



«АККРЕДИТТЕУ 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 evaluation commission
for compliance with the requirements of the standards of initial specialised
accreditation (ex-ante) of educational programmes "6M011300 Biology", "6M060700
Biology", "6D011300 Biology"**

RSE on the right of EM "Pavlodar state pedagogical university" MES RK

from "11" to "13" March 2019

Pavlodar

March 13, 2019

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert committee

*Addressed
to the Accreditation Council
IAAR*



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(I) LIST OF SYMBOLS AND ABBREVIATIONS

PSPU	Pavlodar state pedagogical University
BD	Basic discipline
FQW	Final qualifying work
IR	Internal regulations
HE	Higher education
EELA	External evaluation of learning achievement
SAC	State attestation commission
SCES RK	State compulsory education standard of the Republic of Kazakhstan
UNT	Unified national test
IWPT	Individual work plan of a teacher
IOS	International organization for standardization
IC	Individual curriculum
CCES	Catalogue of compulsory and elective subjects
CTE	Credit technology of education
MES RK	Ministry of education and science of the Republic of Kazakhstan
IS	International standard
MEP	Modular educational programme
RL	Research laboratory
RW	Research work
SRW	Student's research work
RWMDS	Research work of a master's degree student
NFQ	The national framework of qualifications
NQF	National qualifications framework
GS	General subjects
EP	Educational programme
RO	Registration office
CS	Core subjects
TS	Teaching staff
RK	Republic of Kazakhstan
RSO	Republican subject Olympiad
WEP	Working educational plan
MM	Mass media
QMS	Quality management system
IWS	Independent work of the student
IWST	Independent work of the student with the teacher
TC	Typical curriculum
EMCD	Educational and methodical complex of discipline
EMCS	Educational and methodical complex of specialties
EMW	Educational and methodical work
EP	Educational plan

(II) INTRODUCTION

In accordance with order No. 10-19-OD 26.01.2019. from 11 to 13 March 2019, the Independent agency for accreditation and rating assessed the compliance of Pavlodar state pedagogical University (hereinafter - PSPU) with the standards of specialised accreditation of educational programmes of IAAR (from "24" February 2017 № 10-17-OD, fifth edition).

The report of the external expert Commission (ECC) contains an assessment of the compliance of the PSPU activities within the framework of specialised accreditation of educational programmes with the IAAR criteria, recommendations of the ECC for further improvement of the parameters of the specialised profile.

The composition of the ECC:

Chairman – Nusipzhanov Bibigul Nurgaliyevna, first Vice-rector of the Kazakh national Academy of choreography (Astana).

Foreign expert – Dimitar Vesselinov, Professor of St. Sophia University. Clement Of Ohrid (Sofia, Bulgaria).

Foreign expert – Levyh Alena Yurievna, K. B. N., head of the Department of biology, geography and methods of teaching Ishim pedagogical Institute. P. P. Ershov (branch) of Tyumen state University (Ishim, Russia).

National expert – Bakenova Zhenisgul Birzhanovna, head of accreditation Department of the Kazakh national agrarian University, PhD, associate Professor (Almaty).

National expert – Berdenov Zharas Galimzhanovich, PhD, associate Professor in the Department of physical and economic geography of the Eurasian national University. L. N. Gumilev (Astana).

National expert - Bodicov Seifolla Zhamauovich, senior lecturer of the Department of fine arts and design of Karaganda state University. academician E. A. Buketova, member of the Union of designers of Kazakhstan, member of the Eurasian Union of designers (Karaganda).

National expert – Burbekova Saule Zhorabekova, candidate of philology, head of the Department of translation studies of the University. Suleiman Demirel (Almaty).

National expert – Kamkin Victor Alexandrovich, candidate of biology, associate professor of the Department of agricultural technology of S. Toraigyrov Pavlodar state University. (Pavlodar)

National expert – Kuzbakova Gulnara Zhanabergenovna, candidate of art history, musicologist, associate Professor of musicology and composition of the Kazakh national University of arts, member of ICTM (International Council of Traditional Music) (Astana).

National expert – Cusanova Bibigul Hakimovna, Doctor of Philology, first Vice-rector of Aktobe University. S. Baisheva (Aktobe).

National expert – Mazhitaeva Shara, Doctor of Philology, Professor, head of the Department of Kazakh linguistics of E. Buketov Karaganda state University. (Karaganda).

National expert – Mamyrkhanova Zhamila Temirgalievna, Doctor of Philology, Dean of the faculty of Humanities of M. H. Dulati Taraz state University (Taraz).

National expert – Omarbekova Ikumis Ilyasovna, candidate of pedagogics, associate Professor of social pedagogy and self-knowledge of the L. N. Gumilev Eurasian national University. (Astana).

National expert – Onalbayeva Aigul Tynybekova, Doctor of Philology , acting Professor of the Kazakh state women's pedagogical University (Almaty).

National expert – Orynhanova Gibadat Amanzholovna, candidate of philology, associate Professor of the Kazakh state women's pedagogical University (Almaty).

National expert –Khan Natalia Nikolayevna, doctor of pedagogy, Professor of the Abay Kazakh national University. (Almaty).

National expert – Yusupova Adalyat Akhmetovna, MBA master, head of the UMC, teacher of the Department "Vocal art" and "Music education and pedagogical innovations" of the Kazakh national Conservatory. Kurmangazy (Almaty).

Employer – Pitrakov Vladimir, Director of the branch of Pavlodar region of the Single accumulative pension Fund (Pavlodar).

Employer – Akhmetova Gulnar Zeynullovna, head of the Department of music education College of Music school for talented children (Pavlodar).

Student - Esimhanov Aigerim, student 3 courses of the specialty "5B011700-Kazakh language and literature" of S. Toraigyrov Pavlodar state University. (Pavlodar).

Student - Magroyeva Zarina Berikovna, the student 2 courses of the specialty "5B050300 Psychology" of Innovative Eurasian University (Pavlodar)

Student – Omarova Lyubov Oralovna, 3rd year student of specialty "5B012000 Vocational training" of Pavlodar state University. S. Toraigyrov (Pavlodar).

Student PazyI Aidar Kanatovich, the student of 1 course of a specialty "5B070100 Biotechnology" of Innovative University of Eurasia (Pavlodar).

Observer – Niyazov, Guliyash Balkenovna, project manager for institutional and specialised accreditation of higher education institutions IAAR.

(III) REPRESENTATION OF THE ORGANISATION OF EDUCATION

Pavlodar pedagogical Institute (PPI) was opened on December 1, 1962. For almost a year it was located on the fourth floor of school №3, with four classrooms. In two faculties: history and Philology, physics and mathematics – 150 people were trained, the courses were taught by 14 teachers.

In the period from 1996 to 2004 Pavlodar pedagogical Institute was a part of PSU. S. Toraigyrov.

In 2017 Pavlodar state pedagogical Institute was renamed Pavlodar state pedagogical University.

PSPU is a single-profile higher education institution. Training of specialists of higher education is carried out on the basis of the State license № KZ66LAA0001094405, reissued by CCFE MES RK on February 05, 2018 and the application to it for the right to carry out educational activities on educational programmes, directions and specialties in the field of technical and professional, higher and postgraduate education. Annexes to the state license are available for bachelor's degree – 32, master's degree – 18, doctoral-6, technical and vocational education – 7.

To meet the needs of students in higher education training is carried out on the basis of General secondary education (GCE), with accelerated training periods on the basis of technical and vocational education (TVE) and higher education (HE), full-time and correspondence courses, in the state and russian languages. Since 2012, trilingual teachers have been trained in 6 educational programmes.

Today in high school full-time teachers – 271 enrolled – 4879, including the undergraduate – 4645, master – 226, doctorate – 8.

In order to improve the quality of education and the effectiveness of the management system at the University since 2007, a quality management system has been introduced in

relation to the design and development of educational services, training with higher professional education.

In December 2016, the University successfully passed the recertification audit, received a certificate of compliance with the requirements of International standard ISO 9001:2015, issued by the International certification Company SGS (SGS Kazakhstan Ltd., Switzerland) for a period of 3 years. The quality management system of pgpu was evaluated and certified as meeting the requirements of the International standard ISO 9001:2015.

As well as the University has developed, documented and published the Academic policy of the PSU to ensure the quality of educational programmes.

Educational activity of the University is carried out on the basis of its academic policy, which is a system of measures, rules and procedures for planning and management of educational activities and effective organization of the educational process aimed at the implementation of student-centered learning and improving the quality of education.

(IV) DESCRIPTION OF THE VISIT OF THE EEC

EEC visit to Pavlodar state pedagogical University in the period from 11 to 13 March 2019 is organized in accordance with the programme. Meetings of the EEC with the target groups were held in accordance with the updated programme of the visit, in compliance with the established time period. To obtain full information about the quality of educational programmes, University infrastructure, clarify the content of self-assessment reports, meetings were held with the rector, Vice-rectors in the areas of activity, heads of structural units (Department of strategy and monitoring, Department of academic Affairs, Department of science, Department of marketing and career, Institute of additional education, economic Department, center for practical psychology, center for information, scientific library), deans, heads of departments, teachers, students, graduates, employers. A total of 125 peEP le took part in the meetings (table 1).

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

Category of participants	Number
Acting rector	1
Pro-rectors	4
Heads of structural units	13
Dean of faculty	4
Head of department	8
Cluster 2	
Teachers	30
Students	20
Graduates	23
Employers	22
In total	125

In the process, the EEC conducted a visual inspection of the infrastructure of the University: the center of a biotsenology and environmental studies, educational-scientific laboratory of functional morphology and histology, laboratory "Anatomy, morphology and ecology of animals", a Museum complex, a sports complex, science laboratory experimental psychology and psycho-diagnostics, computer labs, library, student's hostel №4, the Dean's office. The documentation of departments implementing accredited educational programmes has been studied.

EEC members attended training sessions:

(V) COMPLIANCE WITH THE STANDARDS FOR SPECIALISED ACCREDITATION

5.1 Standard "Educational programme management»

The quality assurance policy is posted on the corporate portal of PSPU (portal/), on the website www.pspu.kz in the section "Quality management system of PSPU". The quality assurance policy is reflected in the normative documents of the PSPU, specifying the strategy for certain areas of the University.

The quality policy reflects the link between research, teaching and learning.

In order to develop a culture of quality assurance, the University annually updates its quality policy. For example, the order of the rector of 01.10.2018 № 507 approved the thirteenth edition of the policy in the field of quality of PSPU. Amendments and additions to the existing internal regulations have been made. All documents regulating the academic activities of the University were included in the collection of regulations and instructions that take into account the needs of modern society in highly qualified personnel, flexible to changes in the labor market, which affected the organizational structure of the University and the activities of the University. The structure of the University was optimized on November 15, 2018 in order to effectively manage and implement the programme of development of PPP for 2016-2019 (Order No. 734 of November 15, 2017). The University has mechanisms for approval, periodic evaluation and monitoring of implemented programmes and assigned qualifications.

The Department has a Memorandum on double-degree education for the specialty "5B060700 Biology" and it is planned to conclude an agreement on double-degree education for the educational programme "6M060700 Biology" with the University named after Vytautas Magnus (Lithuania). Detailed information on the organization of the educational process and quality management within the framework of academic mobility is not available. During the conversation with the leadership of the University and the staff of the Department it was found that students in accredited specialties have significant financial difficulties to participate in academic mobility in Lithuania. At the same time the Department does not consider the organization of double-degree education with universities in neighboring regions of the Russian Federation, although there is a significant outflow of students and graduates in the border regions of Russia.

