



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert commission on the assessment of compliance with the requirements of the standards of specialized accreditation of educational programs

6B04101 - Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a financial organization, 6B04106 - Accounting and Auditing in entrepreneurship

NJSC "Karaganda Industrial University"
in the period from 3 to 5 May 2023

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External Expert Commission

*Addressed to
the IAAR Accreditation Council*



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Temirtau

5 May, 2023

CONTENT

(I) LIST OF DESIGNATIONS AND ABBREVIATIONS.....	3
(II) INTRODUCTION	4
(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION	5
(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE	7
(V) DESCRIPTION OF THE EEC VISIT	8
(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS	9
<i>6.1. Standard "Educational Program Management"</i>	<i>9</i>
<i>6.2. Standard "Information Management and Reporting"</i>	<i>11</i>
<i>6.3. Standard "Development and approval of the educational program"</i>	<i>14</i>
<i>6.4. Standard "Continuous monitoring and periodic evaluation of educational programs"</i>	<i>16</i>
<i>6.5. Standard "Student-centered learning, teaching and assessment of academic performance"</i>	<i>18</i>
<i>6.6. Standard "Students"</i>	<i>21</i>
<i>6.7. Standard "Teaching staff"</i>	<i>24</i>
<i>6.8. Standard "Educational resources and student support systems"</i>	<i>26</i>
<i>6.9. Standard "Informing the public"</i>	<i>28</i>
(VII) OVERVIEW OF STRENGTHS/BEST PRACTICES FOR EACH STANDARD	30
(VIII) REVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS FOR EACH STANDARD	31
(IX) REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION	33
(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL	34
Appendix 1. EVALUATION TABLE "PARAMETERS OF A SPECIALIZED PROFILE"	35
Appendix 2. THE PROGRAM OF THE VISIT TO THE EDUCATIONAL ORGANIZATION	44
Appendix 3. RESULTS OF THE TEACHERS' SURVEY	1
Appendix 4. RESULTS OF THE SURVEY OF STUDENTS	6

(I) LIST OF DESIGNATIONS AND ABBREVIATIONS

AIS	- automated information system
HEI	- higher education institution
EEC	- external expert commission
SESHPE	- State Educational Standard of Higher professional education
UHEMS	- Unified Higher Education Management System
IT-competencies	- information technology competencies
ETTS	- Engineering of transport and technological systems
CED	- catalog of elective disciplines
KarIU	- Karaganda Industrial University
MMS	- Metallurgy and Materials science
MSHE	- Ministry of Science and Higher Education
MFE	- Management in the field of entrepreneurship
IRPH	- International Research and Production Holding
MSHE RK	- Ministry of Science and Higher Education of the Republic of Kazakhstan
IAAR	- Independent Agency for Accreditation and Rating
NJSC	- Non-profit joint stock Company
RI	- research institute
RDW	- research and development work
NCE RK	- National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken"
STP	- scientific and technical program (project)
STC	- Scientific and Technical Council
EP	- educational program
ME	- Mineral enrichment
TS	- teaching staff
RK	- The Republic of Kazakhstan
LR	- Learning results
WC	- working curriculum
CADS	- computer-aided design systems
MM	- mass media
QMS	- quality management system
TMT	- Technological machines and transport
LLP	- Limited Liability Partnership
PPT	- pharmaceutical production technology
EMCD	- educational and methodological complex of the discipline
EMC	- Educational and Methodical Council
SP	- Study plan
AAE	- Accounting and auditing in entrepreneurship
BE	- Business Economics
EFO	- Economics of a financial organization
CTE	- Chemical technology and ecology
GMP	- Good Manufacturing Practice

(II) INTRODUCTION

In accordance with Order No. 67-23-OD of 6.03.2023 of the Independent Agency for Accreditation and Rating, in the period from May 3 to May 5, 2023, an External Expert Commission (EEC) evaluated educational programs "6B04101 - Management in the field of entrepreneurship", "6B04103 -Business Economics", "6B04104 - Economics of a financial organization", "6B04106 - Accounting and auditing in entrepreneurship" of the Institution "Karaganda Industrial University" for compliance with the standards of specialized accreditation of the IAAR.

The presented report of the EEC contains an assessment of the conformity of accredited educational programs (EP) with the criteria of the IAAR standards, an analytical and evidence base, as well as recommendations for improving the considered EP.

The assessment was carried out in a hybrid format by a team of foreign and national experts, including representatives of the academic community, employers and university students in the following composition:

The structure of the EEC:

Chairman of the EEC IAAR – Tamyarov Andrey Valerievich, Candidate of Technical Sciences, Associate Professor of Ulyanovsk State Technical University (Ulyanovsk, Russian Federation), *Off-line participation*.

