessary to intensify the participation of teachers in joint scientific research with foreign partners and international projects.

According to the results of the IAAR survey, the teaching staff express full satisfaction with the level of accessibility of the university management 61.5%; encouragement of innovation activity 66.7%, the level of stimulation of young professionals to the educational process 59%, recognition of the potential and abilities of teachers 53.8%. The teaching staff gives the following assessment of academic mobility set at the university - 51.3% are fully satisfied and teachers' professional development - 53.8%.

Strengths/best practice for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy are:

1. The university demonstrates the compliance of the personnel potential of the teaching staff with the development strategy of the university and the specifics of the EP (https://www.kaznau.kz/file_archive). Teaching staff providing educational programs "Agronomy" have the appropriate scientific potential, scientific rating, practical experience, teaching experience, correspond to the implementation of the strategy of the university, one of the indicators of which is the combination of education, science and practice.

Recommendations for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

1. The university management should develop a mechanism to stimulate the use of teaching staff of online learning technologies based on electronic courses of disciplines and MOE by the 2021-2022 academic year.

2. To strengthen the work on the development of academic mobility, professional development of teaching staff, attracting the best foreign and domestic teachers and conducting joint research on the profile of EP in the implementation of accredited educational programs.

According to the standard "Teaching Staff" educational programs 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy have 1 strong, 9 satisfactory positions and 2 positions require improvement.

6.8. Standard "Education Resources and Student Support Systems"

The evidentiary part

During the work of the EEC, experts made sure that the university has material, technical, information and library resources used to organize the process of teaching and educating students and to implement the mission, goals and objectives of the university. An important factor in ensuring the quality of education and guaranteeing the sustainable development of the university is the constant improvement of material, technical and human resources. The Academy has created conditions for teaching students, conducting scientific research, publishing research results of teaching staff, staff and students. There is a system of student support, a medical office, recreation areas, catering areas, a gym, a library, and a dormitory. All classrooms used in the educational process of the cluster are connected to the global Internet and the local network of the university.

The classrooms are decorated with stands and educational materials. interactive whiteboards, projectors. Students of the EP cluster use the computer rooms of the university, connected to a local network, and connected to broadband Internet access. All buildings in which classes are held comply with sanitary standards, fire safety requirements and the requirements of the state mandatory standards of the implemented specialties.

There is also a wireless Internet Wi-Fi at the university. All electrical appliances and office equipment comply with safety requirements. There is an editorial and publishing department with a production site, where printing equipment equipped with the necessary equipment is installed for the publication of teaching aids, books, visual aids. The workplaces of teaching staff and employees are provided with everything necessary - comfortable furniture, modern office equipment. In accordance with the university's development strategy and the planned modernization of the university's IT infrastructure, all the necessary resources of the departments are being upgraded. In general, the material, technical, information and library resources used to organize the process of education and upbringing are sufficient to fulfill the stated mission, goals and objectives and meet the requirements of accredited educational programs.

As a result of a visual inspection by the members of the EEC of the facilities of the material base, it was noted that in order to ensure the educational process of accredited educational programs, the university has all the necessary educational and material assets. Classroom and laboratory facilities, classrooms and other premises, sports facilities comply with established norms and rules. At the same time, the commission notes that the following issues related to this standard are not fully reflected in the self-report and were not confirmed during the online visit of the EEC: the university does not fully meet the special needs of students with disabilities, ramps and special markings for the visually impaired are not installed in the building of the agrobiological faculty.

Strengths/best practice for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- according to this standard, the VEC does not note strengths.

Recommendations for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

1. The management of the Educational Institution should include in the development plans of the educational institution an item on improving the infrastructure and educational and methodological support, taking into account the special needs of students (ramps, paths for the visually impaired, etc.), and also submit this issue for consideration and coordination with the university management in order to purchase the necessary equipment to meet the special needs of students.

According to the standard "Education Resources and Student Support Systems" educational programs 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy have 9 satisfactory positions and 1 position requires improvement.

6.9. Standard " Public Information"

The evidentiary part

The University's web resources are a means of supporting the educational process and an information exchange channel. The official information posted on the websites concerns the main areas of activity of the University and is intended for both external and internal use.