The development plan of the EP is developed on the basis of the analysis of the needs of the state, employers, stakeholders and students, as evidenced by the minutes of the meeting of the Department (Protocol №5 from May 21, 2018; Protocol №2 from October 17, 2018) which was attended by faculty, employers (head of the Department of ecology of Pavlodar State University, S. Toraihyrov, Kaliyeva A. B.) and students (doctoral Kabdolov G. K., masters Ardageldy A., Kurmasheva M., Tursunbaev K., M. Makasheva, Bukurova S.). The wishes of employers and students were taken into account in the preparation of OP (added discipline "Modern problems of biology and biological education", "Prospects for the use of PCR analysis in biological research", "methods of PCR").

When developing the EP, much attention is paid to the updated content of the school curriculum in biology and the need to switch to trilingual education. Annex 24 to the "Self-assessment report of the EP" has concluded an agreement on the Fund-funded innovation support research on "Methodological support of multilingual education in the training of future teachers of biology." 9 staff members of the Department have a second higher education in the specialty 5B011900 –Foreign language: two languages.

Head of the Department proper information G. K. Tulindinova and Professor B. K. Zhumabekova issued two joint training manuals in English in the Publishing house of the

Academy of natural Sciences, Moscow: "Biogeocenology in English" (2017), "Genetics in the English language" (2017). Professor Tarasovskaya N. E. and Bulekbayeva L. T. published in English textbook "Innovative research methods in Parasitology" (Pavlodar, 2017).

Development plan for all accredited EP was developed, discussed and approved at faculty meeting (protocol No. 2 of October 17, 2018) for the period from 2019 to 2021. It should be noted that the accredited EP has an expert opinion of only one employer – the head of the Department of ecology of Pavlodar state University. S. Toraighyrov PSU, candidate of biology Kaliyeva A. B.

At the Department there is a clear distribution of responsibility, which is reflected in the job descriptions, teaching load and approved functional responsibilities of members of the Department of General biology (Annex 8 to the "Self-assessment report OP"). There are concluded contracts: the Contract for performance of research work with "Altyn Batyr Company" LLP for 2018-2023 (Annex 5 to "the Report on self-assessment of OP") with the schedule of works and technical specification of the expected result of research.

The management of the University and the Department realistically and objectively assess the existing risks, among which the main ones are high competition in the market of educational services for similar EP, the complexity of finalizing academic mobility and aging of personnel. Based on the analysis of risks and potential opportunities, the following strategies were developed: improving the methodological support of the training system taking into account the trends in education of the Republic of Kazakhstan; introduction of modern educational technologies; training, retraining and advanced training of teaching staff to work in the conditions of the updated content of education; development of material and technical base (equipping classrooms and laboratories with special equipment and devices); development of social partnership system (contracts, agreements, memorandums of cooperation in the field of partnership); development of the system of internal evaluation of teacher training; improvement of the quality indicator of training (improvement of academic performance).

At the Department much attention is paid to the implementation of the results of their own research in the educational process. Doctor of biology, Professor Tarasovskaya N. E. is a famous inventor of innovative environments for fixation of biological objects. Over the past five years, it has published more than 250 articles and received about 60 patents for invention and utility model.

Kandidat of biology, associate Professor Ponomarev D. V. is the head of 2 research projects "Preparation and production of multilingual educational and methodical complex in biology and sets of micro-products for universities and schools", "Development of material and methodological basis for the formation of biological training and production laboratory of PSPI." from Fund of support of innovations of PGPI (the Order 1-01-04/253 of April 7, 2016, 1-01-04/116 of February 28, 2016).

Doctor of biology, Professor Zhumabekova B. K. is the head of research and development of technology of industrial production of therapeutic and prophylactic drink on the basis of biologically active Association of microorganisms of Kombucha.

The results of the project work were marked by victories in competitions of various levels:

- Gold medal Tarasovskaya N. E. Ponomarev D. V. winners of the competition in the nomination "Environmental education" for a set of materials for intellectual competitions and quizzes in field practice for biology students of pedagogical universities, 2018 (Annex 25 to the "Self-assessment report of the OP»);

- Gold medal winners in the nomination "Technique" Tarasovskaya N. E. Ponomarev D. V., Sarbaev R. J., A. B. Shihkova for a creative search for effective learning resource and a set of

methodological materials "Innovative educational technology in science multilingual education". 2018 (Annex 26 to the op self-assessment Report»);

- Gold medal of the winners in the nomination "Methodology" Tarasovskaya N. E. Ponomarev D. V., Shaikhimova A. B. "Multilingual teaching aid for students of biological faculties"; 2018 (Annex 27 to the "Self-assessment report EP»);

- I place (gold medal), international competition "MAGISTER" winner in the category "Methodology" for a set of teaching materials on selected topics of evolutionary teaching, Niyazova M., makasheva M., Tarasovskaya N. E. 2018 (Annex 28 to the op self-assessment Report»);

- 2nd place in the international scientific and practical conference "Topical issues of natural science knowledge", dedicated to the 90th anniversary of the natural monument Goose flight (trained by EP Bukurova S.) (Annex 29);

- 2nd place in the international scientific and practical conference "Topical issues of natural science knowledge", dedicated to the 90th anniversary of the natural monument Goose flight (studying on EP Baimurzina K.) (Annex 30 to the "Self-assessment report EP»);

- 3rd place in the international scientific and practical conference "Topical issues of natural science knowledge", dedicated to the 90th anniversary of the natural monument Goose flight (studying on EP Oleynik Y.) (Annex 31 to the "Self-assessment report EP").

- 3rd place in the international scientific and practical conference "Topical issues of natural science knowledge", dedicated to the 90th anniversary of the natural monument Goose flight (studying op Kurmasheva M.) (Annex 32 to the "Self-assessment report EP»);

- 2nd place in the international scientific and practical conference "Topical issues of natural science knowledge", dedicated to the 90th anniversary of the natural monument Goose flight (studying op Kabdolova G.) (Annex 33 to the "Self-assessment report EP»);

- 1st place in the competition "Zhas Galym - 2018", in the category "Zhas PhD students" (enrolled in the EP Kabdolov G) (Appendix 34 to the "Report on self-assessment of OP").

As a result of the above R & d in 2014-2015 academic Department received 13 certificates of authorship; in 2015-2016 academic year – 16 certificates of authorship; in 2016-2017 academic year – 24 certificates of authorship; in 2017-2018 academic year – 17 certificates of authorship. In just 4 years, employees of the Department received 70 patents for inventions (Annex 19). Innovation is reflected in the EP under the organization of student scientific circle "Histologist" (Annex 15 to the "Report on self-assessment of EP"), the topics of master's theses and production practices becausehe.

The staff of the Department regularly undergoes training in the field of education and teaching methods, which is supported by certificates and diplomas (Annexes 17 and 20 to the "Self-assessment report EP").

Strengths/best practices

1) the EO has a published quality assurance policy that reflects the relationship between research, teaching and learning, demonstrates the development of a culture of quality assurance, including in the context of the EP.

2) the Management of the EP demonstrates the existence of mechanisms for the formation and regular review of the development plan of the EP and monitoring its implementation, assessing the achievement of training goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP.

4) The management of the EP involves representatives of stakeholder groups, including employers, students and TS in the formation of the development plan of the EP.

5) the Organization of higher and (or) postgraduate education demonstrates a clear definition of those responsible for business processes within the EP, a clear distribution of duties of staff, the division of functions of collegial bodies.

6) The management of the EP presents evidence of transparency of the educational programme management system.

7) the EO demonstrates innovation management in the framework of the OP, including the analysis and implementation of innovative proposals.

8) the Management of the EP is trained in educational management programmes.

Weakness:

1) Lack of materials confirming the implementation of the quality assurance policy of any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility.

ECC Recommendations

Develop a mechanism to ensure the quality of any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility.

Annually update and post on the educational portal a list of recommended areas and topics of master's and doctoral theses, taking into account the proposals and recommendations from the main stakeholders.

ECC notes that according to 8 criteria of this standard the University has strong positions, according to 6 criteria – satisfactory positions, according to 1 criterion improvement is required.

5.2 Standard “Information management and reporting”

The University and the Department built a system of interaction with all stakeholders: the state, local authorities, employers, applicants and their parents, students and their parents, partner universities. Interaction between subjects of internal and external environment is carried out through the system of collection, analysis and management of information based on the use of modern information and communication technologies and software. Main information flows are implemented using web resources official site PSPU (pspu.kz.), automated information system "Platonus", messenger WhatsApp, an information system "Moodle" (do.pspu.kz), corporate e-mail pspu.kz social networks Facebook, Instagram, Vkontakte.

The official website of the University is aimed at both internal and external users. It provides basic information about the University and the educational programmes (EP), including the published quality policy, reflecting the mission, goal, objectives, strategic directions of the University development, in three languages (Kazakh, English, Russian). On the website of the University posted basic information about the structural units and teaching staff. Information about the accredited master's and doctoral programmes is given in the section "Department of General biology" (biologi_pmpu). In the same section is constantly updated information about the activities of the Department (on the activities carried out by the Department, the participation of teachers and students of the Department in scientific and methodological activities of different levels, etc.). The official website provides the possibility of feedback from users of the resource. So, each visitor of the site in the "Feedback" section can write a question, leave a comment or a complaint.

Using AIS "Platonus" the internal management of EP. In this web resource, a single database of students and graduates is formed, which is the basis for monitoring the results of training, employment and career advancement of graduates.

Groups in whatsapp messenger serve as a means of rapid dissemination of information and feedback to students and other stakeholders.

For informing faculty and staff of the University uses a corporate e-mail pspu.kz.

Through the Moodle platform (do.pspu.kz) remote access of students to educational and methodical materials is provided, direct and feedback of teachers and students is carried out.

Instagram Facebook, Vkontakte and mass media also reflect the activities and events of the University and the Department.

The University established the order and ensured the protection of information, including those responsible for the accuracy and timeliness of information analysis and data provision. Information in the AIS "Platonus" is available only to employees and students of the University who have logins and passwords. The University provides protection of information about the contingent, which is stored in a specialised database of the admission Committee of the University for three years.

Information on the development, approval and implementation of the EP is discussed at meetings of all structural units involved in their implementation. Employers and students are invited to the meetings of the graduating Department, which deals with the content of the EP. For example, in may 2018 at the meeting of the Department (the Protocol № 5 from 21.05.2018) considered the issue of approval of EP degree in "6M060700 Biology", "6M011300 Biology", "6D011300 Biology". At the meeting of the Department was invited by the graduating students of the completion of training under EP "6B060700 Biology" (Ardageldy A, Kurmasheva M.), "6B011300 Biology" (Makasheva M., Oleynik, Y., Mamunova A.), and employers A. B. Kaliyeva, head of the Department of biology and ecology, the Department of PSU, K. Kabdolov, researcher RCBES. At the suggestion of G. K. Kabdolova in EP 6D011300 Biology included academic discipline "Modern problems of biology and biological education", at the suggestion of students M. Makasheva in the EP 6M011300 included the subject "New approaches in teaching and teaching in high school," at the suggestion of the student A. Ardageldy in the EP degree in biology "6M060700 Biology" included the discipline "Methodology of biological research." A. B. Kalieva noted the relevance of the educational trajectory of "Genetics" and the inclusion in the programme of postgraduate training disciplines "Methods of molecular genetic research", "Methods of PCR", "Prospects for the use of PCR analysis in biological research", "Problems of biology and biological education".

In October 2018, a meeting of the Department (Protocol №2 from 17.10.2018 g) with the participation of students (of Ardageldy A, Kurmasheva M., masters degree in biology "6M060700 Biology"; Tursunkhanov K., Makasheva M., Bukurova S.,masters 6M011300 Biology; G. K. Kabdolova, doctoral candidate of the speciality "6D011300 Biology" and employers (A. B. Kaliyeva, head of the Department of biology and ecology, PSU S. Toraygyrov), which discussed and approved plans for the development of EP. Kaliyeva A. B. proposed to make changes to the development plan of the EP, taking into account the possible risks in the recruitment and reduce the planned rate to attract foreign scientists, depending on Central funding. The next meeting of the Department, which will discuss the content and development of EP with the participation of students and employers is scheduled for March 2019.