Foreign Expert IAAR – Inna Sidorova, MBA, ACMA/CGMA (London, the UK), *On-line participation*.

IAAR Expert – Torlanova Botagoz Ongarovna, c.pharm.s., Associate Professor of the Department of Pharmaceutical Production Technology, South Kazakhstan Medical Academy (Shymkent, Republic of Kazakhstan), *Off-line participation*.

IAAR Expert – Aldungarova Aliya Kairatovna, PhD, Associate Professor, D. Serikbayev East Kazakhstan University (Ust-Kamenogorsk, Republic of Kazakhstan), *Off-line participation*.

IAAR Expert – Baktymbet Saule Serikovna, Candidate of Economics, Associate Professor, Deputy Director of the Academy of Political Management (Almaty, Republic of Kazakhstan), *On-line participation*.

IAAR Expert – Abilmazhinov Ermek Tolegenovich, Doctor of Technical Sciences, Associate Professor, Associate Professor Shakarim University (Semey, Republic of Kazakhstan), *Off-line participation*.

IAAR Expert, Работодатель – Dzhagiparova Gulmira Zeynulovna, Head of the Commercial unit, KT Cloud lab, *On-line participation*.

IAAR Expert, Студент – Sisenova Tolganai, 1st-year master's student of the EP "Management", Turan University (Almaty, Republic of Kazakhstan), *On-line participation*.

EEC Coordinator IAAR – Gulfiya Rivkatovna Nazyrova, Candidate of Economics, Project Manager for the formation of external expert commissions IAAR (Astana, Republic of Kazakhstan), *Off-line participation*.

(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

Non-profit Joint Stock Company “Karaganda Industrial University (hereinafter referred to as NJSC “KarIU” or University) is a leading university in Kazakhstan for the training of specialists with higher and postgraduate education in metallurgy, mechanical engineering, chemical, construction and other areas.

NJSC “KarIU” was reorganized in accordance with the Decree of the Government of the Republic of Kazakhstan dated October 11, 2019 No. 752 “On some issues of higher educational institutions of the Ministry of Education and Science of the Republic of Kazakhstan” from the Republican State Enterprise on the right of economic management “Karaganda State Industrial University” (formerly the HEI plant at the Karaganda Metallurgical Combine, created on the basis of a branch Karaganda Polytechnic Institute in 1963).

NJSC “Karaganda Industrial University” carries out its activities on the basis of a state license for the right to conduct educational activities KZ86LAA000019217 dated October 30, 2020.

The university consists of 3 faculties and a Technical and Economic college, 11 departments. The teaching staff of the university is 136 people, including 9 doctors of sciences, about 50 candidates of sciences and PhD doctors.

The total number of students at the time of the visit is about 2,400 people.

In the National IQAA ranking of the leading technical universities of Kazakhstan, the university ranks 7th.

The Department of Economics and Business, which is currently a structural subdivision of the Faculty of Economics and Construction, is the graduating department for accredited EP 6B04101 - Management in the field of Entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a Financial organization and 6B04106 - Accounting and Auditing in Entrepreneurship.

Information about the Department of Economics and Business

The Department of Economics and Business was formed by combining two departments of Economics and Finance and Management and Business in 2020.

The mission of the department is to train highly qualified specialists with the necessary level of professional competencies, tuned to innovation, able to compete in the conditions of modernization of the economy.

The purpose of the department is to create an effective learning system that contributes to meeting the needs of students and society.

The head of the department is Candidate of Economic Sciences Olga Viktorovna Silayeva.

The dynamics of the contingent of students enrolled in accredited EP is presented in Table 1.1:

Table 1.1. Dynamics of the contingent of students in the context of forms and types

Academic year	Forms and types of training	MFE(Management)	EB(Economics)	EFO	AAE
2020-2021	Очная	2	10	6	29
	Вечерняя, заочная, дистанционная	22	52	9	107
2021-2022	Очная	11	12	17	49
	Вечерняя, заочная, дистанционная	10	23	8	56
2022-2023	Очная	11	23	16	86
	Вечерняя	2	12	-	7

Table 1.2. Information on employment of graduates of all forms of education in 2022

EP	Number of graduates, total	Of them employed	% of employment
Management in the field of entrepreneurship,	8	7	87,5
Business Economics	13	5	38
Economics of a financial organization	8	5	62,5
Accounting and Auditing in entrepreneurship	57	36	63,1