The University's Development Strategy is posted on the website (<https://www.kaznau.kz/>), Quality Assurance Policy (<https://www.kaznau.kz/>), information of a scientific and educational nature – the structure, history and achievements of the University, etc.

The official website operates in Kazakh, Russian and English. The site is hosted by the University, maintained and upgraded by employees of the Institute of IT Technologies.

The results of the external evaluation of the University are published on the official website in the section "Strategy"- "Accreditation": certificates of accredited University OP are presented https://www.kaznau.kz/page/strategiia/?link=akkreditueu_879&lang=ru, links to the websites of accreditation organizations are given; certificates of compliance with the requirements of the international standard are presented.

Following the principles of openness and accessibility to the public, the University openly publishes complete and reliable information about its activities, admission rules, educational programs, terms and form of study, information about the employment of graduates, reviews of graduates, contact and other information useful for applicants and students on various information carriers. Teachers participate in events aimed at informing students, applicants and all interested parties. The university has a variety of ways to disseminate information to inform the general public and interested persons. All published information is accurate, objective and up-to-date. The main channel for informing the public (future students, their parents, students, graduates and employers) is the official website of the University, social media accounts: in Contact, Youtube, facebook (University), Instagram. A corporate media resource, the university newspaper, is actively used to provide information to the internal environment. All important events held by the university are reflected in presentations on large-format permanent monitors located at the university. In order to establish feedback with students and employers, admission on personal and other issues is carried out by the heads of departments at certain hours when interested persons can get the necessary information. Communication with students is also carried out through the university portal, e-mail communication. The feedback of the university management with the public is carried out with the help of a functioning rector's blog. The university's website contains information on financial activities in accordance with International and Financial Reporting Standards. The university's website also contains information and links to external resources based on the results of external evaluation procedures. All publications are informational, image, explanatory in nature. To inform applicants, information boards, posters, stands, banners, as well as signs with the names of departments are placed in the lobby of the university.

Analytical part

At the same time, the Commission notes that the following issues regarding this standard are not fully reflected in the self-report and were not confirmed during the visit of the EC. There is no information about the employment of graduates, reviews of graduates. The website reflects information about structural divisions and departments, but there is no complete information about teaching staff and their activities, and also on the website in the "Graduates" section in the "Vacancies" tab, the information is presented very briefly and is not updated.

Strengths/best practice for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- according to this standard, the VEC does not note strengths.

Recommendations for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

1. The responsible structural unit on the University's website should ensure that the "Graduates/ Vacancies" tab is filled in in a timely and systematic manner, as well as include the "Partners/ Graduates' Resumes" tab with annual data updates.

2. In order to provide complete and objective information to the management of accredited OPS, as well as to inform the public about the availability of professional personnel within the accredited OPS, namely, about the teaching staff implementing the OPS during the entire training period, update the personal data of the teaching staff of the departments in the relevant sections.

According to the standard "Public Information" educational programs 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy have 11 satisfactory positions and 2 positions require improvement.

6.10. Standard "Standards in the context of individual specialties"

The evidentiary part

The current state of training within the framework of the EP is supported by educational and methodological materials, the introduction of new elective disciplines, taking into account the recommendations of employers. Monitoring of the impact of innovations in the educational process on learning outcomes is carried out at various levels. At the department – through a system of mutual attendance of training sessions, discussions at methodological seminars. At the university - through attending master classes, advanced training of teaching staff at courses, trainings. In order to familiarize students with the professional environment and current issues in the field of specialization, as well as to acquire practical skills based on theoretical training, the education program provides various types of practices: educational, pedagogical, industrial, research. All types of practices are conducted in accordance with the standard curriculum, according to the academic calendar. The department has concluded contracts for professional practice, which define the responsibilities of the department, the base enterprise and students. The department has developed guidelines for the organization and conduct of practices, training programs. Students undergo practical training in accordance with the order of the rector of the higher educational institution, which specifies the base of practice, the timing of its passage and the heads of practice from the educational institution. At the end of the internship, students submit reports according to the approved form. The program is designed taking into account the requirements of the Bologna process, learning outcomes are expressed through competencies and are designed on the basis of Dublin descriptors. In the implementation of the OP, a systematic approach is implemented in its management, which ensures continuous improvement of the quality of educational services in accordance with the requirements of employers who participate in the formation of the content of the OP. In order to find employment and career guidance, contact with graduates is maintained by advisors who periodically hold round tables, open days and curatorial hours with undergraduate students. The University annually holds job fairs, which allows employers to establish contact with graduates to select the necessary personnel. As a result of such preliminary work, students, even before graduation, get an idea of the labor market, existing vacancies and the requirements imposed on them.