One of the sources of information about the quality of educational services in the specialty "Biology" are reviews of graduates. For example, feedback from graduates PSPU: Director SS №9 of Pavlodar S. V. Zavalny about the biology teacher O. V. Bostekpayev, reviews of the head of the College S. T. Dzhartybayev on the teachers of the biology of S. A. Zhumasheva and K.A. Nurazina.

Students participate in the process of planning, implementation, monitoring of the educational process through the University youth organizations "Council of young scientists", "Debate club". The University conducts a systematic anonymous survey of students to assess

satisfaction with the quality of educational services and the educational environment, questioning staff and staff satisfaction with working conditions, management activities, implementation of EP. For the survey of students designed questionnaires "Teacher of the eyes of a student (doctoral)", "The Satisfaction of a student (doctoral) training at pgpu".

An anonymous survey of 126 students of PSPU during the work of the ECC showed the satisfaction of the vast majority of respondents with all aspects of the implementation of the EP, including the educational environment of the University. The percentage of fully satisfied survey participants on individual questions varies from 76.2% to 92.9%, averaging at least 85%. The survey involved 8 graduate students under EP degree in biology "6M060700 Biology", 16 undergraduates enrolled in 6M011300 – Biology, 1 PhD student enrolled in the EP Biology.

Students can ask questions, suggestions for the implementation of EP, or in case of conflict to the head of the Department of General biology in the established hours of reception (Monday, Thursday, 16.00-17.00), or to the heads of the University through the "Feedback" section on the official portal.

At a meeting of the members of the ECC with master's and doctoral students of accredited EP (the meeting was attended by students of EP 6M011300: Makasheva M. T., Amanova B. K., Tursunkhanov K. M., S. B. Bukurova, Mamunova A. T., Kumar, T. K., Oleynik, Y. I., Botagosova G. S., A. T. Syzdykova, Koilubaeva A. T., Zhumadilov A. Z.; EP degree in biology 6M060700: Ardageldy A., Azhiken N. E. The Baimurzin K. Zh., Kurmasheva M. K., Macratova D. M., Otarova A. Zh., Orazova G. N., Abdrazakova K. Zh.; EP 6D011300: Kabdolov G. K.), held 12.03.2019 students noted that on any issue they can apply at any time to the adviser, head and any teacher of the Department of General biology.

In the framework of the EP there is a system of regular reporting, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of departments and departments, research. the University established the periodicity, forms and methods of evaluation of EP management, activities of collegial bodies and structural units, senior management, implementation of research projects.

To evaluate the impact and effectiveness of the institution provide account information about the dynamics of the contingent of students in the context of the EP, the students and the dismissal, satisfaction of students with the implementation of the EP and the quality of education at the University, availability of educational resources and support systems for students, employment and career advancement of graduates. The EP management uses a variety of tools to provide all stakeholders with all necessary information on the EP.

Thus, the management of the EP demonstrates the existence of communication mechanisms with all stakeholders, the availability of opportunities for their participation in the formation and development of the EP, the systematic use of processed, adequate information to improve the internal quality assurance system.

At the same time, at the level of the entire educational organization there are no instructions and algorithm for obtaining the documentary consent of students, employees and teaching staff for the processing of personal data.

Strengths/best practices

Within the framework of the EP, a system of regular reporting is provided, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of departments and departments, research.

EO established the frequency, forms and methods of evaluation of management of EP, the activities of collegial bodies and structural units, senior management, implementation of research projects.

Mechanisms of involvement of students, employees and staff in the processes of collection and analysis of information, as well as decision-making based on them have been worked out in the EO.

The management of the EP has demonstrated a mechanism of communication with students, employees and other stakeholders, as well as conflict resolution mechanisms.

The EO provides for the assessment of performance and effectiveness, including in the context of the EP.

Weakness

(1) the EO has not demonstrated how to ensure the protection of information.

2) EO has confirmed the lack of procedures for the processing of personal data of students, employees and faculty on the basis of its written consent.

ECC Recommendations

Develop clear instructions and algorithms in the field of information security, including the identification of persons responsible for the accuracy and timeliness of information analysis and provision of data.

Include on a mandatory basis the procedure for obtaining written documentary consent to the processing of personal data of students, employees and teaching staff in accordance with the current legislation of the Republic of Kazakhstan.

Post information about accredited EP postgraduate education on the section "Entrant" on the educational portal of the University.

Inform all interested parties about the current passing points in the context of EP. Post detailed information about employment opportunities for graduates of accredited EP on the educational portal of the University.

To unify the form of presentation of information about the staff of the Department on the page "Department of General biology" and timely update the information provided.

Provide information about the University, Department and educational programmes on the site in three languages in the same volume.

ECC notes that the University has strong positions on 9 criteria of this standard, satisfactory positions on 5 criteria, improvement is required on 2 criteria.

5.3 Standard "Development and approval of the educational programme"

The educational programmes of the specialties "6M011300 Biology", "6M060700 Biology", "6D011300 Biology" of postgraduate education are implemented in accordance with the teacher's professional standard, Dublin descriptors, coordinated with the European qualification framework.

Based on the regulatory documents of the Republic of Kazakhstan in the regulation of higher and postgraduate education in the PSPU, the QMS Standard 4.16-2018 "Formation of educational programmes" has been developed, which regulates the rules for developing and approving educational programmes. The document defines the methodology for the development of EP, and regulates the organization and procedure for conducting all approval procedures.

The procedure for the discussion of the specialty programme is reflected in the minutes of the meeting of the department, the educational and methodological council of the faculty, the educational and methodological council and the Academic Council of the university. The chairperson of the Academic Council of the university approves the OP of the specialty. Accessibility of the OP for the team is provided through the website: <http://pspu.kz/ru> and the system of electronic documentation.

The EPs in the specialties "6M011300 Biology", "6M060700 Biology", "6D011300 Biology" were developed on the basis of the specialty TUP, catalogs of elective disciplines taking into account the needs of potential employers and the educational needs of undergraduates and doctoral students. The developers of EP are the faculty of the department - the leading

experts in the fields of science and education on the profile of the OP. The discussion of the EP is carried out at a meeting of the department with the participation of employers and students (Minutes of the Department of General Biology № 5-dated 05.21.2018, Minutes of the Department of General Biology № 2-dated 10.17.2018).

To assess the quality of EP, the university has tested mechanisms for internal assessment of quality and examination of EP. Quality assessment of the OP is regulated and documented in the framework of the QMS.

The expected learning outcomes are consistent with established goals and are focused on the development of abilities.

For each EP, competency-based models of graduates are developed, representing a system of key, professional, special competencies. Analysis of the competence models of graduates indicates their compliance with the results of training. Training in EP is carried out with a clear focus on the goals of the studied disciplines, taking into account the competence-based approach. Competences are developed based on the professional standard of the teacher, taking into account the requirements of employers and the social demand of society. Competence models of graduates of EP are presented in EP, posted on the website of the university on the page of the department "General Biology".

In order to ensure the quality of the provision of educational services, in connection with changes in economic conditions and the labor market, employers' requirements, it is planned to regularly review and adjust the list and content of EP disciplines. To achieve the goal of ensuring the quality of the provision of educational services, analysis and expertise are carried out. Leading experts from other universities and potential employers are invited to conduct the examination. (Kaliyeva AB, Ph.D., Professor, Head of the Department of Biology and Ecology, PSU named after S. Toraigyrov). To determine the satisfaction of undergraduates and doctoral students with the content of the EP, a survey is conducted (Appendices 37, 38 to the "Report on the EP self-assessment").

Discussion and introduction of changes to the EP is planned to be held once at the end of the school year with the involvement of employers and students.

The influence of disciplines and professional practices on learning outcomes is defined in the EP and presented in the characteristic of the modules of the programme, the matrix of correlation of learning outcomes of the EP in general with the formed competencies and in the information on the disciplines. Accredited educational programmes are available on the website of the Perm State Pedagogical University on the page of the department "General Biology".

The verification and validation of the graduate model will be carried out through peer review of employers and consumers.

Qualification of the Master of Education in OP - Biology (profile direction), the Master in Pedagogical Sciences in OP Biology (scientific and pedagogical direction), Master of Natural Science in OP - Biology correspond to the 7th qualification level of the NRC, PhD in OP 6D011300 - Biology - 8th qualification level of the NQF.

On the basis of standard curricula and standardized approaches to the organization of the educational process, adopted at the university, as well as orientation on the strategic goals of the university, consumer requirements and regional specificity, specialty curricula and catalogs of elective disciplines are being developed, approved by the PGPU Academic Council. QED specialty includes a list of optional disciplines (including alternative disciplines), code, number of credits, semester, brief annotation, prerequisites and post requisites. The list of disciplines and their summary are available for students and posted on the website of the university. The procedure for the annual update of QED was approved, depending on the requests of students, employers, and faculty proposals. The complexity of the OP is clearly defined in Kazakhstan loans and ECTS.

The 6M011300 Biology', 6M060700 Biology', 6D011300 Biology' are made up of modules of theoretical training, including the study of basic and learning cycles; module of practice, combining all kinds of practices; module of final certification and additional types of training. Each of the cycles of

disciplines consists of compulsory and elective components in the proportions established by the Model Curriculum. In the curricula of accredited EP, the logical sequence of studied disciplines is observed, taking into account pre- and post-requisites. Disciplines of the module of theoretical training correspond to specialties. The analysis of the UMCD showed the correspondence of the content of the studied disciplines to the level of education (master's and doctoral studies).

For the effective promotion of the educational programme for the individual design trajectory, the adviser editor advances, which have all the information about the OP, are considered. Advisers are appointed at the beginning of the school year by a rector from the staff of the faculty of the faculty.

Academic disciplines are sufficiently equipped with educational and methodological materials, including lecture material, tasks for laboratory and practical work, tasks for independent work of students, tasks for intermediate certification, assessment tools and corresponding to the modern scientific level.

The educational process uses audiences equipped with modern computers, an audience with an interactive whiteboard, specialised laboratories equipped with modern equipment for conducting scientific research (laboratories of histology, parasitology, PCR analysis).

The students gain experience in professional activities during internships, scientific internships, and research work. The university has developed a "Regulation on professional practices of postgraduate education". According to the PMT of the MA programme provides the following types of practices: pedagogical, research.

All types of practices are planned and conducted in accordance with the academic calendar and work curricula. Work training programmes and guidelines containing a comprehensive list of tasks, requirements for the application of science, content of practice, types of accounting documents, examples of the formulation of accounting documents, etc. drawn up in accordance with the model curriculum and regulations

The training of all kinds of practical training is formulated by a subgroup of the PGTU rector with the guidance of the practice of the practice, the base of the practice and the managers of the practice. In the quality of the leaders of the practice, the professors, professors, experienced teachers of the department, well knowing the specifics of the development and activity of the basis of the practice are trained.

Organization of all types of products in the field of architecture Each practitioner is issued a pack of documents, including a diary on science, a programme of practice, guidelines, and a report form. The guides of the practice from the department and the practice base monitor work as a doctor.

Before the beginning of practical training, undergraduates and doctoral students are familiar with the rules of safety equipment. The approved rules and the journal of accounting of the tool in the department are available.