Qualitative and quantitative composition of teachers of the department

At the time of accreditation, 16 people work at the department, including 2 doctors of sciences, 1 PhD, 6 candidates of sciences (56% of the degree), 7 masters (44%). The average age of the teaching staff is 48 years. More detailed information is provided in Table 1.3

Table 1.3 Quantitative and qualitative composition of teaching staff of departments that produce accredited EP

№	Name	2019-2020	2020-2021	2021-2022
1	Number of full-time teaching staff with academic degrees and titles, people/ % ratio	6/55%	7/47%	10/56%
2	The number of teaching staff teaching classes in the Kazakh language, people / % ratio	5/45%	5/33%	6/33%
3	The number of full-time teaching staff without basic education, people/ % ratio	1/9%	1/6%	1/6%
4	Average age of teaching staff with academic degree and title, years	54	52	56
5	The number of teaching staff who have passed advanced training, people.	15	21	21

(IV) **DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE**

Accreditation of educational programs according to IAAR standards is carried out for the first time.



(V) DESCRIPTION OF THE EEC VISIT

The visit and work of the EEC on the examination and evaluation of the EP was carried out in strict accordance with the developed and approved hybrid format program for May 3-5, 2023.

In order to coordinate the activities for the visit of the team of experts to the KarIU University Institution, an introductory meeting was held the day before, during which the goals, objectives, program and functional responsibilities of each expert were discussed, key forms and methods of the upcoming expert assessment were identified.

The External Expert Commission applied a number of methods and tools in the process of evaluating accredited evaluation standards, including document analysis, website review, visiting departments, visual inspection of material and technical equipment, group and panel interviews with senior management, middle and lower managers, members of the teaching staff, students, graduates and employers.

In general, 59 people took part in the meetings on the part of the University, the distribution of positions by category is shown in Table 1 below.

Table 1 Participants of meetings from the university by category

№	Category of participants	Number, people.
1	Rector	1
2	Vice -Rectors	2
3	Heads of structural divisions	13
4	Deans and heads of departments	7
5	Graduates	8
6	Students	14
7	Cluster teaching staff	8
8	Employers, representatives of practice bases	9
Total		62

Meetings and interviews were held in a hybrid format in accordance with the time regulations of the EEC visit program, the participants of the meetings demonstrated good time management, business ethics and involvement in the process. In total, 7 interviews were conducted with various stakeholders.

During the tour of the educational institution, classrooms, office premises (departments, deaneries), scientific laboratories, computer classes, a student recreation room, a canteen, a library and a reading room were examined.

In order to obtain a comprehensive assessment of accredited programs, an electronic questionnaire was conducted among the teaching staff and the student community, covering 40 students and 25 teaching staff members.

During the visit, additional internal documentation of the university was studied to fill in the missing data required for making objective decisions on compliance with the criteria of the IAAR standards. Additionally, an important source of information was the university's website as the main resource for obtaining operational and relevant data by various types of stakeholders – students, parents, employers, representatives of government agencies, civil society and others.

As a summing up of the visit of the EEC, a final session was held with the rector's corps, heads of structural divisions and teaching staff, aimed at providing initial feedback by the Chairman and experts on the results of the visit to the university and assessing its compliance with Accreditation standards.

(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS**6.1. Standard "Educational Program Management"**

- ✓ *The university should demonstrate the development of a goal and strategy for the development of the EP based on the analysis of external and internal factors with the broad involvement of a variety of stakeholders.*
- ✓ *The quality assurance policy should reflect the relationship between scientific research, teaching and learning.*
- ✓ *The university demonstrates the development of a culture of quality assurance.*
- ✓ *Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility.*
- ✓ *The management of the EP ensures transparency in the development of the EP development plan based on the analysis of its functioning, the real positioning of the university and the orientation of its activities to meet the needs of students, the state, employers and other interested persons.*
- ✓ *The management of the EP demonstrates the functioning 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.*
- ✓ *The management of the EP should involve representatives of groups of interested persons, including employers, students and teaching staff in the formation of a development plan for the EP.*
- ✓ *The management of the educational institution should demonstrate the individuality and uniqueness of the development plan of the educational institution, its consistency with national development priorities and the development strategy of the educational organization.*
- ✓ *The university must demonstrate a clear definition of those responsible for business processes within the framework of the EP, the distribution of staff duties, the differentiation of functions of collegial bodies.*
- ✓ *The management of the EP ensures coordination of the activities of all persons involved in the development and management of the EP, and its continuous implementation, as well as involves all stakeholders in this process.*
- ✓ *The management of the EP should ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and making appropriate decisions.*
- ✓ *The management of the EP should carry out risk management.*
- ✓ *The management of the educational institution should ensure the participation of representatives of interested persons (employers, teaching staff, students) in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.*
- ✓ *The university must demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals.*
- ✓ *The management of the EP should demonstrate its openness and accessibility to students, teaching staff, employers and other interested persons.*
- ✓ *The management of the EP confirms the completion of training in educational management programs.*
- ✓ *The management of the EP should strive to ensure that the progress made since the last external quality assurance procedure is taken into account when preparing for the next procedure.*