Analytical part

Based on the results of the analysis, the members of the EEC came to the following conclusion. Teachers themselves choose different teaching methods depending on the discipline, topic, number of students, undergraduates in the group, the level of training of students. However, the EEC Commission notes the weak application, search and implementation of modern information software systems for the study of special disciplines by students of accredited EP. During the work, the members of the VEC online visited the internship base of "BaiserkeAgro" LLP. An online examination and an interview with the heads of the practice base showed that, in general, conditions have been created for trainees to practice, they note a good level of their training, but the commission of the VEC notes the need to strengthen the practical skills of students during classroom classes.

Strengths/best practice for EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- according to this standard, the EEC does not note strengths.

Recommendations for EP 7M08101 Agronomy, 8D08101 Agronomy:

1. Considering that the use of ICT in the educational process corrects the teaching methodology, to put into practice permanent seminars for teaching staff on the methods of conducting classes using ICT in the core disciplines of the master's and doctoral studies.

According to the standard "Standards in the context of individual specialties" educational programs 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy have 4 satisfactory positions and 1 position requires improvement.



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

Standard " Management of Educational Program "

- strengths are not identified by the members of the EEC.

Standard " Information Management and Reporting "

- strengths are not identified by the members of the EEC.

Standard " Development and approval of the Educational Programme "

- strengths have not been identified by the members of the EEC.

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

- strengths were not identified by the members of the EEC.

Standard " Student-Centered Learning, Teaching and Performance Evaluation "

- strengths are not identified by the members of the EEC.

Standard " Students"

- strengths are not identified by the members of the EEC.

Standard " Teaching Staff "

- The university demonstrates the compliance of the personnel potential of the teaching staff with the development strategy of the university and the specifics of the EP (https://www.kaznau.kz/file_archive).

Teaching staff providing educational programs "Agronomy" have the appropriate scientific potential, scientific rating, practical experience, teaching experience, correspond to the implementation of the strategy of the university, one of the indicators of which is the combination of education, science and practice.

Standard " Education Resources and Student Support Systems "

- strengths have not been identified by the members of the EEC.

Standard " Public Information "

- strengths are not identified by the members of the EEC.

Standard " Standards in the context of individual specialties"

- strengths have not been identified by the members of the EEC.

(VIII) OVERVIEW OF RECOMMENDATIONS ON QUALITY IMPROVEMENT**Standard " Management of Educational Program "****For EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:**

- To revise the Development Plan of the Educational System until March 2021, including the form and structure of educational programs, taking into account modern approaches and requirements for educational statistics and monitoring of indicators.
- To expand the use of active and innovative teaching methods in the educational process in the core disciplines of the Master's and doctoral studies of the EP.
- To ensure the completion of advanced training courses for managers of the EP "Agronomy" in the field of education management in the 2020-2021 academic year.
- The management of the EP should reflect the description of the progress achieved in the self-assessment documents when implementing the recommendations received as a result of the previous accreditation procedure, taking into account the results of interim post-monitoring reports.

Standard " Information Management and Reporting "**For EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:**

- There are no recommendations for this standard.

Standard " Development and approval of the Educational Programme "**For EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:**

- It is recommended to introduce modules into the discipline programs that allow students to prepare for professional certification in the 2021-22 academic year.
- The management of the EP should include an item in the development plans of the EP aimed at developing professional cooperation with Kazakh and foreign educational organizations on accredited EP for the harmonization of modules and the development of joint EP, to begin developing joint educational programs from 2021 with a view to starting its implementation by 2023.