For the practice, contracts with the state institution "Regional Kazakh gymnasium boarding school for gifted children. Altynsarin "(Contract dated 02/01/2018), GKKP" Children's and Youth Center for Ecology and Tourism "(Contract dated 01.02.2018), Bayanaul National Park (Contract dated 01.02.2018), Branch of RSE for PVC" National Center of Examination "(Contract from 01.02.2018), RSE on RE "Pavlodar State University named after S. Toraigyrov" (Contract dated February 1, 2017), Trans-Baikal State University (Agreement from 03.03.2017), RSE in REU North-Kazakhstani University. M. Kozybayev (Treaty of 02.02.2018), Tashkent State Pedagogical University. Nizami (Contract dated February 16, 2018).

Within the framework of accredited EP, extracurricular and classroom, independent work of students is organized.

The content and organization of the entire educational process is aimed at preparing students for further professional certification and includes modern educational technologies widely used abroad - CLIL (Content Language Integrated Learning - Learning the World through English); training based on the seven modules of the University of Cambridge programme; intensive English courses; method of research projects and others.

Currently, together with the University. The Doctoral Degree Study Programme implements Vytautas Magnus (Lithuania) in the specialty 6D011300 - Biology. Doctoral student

of the 2nd course Shakeneva D.K. studying at the university.

Work is underway to discuss joint educational activities in the framework of the accredited EP with the Gottingen University. Georg-Augusta (Germany). To date, a letter of intent No. 481 / 1-01-10 of 03/03/2018 has been signed with the named university.

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Agreements on scientific and educational cooperation have been concluded with the Trans-Baikal State University (Russia, Chita; contract of 03/28/2017), the Novosibirsk State Pedagogical University (Russia, Novosibirsk; the agreement of 03/29/2017), and Omsk State Pedagogical University (Russia, Omsk; agreement of 06/17/2015).

Strengths / Best Practices

1) The PAs define and document the procedures for the development of EPs and their approval at the institutional level.

2) The qualifications assigned at the end of the EP are clearly defined and correspond to a certain level of the NSC.

3) The complexity of the OP is clearly defined in Kazakhstan loans and ECTS.

EEC recommendations

Increase the number of external experts during the examination of the OP.

Include in the description of the OP qualifications and (or) qualifications that will be assigned upon completion of the educational programme.

The EEC notes that according to the 3 criteria of this standard, the university has a strong position, and according to 9 criteria it is satisfactory.

5.4 Standard "Continuous monitoring and periodic evaluation of educational programmes"

On the basis of the university, the faculty and the department developed a consistent procedure for regular monitoring and periodic evaluation of OP "6M011300 Biology", "6M060700 Biology", "6D011300 Biology", aimed at achieving the goals of EP, the formation of planned learning outcomes in accordance with the needs of students and society, ensuring quality of learning outcomes and competitiveness of the OP.

Monitoring and periodic evaluation include the analysis of demographic forecasts and the need for specialists in the region.

The university and the department provide procedures for the development of EP in accordance with changes in the needs of society, the educational environment and the satisfaction of employers with graduates of EP. There is a mechanism for regular interaction of the graduating department with educational organizations with the aim of feedback aimed at identifying the needs of educational institutions and recommendations for the development of EP.

This is confirmed by employers at a meeting with members of the EEC, held 03/12/2019, the city. Rakhmetova MB was present at the meeting. - deputy director, of school № 30 of

Pavlodar, Sarbasov N.S. - Director of the Center for Excellence, Zhumabekova KA - Deputy Director of Altyn Batyr LLP, Nurgazina K.A. - Head of the branch of the Red Army Agrarian Technical College, Mukhametzhanova S.S. - deputy director of school № 19 of Pavlodar, Omarov A.A. - deputy director of school № 2 of Pavlodar, Akilzhanov AK - Director of the Pavlodar regional branch of the RSE "Republican Veterinary Laboratory", Chumachenko A.A. - deputy director of school № 11 of Pavlodar.

The university has established a procedure for monitoring, evaluating and updating OP, which includes: 1) a survey of undergraduates, doctoral students, teachers, organizations, employers (Appendices 14, 37, 38 to the "Report on the EP itself"); 2) analysis of student performance; 3) analysis and improvement of the educational environment, including the content of educational and methodical complexes of disciplines, evaluation tools for current and intermediate certification, programmes of final certification; 4) analysis of the results of open classes and the results of mutual visits of classes (Appendix 22 "Report on self-examination"); 5) analysis of logistics (Annex 6 "Report on self-examination"); 6) analysis of the electronic educational environment; 7) analysis of the programmes and results of the final certification of students; 8) analysis of graduate employment.

The analysis of the content of the disciplines accredited by the Department of the Methodological Methodology Department of the EP showed their compliance with the level of modern sciences (for example, the educational and methodical complex of the discipline "Methods of molecular genetic research" for the EP "6M011300 Biology")

The university and the EP management provided evidence of the participation of students, employers and other representatives in the review of the EP (see above; Minutes of the General Biology Department Minutes No. 5 of 05/21/2018, Minutes of the General Biology Department No. 2 of 10.17.2018).

There is a mechanism for informing all interested parties about the implementation of the EP, including the changes made to the EP (see the description of the standard "Information Management and Reporting").

Strengths / Best Practices

The PA has a system for monitoring and periodically evaluating the EP, providing for: changes in the needs of society and the professional environment; expectations, needs and satisfaction of students with EP training; educational environment and support services, and their compliance with the objectives of the EP.

EEC recommendations

Apply a differentiated approach in the development and use of assessment tools depending on the level of the educational programme (Master's and Doctoral Studies).

Include detailed criteria and methods for assessing the achievements of students in EMCD for each discipline being taught. When assessing students' knowledge, apply various forms of test tasks (tasks with several correct answers; open test tasks; assignment tasks, etc.).

The EEC notes that according to three criteria of this standard, the university has a strong position, and according to 6 criteria, it is satisfactory.

5.5 Standard "Student-centered learning, teaching, and performance assessment"

During meetings with the leaders of the EP, students, while attending open classes, evidence was obtained of the implementation of the principle of student-centered instruction.

Student-centered learning is manifested in accounting when developing the EP for the interests of different groups of students, above all, the university provides the opportunity to study in different languages (Russian, Kazakh). A number of academic disciplines (modules) is taught in English. In drawing up the schedule of studies, the interests of the employed students are taken into account. The students are constantly promptly informed of the progress in the

implementation of EPs (changes in the schedule of studies, etc.) by an evdvyazer, teachers, and head of the department through the head of groups, social networks, etc.

In the educational process, the principles of student-centered learning are realized through changes in the student's role in learning - increasing the role of independent auditorial and extracurricular work of students (Appendix 9 to the EP Self-Examination Report), the use of teacher-centered educational technologies, modern and diverse teaching methods (modern information - communication technologies, integrated learning technology, modular learning technology, logic and organization technologies active-activity games, technology of educational research, method of projects, case studies, etc.), which take into account individual personal characteristics of undergraduates and doctoral students, the active participation of students in cognitive activity.

The students are provided with flexible learning paths, there is a real opportunity to choose an individual educational path, which was confirmed by the students during the meeting (Appendix 13 to the "Report on self-study of the EP").

The administration of the EP showed support for the autonomy of the students, with simultaneous guidance and assistance from the teacher. The latter is carried out and outside the classroom in the form of individual counseling.

Teachers of the graduating department conduct their own research in the field of the methodology of the subjects taught by the EP. In research in the field of teaching methods included undergraduates and doctoral students. The results of these studies are being actively implemented in the educational process. So, the doctor PhD, professor N.E. Tarasovskaya is actively working in the direction of developing teaching and methodological support for teaching biology in the secondary school and in the university (Appendix 19 to the "Report on the self-examination of the EP"). N.E. Tarasovskaya patented and implemented in the activities of not only PSPU, but also secondary educational institutions of the city of Pavlodar and Pavlodar region. The department presented documentary evidence of this. For example, the Act of introduction into the educational process of Zhelezinskaya Secondary School № 2 of training preparations from the funds of Pavlodar State Pedagogical Institute and methods of their manufacture (dated 09.15.2016).

Doctor PhD, associate professor D.V. Ponomarev, on the basis of the histological laboratory created by him with the active participation of undergraduates (Appendix 15 to the "Report on self-examination of the EP"), developed a set of microscopic teaching materials for teaching biology in school, accompanied by an illustrated textbook in Russian, Kazakh, English. The set of preparations and the manual were recommended for commercialization and acquired secondary educational institutions of the Republic of Kazakhstan. On the basis of the histological laboratory, thematic sets of micro-preparations are being prepared for the study of university disciplines. The students, together with the teacher, improve the method of making preparations according to the structure of tissues of different groups of living organisms. This work is reflected in the theme of master's theses.

Thus, the EP management demonstrates the presence of a feedback system on the use of various teaching methods and evaluation of learning outcomes.

According to the results of a long-term research work of teachers of the department of general biology on the study of the fauna of extinct vertebrates of Pavlodar Irtysh, a number of educational and popular publications were published (for example, the brochure Ancient Animals of Pavlodar Irtysh. Pavlodar: PGPU, 2018 - 28 p. Scientific consultant associate professor of the Department of General Biology V. N. Aliyasova and created a museum of nature, which is used as a means of visual education in the educational process of universities and schools of the city and region.

The results of the scientific and methodological, educational and methodical work of teachers who implement the EP of the magistracy and doctoral studies are reflected in a number of author's textbooks, including in English (Appendix 35 to the "Report on the self-examination of the EP". P. 112-113).

The management of the EP and students during meetings with members of the commission demonstrated the existence of a procedure for responding to students' complaints, including the availability of a clearly defined procedure for students to file an appeal.

Teachers of the department regularly improve their skills in the field of modern teaching methods, including methods for evaluating learning outcomes (for example, Certificate No. 000286 of 03/02/2018, V.N. Aliyasova, who completed training courses for trainers in the advanced vocational education programme of students of training in the framework of the level programmes of increasing the qualification of pedagogical cadres in the CE NISh (Astana) in the amount of 232 academic hours; Certificates Tulendinova G. K., Gavrilova T. since 1 November 20, 2016 courses in Al-Farabi Kazakh National University in order to strengthen the training of teaching staff PPV universities in the amount of 240 academic hours) After training in refresher courses received pedagogical experience is discussed at the scientific and methodological seminar of the Department.

The EP managers demonstrated the existence of a consistent, transparent, objective assessment of the student's educational achievements developed according to the criteria of the QMS, involving various forms and methods of control (test questions, test tasks, situational tasks, etc.), as well as feedback with the students. Requirements for the monitoring system of students' educational achievements are set forth in the Rules for assessing students' educational achievements in the PSPU and the Rules for the organization of the PSPU educational process approved by the university. The instrumentation and evaluation criteria for learning outcomes are published in advance in the EP, are presented in the EMCD, syllabus. Presented by the department of evaluation tools correspond to the goals and objectives of individual academic disciplines, as well as the EP as a whole.

To ensure the development of each graduate of the educational results in high school, a feedback system with students is built: the student - the curator - the head of the department - the dean - the department the registration office - the vice-rector.

Strengths / Best Practices

1) Availability of own research in the field of teaching methods of academic disciplines
OP.

2) Availability of mechanisms to support the autonomy of students with simultaneous guidance and assistance from the teacher

3) The existence of a procedure for responding to students' complaints.

4) Existence of mechanisms to ensure that every graduate of the EP of learning results and the completeness of their information.

EQC recommendations

- Apply a differentiated approach in the development and use of assessment tools, depending on the level of the educational programme (graduate, doctoral studies).

- Include detailed criteria and methods for assessing the achievements of students in EMCD for each taught discipline. When assessing students' knowledge, apply various forms of test tasks (tasks with several correct answers; open test tasks; assignment tasks, etc.).

The EQC notes that according to the 4 criteria of this standard, the university has a strong position, and according to the 6 criteria it is satisfactory.