The evidentiary part

The educational strategy of KariU is carried out in accordance with the University development strategy (<https://drive.google.com/file/d/1iKjHjZ9i-MEpXjq58X7Nx44LEMn2LOdv/view>) for 2021-2025 and the Academic Policy of the university (https://drive.google.com/file/d/1c1Kk_3F-snBeVjBQmD_76OhtWwOHA-aG/view)

The University also has an Internal Quality Assurance Policy (<https://ttu.edu.kz/ru/ob-universitete/smk/politika-v-oblasti-kachestva/>), emanating from the University's Mission (<https://ttu.edu.kz/ru/missiya-universiteta/>). In accordance with the Quality Policy and the indicators of the Strategy, Quality Objectives have been defined, confirmed by the Training Council. The quality goals are defined for 2022-2023 and are available for viewing to all interested persons on the website of the KariU (<https://ttu.edu.kz/ru/celi-v-oblasti-kachestva/>) and on the stands of structural divisions and departments.

The quality assurance policy of educational programs 6B04101 - Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a financial

organization, 6B04106 - Accounting and auditing in entrepreneurship is determined by the documented quality objectives of the Department of Economics and Business (EB), developed for each academic year. The department annually defines quality goals in the following areas: managerial, educational, methodical, scientific, educational.

One of the important contributions to the development of a culture of quality assurance is the creation of a Board of Directors at the university (<https://ttu.edu.kz/ru/korporativnoe-upravlenie/>).

The purpose of its creation is to ensure the state-public nature of the University's management.

The quality assurance policy is also applicable to the activities of contractors, including external audits, maintenance of premises, provision of communication services, plagiarism detection services.

The development plans of EP 6B04101 - Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a financial organization and 6B04106 - Accounting and auditing in entrepreneurship are updated in structure and content and are implemented through interaction with stakeholders, through their participation in the development of modular educational programs, a catalog of elective disciplines, the provision of practice bases.

Information about the participation of representatives of stakeholders (employers, students, teaching staff) as part of the collegial management bodies of educational programs is placed on the title pages of the MEP, which contains information about the composition of the working group. Employers participate in the development of educational programs on the basis of the order "On the creation of working groups of councils with employers" (<https://drive.google.com/file/d/16Q3pW2Z9nnXdukl4kKbgxPoZhFYrZO/view>)

The University's Strategy prescribes possible risks, consequences in case of failure to take risk management measures, as well as risk management measures. Within the framework of accredited EP, a system of measures aimed at reducing the degree of risk is demonstrated in the Programs and plans for the development of OP for 2021-2023 academic years, which are posted on the pages of the corresponding modular programs (EP 6B04101 MFE https://docs.google.com/document/d/15gEkZzdZEdTEj-oCV6W4GonNG5SbhxAM/edit?usp=share_link&ouid=111564118040411393039&rtpof=true&sd=true , 6B04103 BE https://docs.google.com/document/d/1tIK_9u26lYzTltvmc3c8RZ4AyoBeosg/edit?usp=share_link&ouid=111564118040411393039&rtpof=true&sd=true , 6B04104 EFO https://docs.google.com/document/d/1q_HUwzz_jFlbD2KCgxnRyYKICtS6316p/edit?usp=share_link&ouid=111564118040411393039&rtpof=true&sd=true , 6B04106 AAE https://docs.google.com/document/d/1jHuVaAUvLcdog7zr1_gXDrvpwj-rjk6H/edit?usp=share_link&ouid=111564118040411393039&rtpof=true&sd=true)

Analytical part

The internal quality assurance policy is an integral part of the structure, procedures and processes necessary for quality management. Based on the analysis of the quality assurance policy published on the document's website, it can be concluded that this document reflects the relationship between scientific research, teaching and learning.

The results of the survey of students, graduates and teaching staff, their questionnaires, the study of the development plans of the EP, reports, minutes of the meeting of the department, confirms the transparency of the development of the EP, demonstrates the successful functioning of the mechanism for the development, approval, monitoring and modification of the development plan of the EP, their compliance with the expectations of students and employers, state programs of Kazakhstan and the Ministry of Education of the RK in the field of education.