Standard " On-Goig Monitoring and Periodic Review of Educational Programme "**For EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:**

- To ensure the publication of information about all changes made and actions taken in relation to the accredited EP in external sources of information, as well as on the university's website, with its regular updating.

Standard " Student-Centered Learning, Teaching and Performance Evaluation "**For EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:**

- The management of the EP, including the head of the department, the educational and methodological commission, by attending classes, analyzing the UMKD, etc., annually monitor and analyze the effectiveness of the applied teaching methods and evaluation of specialized disciplines. The minutes of the meetings of the departments reflect the introduction of proposals for the introduction of new teaching and assessment methods, as well as to ensure the dissemination of information about the positive results of their own research on the university's web resource.

Standard " Students"**For EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:**

- The management of the EP annually monitor the effectiveness of existing contracts on practice bases with an annual update of the list of practice bases by 10-15%, where students will be provided with conditions and opportunities to obtain the necessary practical skills in their specialization.

- The University management should take measures to improve the effectiveness of the Alumni Association, namely, to start implementing the Association's work plan, while informing about the activities of the Association through all possible informative sources.

Standard " Teaching Staff "

For EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- The management of the university to develop a mechanism to stimulate the use of teaching staff of online learning technologies based on electronic courses of disciplines and MOE by the 2021-2022 academic year.

- To strengthen the work on the development of academic mobility, professional development of teaching staff, attracting the best foreign and domestic teachers and conducting joint research on the profile of EP in the implementation of accredited educational programs.

Standard " Education Resources and Student Support Systems "

For EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- The management of the Educational Institution should include in the development plans of the educational institution an item on improving the infrastructure and educational and methodological support, taking into account the special needs of students (ramps, paths for the visually impaired, etc.), and also submit this issue for consideration and coordination with the university management in order to purchase the necessary equipment to meet the special needs of students.

Standard " Public Information "

For EP 6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy:

- The responsible structural unit on the university's website should timely and systematically ensure that the "Graduates/ Vacancies" tab is filled in, as well as include the "Partners/ Graduates' Resumes" tab with annual data updates.

- To the management of accredited OPS to provide complete and objective information, as well as to inform the public about the availability of professional personnel within the accredited OPS, namely, about the teaching staff implementing the OPS during the entire training period, update the personal data of the teaching staff of the departments in sections.

Standard " Standards in the context of individual specialties"

- Taking into account that the use of ICT in the educational process corrects the teaching methodology, to put into practice permanent seminars for teaching staff on the methods of conducting classes using ICT in the core disciplines of master's and doctoral studies.

Appendix 1. Evaluation table "Conclusion of the external expert commission"
(6B08101 Agronomy, 7M08101 Agronomy, 8D08101 Agronomy)

№	№	Evaluation criterion	Position of the educational organization			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard " Management of Educational Program "						
1	1.	The University must have a published quality assurance policy.	+			
2	2.	Quality assurance policies should reflect the relationship between research, teaching, and learning.	+			
3	3.	The University must demonstrate the development of a culture of quality assurance, including in the context of EP.	+			
4	4.	Commitment to quality assurance should apply to all activities performed by contractors and partners (outsourcing), including joint/double-degree education and academic mobility.		+		
5	5.	The EP management ensures transparency in the development of the EP development plan 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.	+			
6	6.	The EP management demonstrates the functioning of mechanisms for forming and regularly reviewing the EP development plan and monitoring its implementation, evaluating the achievement of training goals, meeting the needs of students, employers and society, and making decisions aimed at continuous improvement of the EP.	+			
7	7.	The management of the EP should involve representatives of groups of interested persons, including employers, students and teaching staff in the formation of the EP development plan.	+			
8	8.	EP leadership must demonstrate the individuality and uniqueness of the development plan of EP, its consistency with national development priorities and development strategy of the organization of education.	+			
9	9.	The University must demonstrate a clear definition of those responsible for business processes within the framework of the EP, an unambiguous distribution of staff responsibilities, and differentiation of functions of collegial bodies.	+			
10	10.	The EP management must provide evidence of the transparency of the educational program management system.	+			