5.6 Standard "Students"

When forming a contingent of students in the master's and doctoral studies, the university is guided by the current regulatory framework, Model rules for admission to educational institutions that implement vocational curricula for higher and postgraduate education. The contingent formation policy is aimed at accepting the number of students who are most prepared for studying at a higher educational institution with due regard for the specifics of the direction (pedagogical, natural sciences) who consciously chose a specialty and scored the required number of points based on the results of entrance examinations. Admission of foreigners to the

master's and doctoral programmes is carried out on a fee basis. Receipt by foreigners on a competitive basis in accordance with the state educational order of free post-graduate education is determined by international treaties of the Republic of Kazakhstan, with the exception of the scholarship programme for graduate programmes. Admission of foreign citizens to study under educational programmes on a paid basis of postgraduate education is carried out during the calendar year in accordance with the academic calendar of the university. Education documents issued by foreign educational organizations are recognized or nostrified in accordance with the procedure established by law in accordance with the Rules for the recognition and nostrification of education documents.

For the reception of documents and the organization of entrance examinations in universities and scientific organizations a selection committee is created. The composition of the selection committee is approved by order of the rector. Receipt of applications submitted to the magistracy is carried out by the university's admissions committee, as well as through the information system from July 3 to 25 of the calendar year. Entrance exams in foreign languages, specialty and comprehensive testing are held from 8 to 16 August of the calendar year, enrollment - until August 28 of the calendar year. Persons who have mastered the undergraduate programme are admitted to the master's programme, and persons who have mastered the undergraduate degree programme are admitted to the doctoral programme.

The entrance examination in a foreign language for a master's degree is held by the National Testing Center of the Ministry of Education and Science of the Republic of Kazakhstan. Persons with international certificates confirming the knowledge of a foreign language in accordance with European standards of foreign language proficiency are exempt from the entrance examination in a foreign language to the magistracy.

The PSPU demonstrates the consistency of its actions with the Lisbon Recognition Convention (1997), which provides for a mechanism for recognizing relevant qualifications of the higher education system.

For the purpose of adaptation of new students and foreign students individual consultation of advisors, faculty of the graduating Department is carried out. According to the application on a competitive basis, students who do not have real estate in Pavlodar and provide a certificate in accordance with the standard of the state service "issuance of a certificate of absence (availability) of real estate" (approved by the Order of the Minister of justice of the Republic of Kazakhstan dated April 28, 2015 № 246) in the dormitory.

Gifted students receive support in the form of increased scholarships and discounts on tuition fees or travel payments for participation in scientific conferences, competitions of various levels, scientific internships, etc.

The university and the administration of EP provide opportunities for external and internal mobility of EP students and assist them in obtaining external grants for education. The conditions for the organization of academic mobility and recognition of learning outcomes in foreign universities are described in the document "Academic Policy of PSPU".

According to the Academic Policy of PSPU, awarding academic credits to a student for academic disciplines (modules) and other types of academic work, as well as completing the study of EP as a whole, is carried out with a positive assessment of the learning results achieved by him. Achieved learning outcomes and positive assessments obtained by students at previous levels of education and in other organizations of formal education are recognized with recalculation of academic credits. When translating, restoring achieved learning outcomes, the student's positive assessments are recognized with the transfer of academic credits from one EP to another, from one educational organization to another educational organization.

All academic credits and learning results achieved by students in formal and non-formal education accumulate throughout their lives.

Consistent with the TC, the content of the EP includes the following types of professional practices: pedagogical, as well as research work (practice) aimed at the implementation of a master's or doctoral thesis, carried out without discontinuing theoretical training. For the

expansion and deepening of knowledge, the development of scientific research and development of skills and the development of professional competence undergraduates in the work of scientific circles. For example, undergraduates Olejnik Yu., Mamonova A. are members of the scientific group “Histologist” (Head D.V. Ponomarev, Ph.D., Associate Professor) (Appendix 15 to the “Report on self-assessment of the EP”). Graduate and doctoral students are included in the departmental research projects.

The management of EP concluded agreements with bases of practice (see the description of the standard "Standard" Development and approval of the educational programme ", p.15).

It is obvious that the leadership of EP motivates students to self-education and development outside of training activities and provides students with a variety of places of practice.

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

The structural subdivision of the university is the Department of Marketing and Career, which promotes the employment of graduates and the subsequent interaction with them, the monitoring of professional activity and career advancement of graduates. The university has a working alumni association.

Thus, the university demonstrates the existence of a transparent policy of forming a contingent of students in the context of EP, the presence of clearly defined, approved and published procedures governing the life cycle of students from admission to completion.

Strengths / Best Practices

1) The presence of a policy of forming a contingent of students in the context of the EP from admission to graduation and ensuring the transparency of its procedures. The procedures governing the life cycle of students (from admission to completion) are clearly defined, approved, published.

2) The management of EP determines the procedure for the formation of a contingent of students, based on: minimum requirements for applicants; the maximum size of the group during seminars, practical, laboratory and studio classes; analysis of available material and information resources, human resources.

3) The management of EP demonstrates readiness to provide students with places of practice, to facilitate the employment of graduates, to maintain communication with them.

EEC recommendation

Inform all interested parties about the current passing points in the context of the EP.

The EEC notes that by 5 criteria of this standard the university has a strong position, by 9 criteria it is a satisfactory position.

4.7 Standard "Teaching staff"

The personnel office of the educational institution is staffed in accordance with the legislation of the Republic of Kazakhstan and the “Rules of the competitive filling of teaching staff and scientists of higher educational institutions” (Approved by the Order of the Minister of Education and Science of the Republic of Kazakhstan No. 230 of April 23, 2015) filling the posts of the faculty of PSPU ”(Approved by order of the rector No. 695 of 2912.2018).

The qualification of teachers who implement the accredited EPs corresponds to specialties and levels of training. All teachers have a basic education corresponding to the specialty OP. The share of teachers with academic degrees is 70.6%, incl. doctors of science - 11.8%, candidates of science - 58.8%. Information on education, academic degrees and titles of faculty members is presented on the pages of the “Department of General Biology” and “Faculty members” on the official website of the PSPU). At present, in the implementation of the accredited list .V., Bulekbaeva L.T., Korogogod N.P., Zhumadilov B.Z., Geldymamedova E.A. , 5 registers of biology (Gavrilova T.V., Kabdolov J.R., Shakenova D.K.-K., Shaykhimova A.B., Beissembay A.Zh.). At the same time, there are prospects for raising scientific qualifications - Zh.R.

Kabdolov. He graduated in ochnoy acpiranture Novocibirckogo gocudarctvennogo agrarnogo univerciteta (2013-17) and rabotaet nad kandidatskoy diccertatsiey Po on "Genotipicheckoe raznoobrazie Echinococcus. multilocularis in the centers of Central Asia, Shakeneva D.K.-K. He is trained under the OP doctrine in Kaunac (Lithuania) and performs his doctoral thesis "Genetic diversity of Lythrum salicaria L. population sandrelated factors of environment".

13 teachers (76.5%) can teach academic disciplines in the state language, 9 full-time teachers of the department (52.9%) can teach in English. Thus, the faculty of the department solve the task of the development of trilingual education set by the President of the Republic of Kazakhstan.

The high scientific and methodological qualifications of teachers of the graduating department are confirmed by their participation in the work of republican educational and methodical associations, as well as victories in intra-university and republican methodical competitions. So, the head of the department of general biology G. K. Tulendinova. and associate professor Korogod NP in 2019, they became part of the republican educational and methodical commission for the examination of school textbooks on biology with updated content.

Associate Professor Bulekbaeva L.T. - Winner of the competition "The best teacher of the university" in 2017, Associate Professor Zhumadilov B.Z. - Winner of the competition "The best educational publication in biology and medicine", conducted by the Foundation to support the First President of the Republic of Kazakhstan.

The experience of innovative-practical activity of Professor N.Ye. Tarasovskaya, associate professor Ponomarev D.V. described above, which is relevant and applicable not only in the Republic of Kazakhstan, but also abroad, is unique. All this points to the active participation of faculty members who implement accredited EPs in the development of science, education, and the cultural environment of the region and beyond.

Nevertheless, faculty members implementing accredited EPs systematically improve their qualifications through training in advanced training programmes, through participation in field scientific and methodological events, scientific and methodological seminars of the department, conducting open classes, participation in targeted research and innovative practical activities. . One of the important areas of advanced training is the introduction of modern educational technologies into the educational process of a higher education institution, including wider applications of information and communication technologies (for example, online learning technologies, e-portfolio, etc.). Although, as the experience of EEC in PSPU showed, the introduction of modern information and communication technologies may be limited by the lack of stable Internet and Wi-Fi.

The presented materials testify to the full compliance of the personnel potential of faculty with the development strategy of the university and the specifics of the EP.

The management of the university demonstrates an awareness of responsibility for its employees and the provision of favorable working conditions for them. In particular, modern equipment for histology, genetics, parasitology laboratories, necessary for conducting modern scientific research, was procured from the university. The system of rating evaluation of scientific, innovative, educational, methodical, educational activities of teaching staff works at the university, as a result of which teachers receive incentive wage supplements, incl. compensating costs associated with the publication of scientific articles in high-rating journals that are members of Scopus, Web of Science. This was confirmed by the heads of all structural subdivisions of the university, and teachers during meetings with them of members of the EEC who passed on March 11, 2019. A separate rating scale was developed for young teachers.

Satisfaction of teaching staff with the course of implementation of educational programmes and the educational environment of the university, incl. working conditions are assessed by regular anonymous questioning. An anonymous questioning of faculty members during the EEC, in which 84 university lecturers participated, incl. 12 teachers of the department of general biology showed that the overwhelming majority of teachers positively assess the activities of the university in the development and development of EP, working conditions and

educational resources of the university.

In order to ensure the practice-oriented nature of the educational process, practitioners are involved in the teaching of disciplines within the framework of the OP of the magistracy and doctoral studies. In the frames implemented by the OP teachers-practitioners are: teachers of the university, having experience in secondary school or currently working in other educational organizations: Korogod N.P. Asylbekova G.E., Gavrilova TV, V. Baymurzina B.ZH.

Strengths / Best Practices

1) PA has an objective and transparent personnel policy, including in the context of EP, including recruitment, professional growth and staff development, ensuring the professional competence of the entire state.

2) The NGO demonstrates the compliance of the staff potential of the faculty with the development strategy of the NGO and the specifics of the EP.

3) The TOE clearly defines the contribution of the teaching staff to the implementation of the development strategy of the TOE, and other strategic documents.

4) PA provides opportunities for career growth and professional development of the teaching staff of the OP.

5) The NGO demonstrates the motivation of professional and personal development of teachers of EI, including the encouragement for the integration of scientific activity and education, the application of innovative teaching methods.

EEC recommendations

To increase the number of practicing teachers and leading scientists from other organizations involved in conducting classes in the context of EP in the framework of external and internal academic mobility.

The EEC notes that by 5 criteria of this standard the university has a strong position, by 4 criteria it is a satisfactory position.

5.8 Standard "Educational resources and student support systems"

At the disposal of the university and the department there are specialised training laboratories, equipped in accordance with modern requirements, and a museum complex, which provide an opportunity not only to conduct laboratory and practical classes, but also to conduct scientific research (Appendix 6 of the EP Report on self-assessment).

For the implementation of the EP, the Scientific Center for Biocenology and Ecological Research functions, which allows conducting research in fundamental and applied biological and ecological areas. The center is equipped with equipment for field and laboratory processing of material and PCR analyzes.

The educational and scientific laboratory of functional morphology and histology was organized in 2014, equipped with modern equipment from well-known world manufacturers. The instruments and materials used in the laboratory correspond to high classes of environmental safety. This allows you to actively engage students in educational and research activities. Based on the laboratory in 2014-2015. The material was processed in accordance with the project "Peculiarities of the ecology and evolution of the "A" virus in the bird population of Northern Kazakhstan". Since 2015, the project "Compilation and production of a multilingual educational and methodological complex in biology and sets of micro-preparations for universities and schools" is being implemented. One of the perspective tasks of the laboratory is the creation of a modern production laboratory, which will be able to produce educational-methodical products in commercial volumes - providing the needs of the educational process of the Republic of Kazakhstan, as well as providing educational and research services.

The university has a study laboratory probe microscopy. Scanning probe microscope (SPM) NanoEducator - an atomic force microscope (AFM), which combines the simplicity and high spatial resolution in the study of the relief of objects and determine their physico-chemical properties. SPM is designed to teach the principles of scanning probe microscopy and the acquisition of research skills of micro-objects and nanostructures. The scanning probe

microscope is used in the educational process, in the teaching of disciplines of specialties 6M011300 - Biology, 6M060700-Biology, 6D011300-Biology.

Educational laboratory "Anatomy, morphology and ecology of animals" is equipped with microscopes of the Nikon series, trinocular, binocular, stereoscopic, table for dissecting animals with exhaust unit, refrigerators, drying cabinet, centrifuge, magnetic stirrer, electronic analytical scales, distiller, autoclave. large and small surgical kits, centrifugation kits and a set of laboratory glassware. There is a sewer sump for flushing various waste.

All laboratories are equipped with equipment for life safety and labor protection. There is appropriate fire-fighting equipment, exhaust hoods, personal protective equipment, labor protection instructions, and labor protection instruction logbooks. For each laboratory and audience assigned responsible for fire safety.

The museum complex of the university is the result of many years of activity of scientists of the university, it is a unique educational tool in conducting biological studies. It is a research, cultural, educational and educational unit of the department, a repository of natural history monuments of the natural regions of Kazakhstan. The exposition area of the museum is 400 square meters, represented by four sections: 1) a section of the mineralogy of petrography; 2) section of paleontology; 3) section of zoology 4) section of botany. The museum has a collection stock store, laboratory; occupies the fourth floor of the main building PSPU.

The university has its own scientific library with scientific and educational subscriptions, 3 reading halls, media library, access to electronic technologies and databases KAZNEB (Kazakhstan National Electronic Library, electronic state library of the national continent in St. Petersburg and the rest of the continent in the rest of the world; , Scopus, Springerlink, ELSEVIER. There are agreements on the use of MBA and EDD with the university libraries of the city of Pavlodar and Kazakhstan, the Association of universities of the Republic of Kazakhstan.

The quantity and quality of the library fund allows providing modern educational literature in Russian, Kazakh and English languages to all students in the accredited EP. The staff of the department actively publishes its own educational and teaching aids in Russian, Kazakh and English (Appendix 35 of the "Report on self-assessment of EP").

During the implementation of EP, there is a developed system of support for students in the form of service advisors, self-study of undergraduates with teachers (SRMP) at fixed fixed hours and dates. Students have the opportunity to receive advice and psychological support from qualified mentors and specialists.

Master's and doctoral dissertations, as well as all published textbooks and monographs of faculty members, are obliged to undergo an inspection procedure using the anti-plagiarized Internet system StrikePlagiarism.com. On the basis of the "Regulations on the verification of diploma and written works, master's and doctoral dissertations, teaching and methodical and scientific publications of faculty members in PSPU", approved on 04.12.2018 year. This examination is carried out by the university library, the original position is stored there.

The educational process of the specialties is fully provided with all the necessary information sources: textbooks, teaching aids, teaching aids and developments in academic disciplines, active handouts and guidelines for independent work, access to online educational resources. There are electronic textbooks, video lectures, lectures, presentations, etc. For lectures, there are interactive boards, multimedia projectors, computer classes are connected to the local INTERNET network and to the Wi-Fi network, there are copying and copying equipment. Equipping the educational process with multimedia classrooms and specialised laboratories is carried out constantly in accordance with the requirements of the standards.

The PSPU information educational environment implies a complete transition from the use of separate personal computers to a full-fledged intra-university computer network and its integration into the global Internet network through dedicated lines of two data transmission channels.

Computers of educational buildings have access to the Internet with a bandwidth of

Internet access channels of 200 Mb / s and internal information exchange with speeds up to 1 Gb / s; In all educational buildings, the homes of students No. 1 and No. 2 are wireless access points (Wi-Fi).

On the first day of the accreditation of 11.03.2019, the availability of wireless Internet in educational buildings and student dormitories was verified. The quality of the Internet connection was high and the Wi-Fi worked smoothly with high speed connection. However, on 12.03.2019, access to the Internet and to the educational portal of the university was discontinued for technical reasons and was not restored until 17.03.2019. The university staff explained this fact by switching to a new provider in connection with the results of the past public procurement procedure for the provision of provider services.

Strengths / Best Practices

1) The NGO guarantees a sufficient number of training resources and student support services that meet the objectives of the EP.

2) The NGO demonstrates the adequacy of material and technical resources and infrastructure, taking into account the needs of various groups of students in the context of EP (adults, workers, foreign students, and students with disabilities).

3) The EP's management demonstrates the availability of support procedures for various groups of students, including information and consultation, the compliance of information resources with the specifics of EP, including library resources, including a fund of educational, methodical and scientific literature on general education, basic and major disciplines in paper and electronic media, periodicals, access to scientific databases;

4) The EP's management demonstrates the existence of procedures to support various groups of students, including information and counseling, the compliance of information resources with the specifics of EP, including the examination of the results of research, final works, and dissertations on plagiarism.

Weak sides

The lack of stable functioning of Wi-Fi on the territory of the organization of education.

EEC recommendations

Provide uninterrupted Wi-Fi on the territory of the organization of education.

Provide uninterrupted access to the educational portal of the university.

The EEC notes that the university has a strong position on 4 criteria of this standard, satisfactory on 3 criteria, improvement required on 1 criterion.

5.9. Standard «Public Information»

When describing accredited educational programmes, information is provided according to the standard scheme of description of the EP. The expected results of training are reflected in the qualification characteristics of the graduate in the following categories: scope of professional activity; objects of professional activity; subject of professional activity; types of professional activity; functions of professional activity; typical tasks of professional activity; content of professional activity. Also, the description of the EP contains a competence model of the graduate.

On the portal of the University there is a section for students, which publishes information about existing educational programmes. However, this section only contains information about undergraduate programmes. Description of programmes of postgraduate education is placed in the section "Department of General biology", which is inconvenient in terms of availability of information for students. Also, the description of the EP is given only in Russian and is not available in the state language. It should be noted that in the description of accredited EP there is no indication of the qualification that will be awarded upon completion of training. There is a typo in the specialty code (6B011300 instead of 6M011300 in section 2.1.7 "Content of professional activity").

The educational programmes describe the content of the educational process and provide General information about the evaluation procedures. The policy of evaluation of the quality of

development of educational material is described in more detail in the EMCD (Educational and methodical complex of discipline) for each individual specialty. Unfortunately, there is no information about the passing scores and training opportunities provided to students in the EP.

Accredited EP describe the types, functions and content of professional activities, but do not contain information about possible places of employment of graduates.

On the page of the Department in the educational portal of the University provides information about the staff of the Department. However, the information for each employee is presented in a different style. For some employees, the full name is not specified, but only the initials. Full information about the staff of the Department is available only on the Russian version of the site. Kazakh and English versions of the site do not indicate young faculty & staff.

During the accreditation on 12.03.2009 access to the educational portal of the University for technical reasons stopped and was not restored until 17.03.2009. This fact made it difficult to obtain up-to-date information about the University, faculty and EP and forced to operate on previously obtained data in the preliminary study of the report on self-assessment of EP.

Weakness

In the description of the EP University does not specify the qualification and (or) qualification that will be assigned at the end of the educational programme.

EEC Recommendations

Include in the description of EP the qualification and (or) qualification which will be assigned on completion of the educational programme.

Post information about accredited EP postgraduate education in the "Entrant" on the educational portal of the University.

Inform all interested parties about the current passing points in the context of EP.

Post detailed information about employment opportunities for graduates of accredited EP on the educational portal of the University.

To unify the form of presentation of information about the staff of the Department on the page "Department of General biology" and timely update the information provided.

Provide information about the University, Department and educational programmes on the site in three languages in the same volume.

EEC notes that according to 10 criteria of this standard the University has satisfactory positions.

5.10 Standard "Standards in the context of individual specialties»

In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills on the basis of theoretical training, undergraduates and doctoral students will be involved in the higher education system, which will ensure the development of the ability of undergraduates to conduct research independently, critically choose literature and perform group tasks. Undergraduates and doctoral students will study research methods in education (observation techniques, survey, survey, research ethics and data analysis) and their application to research policy in educational institutions, evaluate their own practice and analyze data collected during pedagogical practice. They are also given the opportunity to gain experience in management and leadership or special educational needs.

Students will be introduced to the basic theories and models used for their specialty training through lectures and seminars, as well as lesson planning, assessment and differentiation. Thus, theory and practice will be inextricably linked through the following works: explanation of the mentor, the study of recommended literature, the implementation of certain tasks related to work in educational institutions, the construction of a mentor model of best practice, observation, discussion and feedback.

Students continue to improve their professional level, already working as teachers (during teaching practice), as well as conducting an analysis of their professional activities in the educational institution, which will allow them to critically evaluate their own practice. Also, the

practical orientation involves the writing of a master's thesis (project), in which undergraduates will apply the theoretical knowledge of planning and conducting classes and evaluating the results of their training throughout the period of training for bachelor and master programmes.

In the master's and doctoral programmes, special emphasis is placed on the following modern innovative approaches, often used in international contexts, to provide quality education in biology: CLIL. (Content Language Integrated Learning); the use of seven modules of the Cambridge University programme in teaching. Constructivist ideas about teaching require that the teacher focused on the student, organized classes in accordance with the tasks that contribute to the development of knowledge, ideas, skills of students.

The professional training programme will meet all expectations and will make undergraduates feel their role in the education of schoolchildren, children in General and their role in the future of the people of Kazakhstan. Also, the professional unit serves as a starting point for undergraduates, continuing to develop learning skills and providing training based on experience in an educational institution.

As part of the interdisciplinary integration in the EP and master's curricula introduced discipline "Methods of molecular genetic research" which is focused on the optimization of student-centered learning and development of abilities of undergraduates in the field of natural Sciences and modern technology. Subject area – interdisciplinary areas of modern natural science at the intersection of physics, chemistry, biology and mathematics. Laboratory work of this discipline is carried out in a comprehensive interdisciplinary educational and research PCR laboratory.

Master's and doctoral works are focused on the modernization of school education, as they address the issues of multilingualism, modern pedagogical technologies. Working on the topic of master's work, undergraduates expand the horizons of methodology, which contributes to the formation of project-oriented consciousness, which will constantly upgrade knowledge, skills, and freely navigate in new situations.

The General results of training on accredited educational programmes will be achieved through the following training activities: 1) classroom classes: lectures, seminars and practical (laboratory) classes – conducted with the innovative learning technologies, the use of the latest achievements of science, technology and information systems and in an interactive form; 2) extracurricular activities: independent work of the student, including under the guidance of the teacher, individual consultations, including the use of ICT; 3) conducting professional practices, preparation of master's work.

The content of the educational programme of the specialty allows students to master the system of subject, interdisciplinary, psychological, pedagogical and methodological knowledge, demonstrate knowledge and understanding in the field of biology, pedagogy, apply this knowledge and understanding at a professional level.