11	11.	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, and fact-based decision-making.	+			
12	12.	The management of the EP should manage risks.	+			
13	13.	The management of the EP should ensure the participation of representatives of interested persons (employers, teaching staff, students) in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.	+			
14	14.	The University must demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals.	+			
15	15.	The EP management must demonstrate evidence of openness and accessibility to students, faculty, employers, and other stakeholders.	+			
16	16.	The management of the EP must be trained in educational management programs.	+			
17	17.	The EP management 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.	+			
Total by standard			16	1		
Standard " Information Management and Reporting "						
18	1.	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.	+			
19	2.	The EP management should demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.	+			
20	3.	There should be a system of regular reporting that reflects all levels of the structure, including an assessment of the effectiveness and efficiency of departments and research.				
21	4.	The University must establish the frequency, forms and methods of evaluating the management of the EP, the activities of collegial bodies and structural divisions, senior management, and the implementation of scientific projects.	+			
22	5.	The University must demonstrate the definition of the procedure and ensuring the protection of information, including the identification of responsible persons for the accuracy and timeliness of information analysis and data provision.	+			
23	6.	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.		+		

24	7.	The EP management should demonstrate that there is a mechanism for communication with students, employees, and other stakeholders, including mechanisms for conflict resolution.		+		
25	8.	The University should measure the degree of satisfaction with the needs of teaching staff, staff and students in the framework of the EP and demonstrate evidence of elimination of the identified shortcomings.		+		
26	9.	The University should evaluate the effectiveness and efficiency of its activities, including in the context of the EP.	+			
		<i>Information collected and analyzed by the University should take into account:</i>				
27	10.	key performance indicator;	+			
28	11.	dynamics of the contingent of students in the context of forms and types;	+			
29	12.	level of academic performance, achievement of students and the dismissal;	+			
30	13.	students' satisfaction with the implementation of the EP and the quality of education at the University;	+			
31	14.	availability of educational resources and support systems for students;	+			
32	15.	employment and career development of graduates.	+			
33	16.	Students, employees, and teaching staff must document their consent to the processing of personal data.		+		
34	17.	The management of the EP should help to provide all the necessary information in the relevant fields of science.	+			
Total by standard			13	4		
Standard " Development and approval of the Educational Programme "						
35	1.	The University should define and document the procedures for the development of the EP and their approval at the institutional level.	+			
36	2.	The management of the EP should ensure that the developed EP meets the set goals, including the expected learning outcomes.	+			
37	3.	The EP management should ensure that there are developed models of the EP graduate describing learning outcomes and personal qualities.	+			
38	4.	The management of the EP must demonstrate the conduct of external reviews of the EP.	+			
39	5.	The qualifications obtained at the end of the EP must be clearly defined, explained and correspond to a certain level of the NSC.	+			
40	6.	The EP management should determine the impact of disciplines and professional practices on the formation of learning outcomes.		+		
41	7.	An important factor is the ability to prepare students for professional certification.	+			

42	8.	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.	+			
43	9.	The labor intensity of the EP should be clearly defined in Kazakhstan loans and ECTS.	+			
44	10.	The management of the EP should provide the content of academic disciplines and results of training at the level of education (bachelor's, master's, doctoral studies).	+			
45	11.	The structure of the EP should include various types of activities that correspond to the results of training.		+		
46	12.	An important factor is the availability of joint EP with foreign educational organizations.		+		
Total by standard			9	3		
Standard " On-Goig Monitoring and Periodic Review of Educational Programme "						
47	1.	The University should monitor and periodically evaluate the EP in order to ensure that the goal is achieved and meet the needs of students and society. The results of these processes are aimed at continuous improvement of the EP.	+			
		<i>Monitoring and periodic evaluation of the EP should consider:</i>				
48	2.	content of programs in the light of the latest scientific achievements in a particular discipline to ensure the relevance of the discipline taught;	+			
49	3.	changes in the needs of society and the professional environment;		+		
50	4.	load, academic performance and graduation of students;		+		
51	5.	effectiveness of student assessment procedures;	+			
52	6.	expectations, needs, and satisfaction of students with training in EP;	+			
53	7.	educational environment and support services and their compliance with the goals of the EP.	+			
54	8.	The University and the management of the EP must provide evidence of participation of students, employers and other stakeholders in the revision of the EP.	+			
55	9.	All interested parties should be informed of any planned or taken actions in relation to the EP. All changes made to the EP must be published.		+		
56	10.	The management of the EP should ensure that the content and structure of the EP are reviewed, taking into account changes in the labor market, the requirements of employers and the social demand of society.	+			
Total by standard			7	3		
Standard "Student-Centered Learning, Teaching and Performance Evaluation "						
57	1.	The EP management should ensure respect and attention to different groups of students and their needs, and provide them with flexible learning paths.	+			