Lectures, seminars, discussions and practical classes, various types of practices throughout the programme will provide undergraduates with ample opportunities to develop key and special competencies in the specialty 6M011300-Biology, in particular the application of theoretical knowledge in biology, taking into account specific socio-pedagogical conditions, rational and creative use in the educational process of pedagogical technologies and information sources (multimedia training programmes, electronic textbooks, TV and Internet technologies).

Management of the teaching staff of independent work of undergraduates, individual consultations will allow to develop undergraduates educational and research skills. In addition, undergraduates are working on a master's thesis on their chosen topic under the personal guidance of a supervisor.

The specialty programme includes pedagogical and research practice (scientific and pedagogical direction) and practical training (profile direction) during the whole period of training, which will allow students to master practice-oriented knowledge and skills in the subject area, planning and organization of educational and pedagogical activities, methods of

teaching biology and application in the educational process of innovative learning technologies, as well as pedagogical interaction of students and teachers, etc.

Settled teachers have many years of experience in the system of higher and postgraduate education. The above mentioned sufficient proportion of teachers with a degree and competence of teachers of the Department of General biology in the field of foreign language allow to conduct classes for undergraduates and doctoral students in full.

The content of most disciplines accredited EP involves the relationship with the content of the fundamental natural Sciences – mathematics, chemistry, physics. The exception is made by such disciplines of humanitarian and pedagogical blocks as "Foreign language", "Management", "Pedagogy" and "Psychology" that naturally follows from the specifics of these courses.

EEC notes that according to 5 criteria of this standard the University has satisfactory positions.

(VI) REVIEW STRENGTHS/ GOOD PRACTICES FOR EACH STANDARD

1. Educational organization (EO) has a published quality assurance policy that reflects the relationship between research, teaching and learning, demonstrates the development of a culture of quality assurance, including in the context of EP.

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

3. The management of the EP involves representatives of stakeholder groups, including employers, students and faculty & staff in the formation of the development plan of the EP.

4. The organization of higher and (or) postgraduate education demonstrates a clear definition of those responsible for business processes within the EP, a clear distribution of duties of staff, the division of functions of collegial bodies.

5. The management of the EP presents evidence of the transparency of the educational programme management system.

6. The EO demonstrates innovation management within the EP, including analysis and implementation of innovative proposals.

7. The management of the EP is trained in educational management programmes.

8. Within the framework of the EP, a system of regular reporting is provided, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of departments and departments, research.

9. EO established the frequency, forms and methods of evaluation of management of EP, the activities of collegial bodies and structural units, senior management, implementation of research projects.

10. Mechanisms of involvement of students, employees and staff in the processes of collection and analysis of information, as well as decision-making based on them have been worked out in the EO.

11. The management of the EP demonstrates a mechanism of communication with students, employees and other stakeholders, as well as conflict resolution mechanisms.

12. The EO provides for the assessment of performance and effectiveness, including in the context of the EP.

13. EO procedures for the development of EP and their approval at the institutional level are defined and documented.

14. The qualifications assigned at the end of the EP are clearly defined and correspond to a certain level of the National qualifications framework (NQF).

15. The complexity of EP are clearly defined in the Kazakhstan credits and ECTS.

16.The EO has established a system of monitoring and periodic evaluation of the EP, which includes: changes in the needs of society and the professional environment; expectations, needs and satisfaction of students with training in the EP; educational environment and support services and their compliance with the goals of the EP.

17.Availability of own research in the field of teaching methods of academic disciplines EP.

18.Availability of mechanisms for the support of students with simultaneous guidance and help from the teacher.

19.There is a procedure for responding to complaints of students.

20.Availability of mechanisms to ensure the achievement of each graduate EP learning outcomes and completeness of their information.

21.The presence of the policy of formation of the contingent of students in the context of EP from receipt to release and ensure transparency of its procedures. The procedures governing the life cycle of students (from admission to completion) are clearly defined, approved and published.

22.Management EP determines the order of formation of the contingent of students, based on: the minimum requirements for applicants; the maximum size of the group during seminars, practical, laboratory and Studio sessions; analysis of available material and technical, information resources, human resources.

23.The management of the EP demonstrates readiness to provide students with places of practice, to promote employment of graduates, to maintain communication with them.

24.EO has an objective and transparent personnel policy, including in the context of EP, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff.

25.EO demonstrates compliance with the staff potential faculty & staff strategies for the development of EO and the specifics of the EP.

26.The GS clearly defines the contribution of faculty & staff to the implementation of the EO development strategy, and other strategic documents.

27.EO provides opportunities for career growth and professional development of staff EP.

28.EO demonstrates motivation of professional and personal development of teachers of EP, including encouragement for integration of scientific activity and education, application of innovative methods of teaching.

29.The EO guarantees a sufficient number of training resources and support services for students that meet the objectives of the EP.

30.EO demonstrates the sufficiency of material and technical resources and infrastructure, taking into account the needs of different groups of students in the context of EP (adults, workers, foreign students, as well as students with disabilities).

31.The management of the EP demonstrates the availability of support procedures for various groups of students, including information and counseling, compliance of information resources with the specifics of the EP, including library resources, including the Fund of educational, methodological and scientific literature on General education, basic and core disciplines on paper and electronic media, periodicals, access to scientific databases.

32.The management of the EP demonstrates the availability of support procedures for various groups of students, including information and consulting, compliance of information resources with the specifics of the EP, including the examination of the results of research, final works, theses on plagiarism.

(VII) REVIEW OF THE RECOMMENDATION ON IMPROVING THE QUALITY

1. Develop a mechanism to ensure the quality of any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility.

2. Annually update and post on the educational portal a list of recommended areas and topics of master's and doctoral theses, taking into account the proposals and recommendations from the main stakeholders.

3. Increase the number of external experts in the examination of the EP.

4. To pay more attention to the development and use of a differentiated approach in the preparation of evaluation tools depending on the level of the educational programme (master's, doctoral).

5. Include detailed criteria and methods for assessing the achievements of students in the EMCD (Educational and methodical complex of discipline) for each discipline taught. In assessing the knowledge of students to use different forms of test tasks (tasks with multiple correct answers; open test tasks; tasks for comparison, etc.).

6. Increase the number of teachers-practitioners and leading scientists from other organizations involved in conducting classes in the context of the EP, including in the framework of external and internal academic mobility.

7. Include in the description of EP the qualification and (or) qualification which will be assigned on completion of the educational programme.

8. Post information about accredited EP postgraduate education on the section "Entrant" on the educational portal of the University.

9. Inform all interested parties about the current passing points in the context of EP.

10. Post detailed information about employment opportunities for graduates of accredited EP on the educational portal of the University.

11. To unify the form of presentation of information about the staff of the Department on the page "Department of General biology" and timely update the information provided.

12. Provide information about the University, Department and educational programmes on the site in three languages in the same volume.

(VIII) REVIEW RECOMMENDATIONS FOR THE DEVELOPMENT OF EDUCATIONAL ORGANISATIONS

1. Develop clear instructions and algorithms in the field of information security, including the identification of persons responsible for the accuracy and timeliness of information analysis and provision of data.

2. Include on a mandatory basis the procedure for obtaining written documentary consent to the processing of personal data of students, employees and teaching staff in accordance with the current legislation of the Republic of Kazakhstan.

3. Provide uninterrupted WI-FI on the territory of the organization of education.

4. Provide uninterrupted access to the educational portal of the University.

Appendix 1. Appendix 1. Evaluation table "SPECIALISED PROFILE PARAMETERS (EX-ANTE) "

for educational programmes "6M060700 Biology", "6M011300 Biology", "6D011300 Biology" RSE on REU "Pavlodar State Pedagogical University" MES RK

№ n \ n	№ n \ n	Criteria for evaluation	Position of the organisation of education			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard "Management of the educational programme"						
1	1.	The organization of higher and / or postgraduate education should have a published quality assurance policy. The quality assurance policy should reflect the link between research, teaching and learning.	+			
2	2.	The organization of higher and (or) postgraduate education should demonstrate the development of a culture of quality assurance, including in the context of EP.	+			
3	3.	Commitment to quality assurance should relate to any activity performed by contractors and partners (outsourcing), including in the implementation of joint / two-diploma education and academic mobility.			+	
4	4.	The EP's management demonstrates the willingness to ensure transparency in the development of an EP development plan based on an analysis of its functioning, the actual positioning of the PA and its activities aimed at meeting the needs of the state, employers, students and other stakeholders. The plan must contain a start date for the implementation of the educational programme.		+		
5	5.	The EP's management demonstrates the existence of mechanisms for the formation and regular review of the EP development plan and monitoring its implementation, evaluation of the achievement of learning objectives, compliance with the needs of students, employers and society, and decision-making aimed at continuous improvement of the EP.	+			
6	6.	EP management should involve representatives of groups of stakeholders, including employers, students and teaching staff in the development of EP development plans.	+			
7	7.	EP management must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national priorities and the development strategy of the organization of higher and (or) postgraduate education.		+		
8	8.	The organization of higher and (or) postgraduate education should demonstrate a clear definition of those responsible for business processes within the EP, a clear assignment of staff responsibilities, and a delineation of the functions of collegial bodies.	+			
9	9.	The EP's management must provide evidence of the transparency of the educational programme management system.	+			
10	10.	The EP management must demonstrate the presence of an internal quality assurance system for the EP, including its design, management and monitoring, their improvement, and making decisions based on		+		

		facts.				
11	11.	The management of the EP should carry out risk management, including within the framework of the EP that is subject to primary accreditation, and also demonstrate a system of measures aimed at reducing the degree of risk.		+		
12	12.	EP management must ensure the participation of representatives of employers, faculty members, students and other interested persons in the collegial bodies of the educational programme management, as well as their representativeness in making decisions on the management of the educational programme.		+		
13	13.	The PA should demonstrate the management of innovations within the framework of the EP, including the analysis and implementation of innovative proposals.	+			
14	14.	EP management must demonstrate evidence of readiness for openness and accessibility for students, teaching staff, employers and other interested parties.		+		
15	15.	The management of EP should be trained in educational management programmes.	+			
Total standard			8	6	1	0
Information Management and Reporting Standard						
16	1.	The PA must demonstrate the availability of a system for collecting, analyzing and managing information through the use of modern information and communication technologies and software and that uses a variety of methods to collect and analyze information in the context of the EP.		+		
17	2.	The EP management must demonstrate the availability of a mechanism for system use of processed, adequate information to improve the internal quality assurance system.		+		
18	3.	EP management must demonstrate fact-based decision making.		+		
19	4.	The EP should include a regular reporting system reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the departments and departments, and research.	+			
20	5.	The PA should establish the frequency, forms and methods for evaluating the management of EPs, the activities of collegial bodies and structural divisions, top management, and the implementation of research projects.	+			
21	6.	The PA should demonstrate how to determine the order and ensure the protection of information, including determining those responsible for the accuracy and timeliness of the analysis of information and the provision of data.			+	
22	7.	An important factor is the presence of mechanisms for the involvement of students, employees and teaching staff in the process of collecting and analyzing information, as well as making decisions based on them.	+			
23	8.	EP management must demonstrate the presence of a communication mechanism with students, employees and other interested parties, as well as mechanisms for resolving conflicts.	+			
24	9.	The PA should demonstrate the availability of mechanisms for measuring the degree of satisfaction of the needs of faculty, staff and students in the framework of the EP.		+		
25	10.	The PA should provide for an assessment of the effectiveness and efficiency of activities, including in the context of the EP.	+			
		<i>Information intended for collection and analysis in the framework of the EP should take into account:</i>				
26	11.	key performance indicators;	+			
27	12.	the dynamics of the contingent of students in the context of forms and types;	+			
28	13.	level of performance, student achievement and expulsion;	+			
29	14.	students' satisfaction with the implementation of the EP and the quality of education at the university;	+			

30	15.	availability of educational resources and support systems for students.		+		
31	16.	The PA shall confirm the implementation of procedures for the processing of personal data of students, employees and teaching staff on the basis of their documentary consent.			+	
Total standard			9	5	2	0
Standard "Development and approval of basic educational programmes"						
32	1.	The PA shall define and document the procedures for the development of the EP and its approval at the institutional level.	+			
33	2.	EP management must ensure that the developed EPs comply with the established goals, including the expected learning outcomes.		+		
34	3.	The management of EP must ensure the availability of developed models of graduate EP, describing learning outcomes and personal qualities.		+		
35	4.	The EP management must demonstrate the conduct of external examinations of the EP content and the planned results of its implementation.		+		
36	5.	The qualifications awarded at the end of the EP must be clearly defined and correspond to a certain level of the NSC.	+			
37	6.	The management of EP should determine the influence of disciplines and professional practices on the formation of learning outcomes.		+		
38	7.	An important factor is the possibility of preparing students for professional certification.		+		
30	8.	EP management must provide evidence of the participation of students, faculty and other stakeholders in the development of EP, ensuring their quality.		+		
40	9.	The complexity of the EP should be clearly defined in Kazakhstan loans and ECTS.	+			
41	10.	The management of EP must ensure that the content of academic disciplines and the planned results correspond to the level of education (bachelor, master, doctorate).		+		
42	11.	The structure of the EP should provide for various activities that ensure the achievement of planned learning outcomes by students.		+		
43	12.	An important factor is the relevance of the content of EP and the learning outcomes of EP, implemented by organizations of higher and (or) postgraduate education in the EHEA.		+		
Total standard			3	9	0	0
Standard "Continuous monitoring and periodic evaluation of educational programmes"						
44	1.	The TOE must determine the mechanisms for monitoring and periodically evaluating the EP in order to achieve the goal and meet the needs of students and society. The results of these processes should be aimed at continuous improvement of the OP.		+		
		<i>Monitoring and periodic evaluation of the EP should include:</i>				
45	2.	the content of the programmes in the light of the latest achievements of science in a particular discipline to ensure the relevance of the discipline being taught;		+		
46	3.	changes in the needs of society and the professional environment;	+			
47	4.	the load and performance of students;		+		
48	5.	the effectiveness of assessment procedures for students;		+		
49	6.	expectations, needs and satisfaction of students with EP training;	+			
50	7.	educational environment and support services and their compliance with the objectives of the EP.	+			
51	8.	The PA and the EP management must determine a mechanism for informing all interested parties about any planned or taken actions regarding the EP.		+		

52	9.	All changes made to the OP should be published. The EP management must develop a mechanism for reviewing the content and structure of the EP, taking into account changes in the labor market, employers' requirements and the social demands of society.		+		
Total standard			3	6		
Standard " Student-centered learning, teaching, and performance assessment"						
53	1.	EP management must ensure respect and attention to various groups of students and their needs, provide them with flexible learning paths.		+		
54	2.	The management of EP should provide for the use of various forms and methods of teaching and learning.		+		
55	3.	An important factor is the availability of own research in the field of teaching methods of academic disciplines OP.	+			
56	4.	EP management must demonstrate the presence of feedback mechanisms on the use of various teaching methods and evaluation of learning outcomes.		+		
57	5.	The EP's management must demonstrate the availability of support mechanisms for the autonomy of students with simultaneous guidance and assistance from the teacher.	+			
58	6.	The EP's management must demonstrate the availability of a procedure for responding to students' complaints.	+			
59	7.	The PA should ensure consistency, transparency and objectivity of the mechanism for evaluating the learning outcomes for each EP, including the appeal.		+		
60	8.	The TOE must ensure that the procedures for evaluating the results of the training of students in EP correspond to the planned results and objectives of the programme. Criteria and assessment methods in the framework of the EP should be published in advance.		+		
61	9.	In the CSO, mechanisms must be defined to ensure that every graduate of the EP offers learning results and ensure the completeness of their formation.	+			
62	10.	Assessors should possess modern methods of assessing learning outcomes and regularly improve their skills in this area.		+		
Total standard			4	6	0	0
Standard "Students"						
63	1.	The PA must demonstrate the existence of a policy of forming a contingent of students in the context of the EP from admission to graduation and ensure the transparency of its procedures. The procedures governing the life cycle of students (from admission to completion) must be defined, approved, published.	+			
		<i>The management of EP should determine the order of formation of the contingent of students on the basis of:</i>				
64	2.	minimum requirements for applicants;	+			
65	3.	the maximum size of the group during seminars, practical, laboratory and studio classes;	+			
66	4.	forecasting the number of government grants;		+		
67	5.	analysis of available material and information resources, human resources;	+			
68	6.	analysis of potential social conditions for students, including providing places in the hostel.		+		
69	7.	EP management must demonstrate readiness to conduct special adaptation and support programmes for new-comers and foreign students.		+		
70	8.	The PA must demonstrate that its actions are consistent with the Lisbon Recognition Convention.		+		

71	9.	The NGO should collaborate with other educational organizations and national centers of the European Network of National Information Centers for Academic Recognition and Mobility / National Academic Information Recognition Centers ENIC / NARIC in order to ensure comparable recognition of qualifications.		+		
72	10.	EP management must demonstrate the availability of a mechanism to recognize the results of academic mobility of students, as well as the results of additional, formal and non-formal education.		+		
73	11.	The GS should provide an opportunity for external and internal mobility of students of EP, as well as readiness to assist them in obtaining external grants for training.		+		
74	12.	The EP's management must demonstrate readiness to provide students with places of practice, to facilitate the employment of graduates, to maintain communication with them.	+			
75	13.	The GS should provide the opportunity to provide graduates of the EP with documents confirming their qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.		+		
76	14.	An important factor is the availability of mechanisms for monitoring the employment and professional activities of graduates of EP.		+		
Total standard			5	9	0	0
Standard "Teaching staff"						
77	1.	The PA must have an objective and transparent personnel policy, including in the context of the EP, including recruitment, professional growth and staff development, ensuring the professional competence of the entire state.	+			
78	2.	The PA must demonstrate the compliance of the staff potential of the faculty with the development strategy of the PA and the specifics of the EP.	+			
79	3.	EP management must demonstrate an awareness of responsibility for its employees and ensuring favorable working conditions for them.		+		
80	4.	The management of EP should demonstrate a change in the role of the teacher in connection with the transition to student-centered learning.		+		
81	5.	The PA must determine the contribution of the teaching staff of the EP to the implementation of the development strategy of the PA and other strategic documents.	+			
82	6.	The NGO should provide opportunities for career growth and professional development of faculty staff.	+			
83	7.	EP management must demonstrate willingness to involve practitioners of relevant industries in teaching.		+		
84	8.	The NGO should demonstrate the motivation of professional and personal development of teachers of EP, including the promotion of the integration of science and education, the application of innovative teaching methods.	+			
85	9.	An important factor is the readiness to develop academic mobility within the framework of the EP, to attract the best foreign and domestic teachers.		+		
Total standard			5	4	0	0
Standard "Educational resources and student support systems"						
86	1.	The GS shall ensure a sufficient number of training resources and student support services that meet the objectives of the EP.	+			
87	2.	The PA should demonstrate the adequacy of material and technical resources and infrastructure taking into account the needs of various groups of students in the context of EP (adults, workers, foreign students, and students with disabilities).	+			
		<i>EP management must demonstrate the availability of support procedures for various groups of students, including information and counseling. The EP management must demonstrate the compliance of</i>				

		<i>information resources with the specifics of the EP, including:</i>				
88	3.	technological support for students and teaching staff in accordance with educational programmes (for example, online training, modeling, databases, data analysis programmes);		+		
89	4.	library resources, including the fund of educational, methodical and scientific literature on general educational, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases;	+			
90	5.	examination of the results of research, final works, dissertations on plagiarism;	+			
91	6.	access to educational Internet resources;		+		
92	7.	WI-FI functioning on the territory of the organization of education.			+	
93	8.	OO should strive to ensure that the training equipment and software intended for use in the development of educational programmes are similar to those used in their respective industries.		+		
Total standard			4	3	1	0
Standard "Public Information"						
		<i>The OO should publish reliable, objective, relevant information about the educational programme and its specifics, which should include:</i>				
94	1.	the expected learning outcomes of the educational programme;		+		
95	2.	the qualification and (or) qualifications to be assigned upon completion of the educational programme;		+		
96	3.	approaches of teaching, learning, as well as the system (procedures, methods and forms) of assessment;		+		
97	4.	information about the scores and training opportunities provided by students;		+		
98	5.	information about graduate employment opportunities.		+		
99	6.	The administration of the EP should provide for various ways of disseminating information, including the media, information networks for informing the general public and stakeholders.		+		
100	7.	Public awareness should include support and clarification of national development programmes of the country and the system of higher and postgraduate education.		+		
101	8.	The OO should demonstrate the information on the web resource that characterizes it as a whole and in the context of educational programmes.		+		
102	9.	An important factor is the availability of adequate and objective information about the faculty of the OP.		+		
103	10.	An important factor is to inform the public about cooperation and collaboration with partners in the framework of the EP.		+		
Total standard			0	10	0	0
Standards in the context of individual specialties						
EDUCATION						
		<i>Educational programmes in the direction of "Education" must meet the following requirements:</i>				
113	1.	EP's management must demonstrate that graduates have a programme of theoretical knowledge in the field of psychology and skills in communications, analysis of personality and behavior, methods of conflict prevention and resolution, students' motivation;		+		
114	2.	EP management must demonstrate the literacy of graduates of the programme in the field of information technology.		+		
115	3.	EP management must demonstrate the presence of disciplines in the programme that teach innovative teaching methods and	+			

		training planning, incl. interactive teaching methods, teaching methods with high involvement and motivation of students (games, case studies / situations, the use of multimedia);				
116	4.	The management of EP must demonstrate to students the ability to teach self-study skills;	+			
117	5.	Within the framework of the EP, emphasis should be placed on various types of practices: - attendance of lectures and classes held by teachers; - holding special seminars and discussions of the latest methodologies and learning technologies; - within the programme, students should have the opportunity to attend at least one discipline in the field of their specialization, taught by a practitioner.		+		
118	6.	Under the EP, students should be provided with the knowledge and skills of systems and methods of pedagogy in the world, as well as knowledge in the field of education management.		+		
Total standard			2	4	0	0
NATURAL SCIENCES, AGRICULTURAL SCIENCES, TECHNICAL SCIENCES, AND TECHNOLOGIES						
		<i>Educational programmes in the areas of "Natural Sciences", "Engineering Sciences and Technology", such as "Mathematics", "Physics", "Information Systems", etc., must meet the following requirements:</i>				
119	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 education programme should include disciplines and activities aimed at gaining practical experience and skills in the specialty in general and the major disciplines in particular. .ch .: - excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, educational and experimental farms, etc.), - carrying out separate occupations or the whole disciplines at the enterprise of specialization, - holding seminars to solve practical problems that are relevant to enterprises in the field of specialization, etc.		+		
120	2.	The faculty involved in the education programme should include full-time teachers with long-term experience as a staff member in enterprises in the field of specialization of the education programme.		+		
121	3.	The content of all disciplines of the EP should be based in one way or another and include a clear relationship with the content of the fundamental natural sciences, like mathematics, chemistry, physics.		+		
122	4.	The management of the EP should provide measures to enhance practical training in the field of specialization.		+		
123	5.	The management of EP should provide training for students in the application of modern information technologies.		+		
Total standard			0	5	0	0
TOTAL			43	67	4	0