58	2.	The EP management should ensure that various forms and methods of teaching and learning are used.	+			
59	3.	An important factor is the availability of own research in the field of teaching methods of educational disciplines of the EP.		+		
60	4.	The EP management should demonstrate that there is a feedback system for using various teaching methods and evaluating learning outcomes.	+			
61	5.	The EP management should demonstrate support for students ' autonomy while providing guidance and assistance from the teacher.	+			
62	6.	The EP management must demonstrate that there is a procedure for responding to student complaints.	+			
63	7.	The University must ensure consistency, transparency and objectivity of the learning outcomes assessment mechanism for each EP, including the appeal.	+			
64	8.	The University must ensure that the procedures for evaluating the learning outcomes of students in the EP are consistent with the planned learning outcomes and program goals. The evaluation criteria and methods for the EP should be published in advance.	+			
65	9.	The University should determine the mechanisms for ensuring that each graduate of the EP learns the results of training and ensures the completeness of their formation.	+			
66	10.	Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area.		+		
Total by standard			8	2		
Standard " Students"						
67	1.	The University must demonstrate the policy of forming a contingent of students from admission to graduation and ensure transparency of its procedures. Procedures governing the life cycle of students (from admission to completion) must be defined, approved, and published.	+			
68	2.	The EP management should demonstrate that special adaptation and support programs are being implemented for newly enrolled and foreign students.	+			
69	3.	The University must demonstrate that its actions comply with the Lisbon recognition Convention.	+			
70	4.	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 information centers of Recognition " ENIC / NARIC in order to ensure comparable recognition of qualifications.	+			
71	5.	The management of the EP should 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.		+		

72	6.	The University should provide opportunities for external and internal mobility of students of the EP, as well as assist them in obtaining external grants for training.	+			
73	7.	The management of the EP should make the maximum amount of effort to provide students with places of practice, promote employment of graduates, and maintain communication with them.		+		
74	8.	The University must provide graduates of the EP with documents confirming their qualifications, including the results achieved, as well as the context, content and status of their education and certificates of completion.	+			
75	9.	An important factor is monitoring the employment and professional activities of graduates of the EP.	+			
76	10.	The EP management should actively encourage students to self-education and development outside the main program (extracurricular activities).	+			
77	11.	An important factor is the existence of a functioning alumni Association.	+			
78	12.	An important factor is the availability of a support mechanism for gifted students.	+			
Total by standard			10	2		
Standard " Teaching Staff "						
79	1.	The University must have an objective and transparent personnel policy that includes hiring, professional growth and development of staff, ensuring the professional competence of the entire staff.	+			
80	2.	The University must demonstrate that the personnel potential of the teaching staff corresponds to the development strategy of the University and the specifics of the EP.	+			
81	3.	The management of the EP must demonstrate an awareness of responsibility for its employees and provide them with a favorable working environment.	+			
82	4.	The EP management should demonstrate a change in the role of the teacher in connection with the transition to student-centered learning.	+			
83	5.	The University must determine the contribution of the teaching staff to the implementation of the University's development strategy, and other strategic documents.	+			
84	6.	The University should provide opportunities for career growth and professional development of the teaching staff of the EP.	+			
85	7.	The management of the EP should involve practitioners of the relevant industries in teaching.		+		
86	8.	The management of the EP should provide targeted actions for the development of young teachers.		+		
87	9.	The University must demonstrate motivation for the professional and personal development of teachers of the University, including encouraging both the integration of research and education, and the use of innovative teaching methods.	+			

88	10.	An important factor is the active use of information and communication technologies in the educational process (for example, on-line training, e-portfolio, MOE, etc.).		+		
89	11.	An important factor is the development of academic mobility within the framework of the EP, attracting the best foreign and domestic teachers.		+		
90	12.	An important factor is the involvement of the PPS EP to society (the role of PPP in education, in science, in the region, creating cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).	+			
Total by standard			8	4		
Standard " Education Resources and Student Support Systems "						
91	1.	The management of the EP must demonstrate that the material and technical resources and infrastructure are sufficient.	+			
92	2.	The EP management should demonstrate that there are procedures in place to support various groups of students, including information and counseling.		+		
		<i>The management of the EP must demonstrate that the information resources correspond to the specifics of the EP, including compliance with:</i>				
93	3.	technological support for students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);		+		
94	4.	library resources, including the collection of educational, methodological and scientific literature on General education, basic and specialized disciplines on paper and electronic media, periodicals, access to scientific databases;		+		
95	5.	access to online educational resources;	+			
96	6.	examination of the results of research, final papers and dissertations for plagiarism;	+			
97	7.	functioning of WI-FI on the territory of the educational organization.	+			
98	8.	The University should strive to ensure that the training equipment and software used for the development of EP are similar to those used in the relevant industries.	+			
99	9.	The University must ensure compliance with safety requirements in the learning process.	+			
100	10.	The University should strive to take into account the needs of various groups of students in the context of EP (adults, working, foreign students, as well as students with disabilities).		+		
Total by standard			7	3		
Standard " Public Information "						
		<i>The information published by the University within the framework of the EP must be accurate, objective, relevant and should include:</i>				

101	1.	implemented programs, indicating the expected learning outcomes;	+			
102	2.	information about the possibility of assigning qualifications at the end of the EP;	+			
103	3.	information about teaching, training, and evaluation procedures;	+			
104	4.	information about passing points and training opportunities provided to students;		+		
105	5.	information about employment opportunities for graduates.		+		
106	6.	The management of the EP should use a variety of ways to disseminate information (including mass media, web resources, information networks, etc.) to inform the General public and interested persons.	+			
107	7.	Public awareness should support and explain the country's national development programs and the system of higher and postgraduate education.		+		
108	8.	The University must publish audited financial statements on its own web resource.			+	
109	9.	The University must demonstrate the reflection on the web resource of information that characterizes the University as a whole and in the context of EP.	+			
110	10.	An important factor is the availability of adequate and objective information about the staff of the EP, in the context of personalities.	+			
111	11.	An important factor is to inform the public about cooperation and interaction with partners within the framework of the EP, including scientific/consulting organizations, business partners, social partners and educational organizations.	+			
112	12.	The University should post information and links to external resources based on the results of external assessment procedures.	+			
113	13.	An important factor is the participation of the University and implemented EP in a variety of external assessment procedures.	+			
Total by standard			9	3	1	
Standards in the context of individual specialties						
Standard " Standards in the context of individual specialties"						
114	1.	In order to familiarize students with the professional environment and current issues in the field of specialization, as well as to acquire skills based on theoretical training, the educational program should include disciplines and activities aimed at obtaining practical experience and skills in the specialty in General and in the profile disciplines in particular, including:: - <i>excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, educational and experimental farms, etc.),</i> - <i>conducting individual classes or entire disciplines at the enterprise of specialization,</i>	+			

		- conducting seminars to solve practical problems relevant to enterprises in the field of specialization, etc.				
115	2.	The teaching staff involved in the education program should include full-time teachers who have long-term experience working as a full-time employee at enterprises in the field of specialization of the education program.	+			
116	3.	The content of all the disciplines of the EP should be based in one way or another and include a clear relationship with the content of fundamental natural Sciences, such as mathematics, chemistry, and physics.		+		
117	4.	The management of the EP should provide measures to strengthen practical training in the field of specialization.	+			
118	5.	The EP management should ensure that students are trained in the use of modern information technologies.		+		
Total by standard			3	2		
IN TOTAL			90	27	1	