The goals and target indicators of the Development Strategy for 2021-2025 are clearly defined and demonstrate the connection between the announced current goals and the long-term

development policy of the University.

According to the self-assessment report, the individuality and uniqueness of the development plans of the EP is determined by the need for personnel in accordance with the main provisions of the Kazakhstan-2050 development strategy, annual presidential messages, state programs and concepts. However, after reviewing the programs and plans for the development of the EP, as well as the results of interviews with the experts of the EEC, they could not be convinced of the uniqueness and individuality of the accredited educational programs.

Employers participate in the development of educational programs on the basis of the order "On the creation of working groups of councils with employers". However, the EEC Commission notes the insufficient involvement of employers in the process of developing accredited OP and the development of key competencies.

During an interview with the management of accredited educational programs and in the process of reviewing the certificates provided, the EE commission made sure that the management of the EP is being trained in educational management programs.

The conclusions of the EEC on this standard were confirmed in reports and dialogues held at meetings with the administration and management of the KarIU units (conducted online and offline).

Strengths/Best practice for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a Financial organization, 6B04106 - Accounting and Auditing in Entrepreneurship:

- according to this Standard, EP has no strengths.

EEC recommendations for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a financial organization, 6B04106 – Accounting and auditing in entrepreneurship:

By the beginning of the 2024 calendar year, the management of the EP will revise the development plan of the EP with an emphasis on their uniqueness, determine a niche in the educational market, taking into account the specifics of the region and training personnel for enterprises with the possible introduction of appropriate disciplines and updating the content taking into account related EP.

Conclusions of the EEC by criteria:

According to the standard "Educational Program Management", 17 criteria are disclosed, of which strong – 0, satisfactory – 16, suggest improvements – 1.

6.2. Standard "Information Management and Reporting"

- ✓ *The university should ensure the functioning of the information collection, analysis and management system based on modern information and communication technologies and software.*
- ✓ *The EP management demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system.*
- ✓ *The management of the EP demonstrates the existence of a reporting system reflecting the activities of all structural divisions and departments within the framework of the EP, including an assessment of their effectiveness.*
- ✓ *The university should determine the frequency, forms and methods of assessing the management of the EP, the activities of collegial bodies and structural units, and top management.*
- ✓ *The university must demonstrate a mechanism for ensuring the protection of information, including the identification of responsible persons for the reliability and timeliness of information analysis and data provision.*
- ✓ *The university demonstrates the involvement of students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.*
- ✓ *The management of the EP should demonstrate the availability of communication mechanisms with students, employees and other stakeholders, including conflict resolution.*
- ✓ *The university must ensure the measurement of the degree of satisfaction of the needs of students, teaching*

staff and staff within the framework of the EP and demonstrate evidence of the elimination of the detected shortcomings.

- ✓ *The university should evaluate the effectiveness and efficiency of its activities in the context of the EP.*
- ✓ *The information collected and analyzed by the university within the framework of the EP should take into account: key performance indicators; the dynamics of the contingent of students in the context of forms and types; the level of academic performance, student achievements and expulsion; satisfaction of students with the implementation of the EP and the quality of education at the university; availability of educational resources and support systems for students; employment and career growth of graduates.*
- ✓ *Students, teaching staff and staff must document their consent to the processing of personal data.*
- ✓ *The management of the EP should help to provide the necessary information in the relevant fields of sciences.*

The evidentiary part

KarIU uses traditional information management and transmission processes, as well as software products and information systems. Information management at the university is characterized by the presence of information flows both from the top down from the top management to the operational level and from the bottom up from the subjects of the educational process, all interested parties to the management.

Information management processes within the framework of the KarIU are regulated by the standard of the organization of the QMS StE II.7-04.02-2021 "Internal information". Internal information processes are provided with management documentation, the composition of which is determined by the competence of the organization, the procedure for resolving issues, the volume and nature of relations between the divisions of the KarIU.

University Internet resources are created at various levels of hierarchy: from personal websites and department pages to university-wide information repositories and are available to students and teachers both on the internal network and on the Internet.

A unified information network has been created at the university, including all computers, information resources (web portals, file servers) that allow you to effectively manage the educational process and all information resources. All buildings of the university have access to a wireless Wi-Fi network with Internet access.

For the collection, analysis and management of information, the automated information system (hereinafter – AIS) "Platonus" is functioning, and as the main learning management system (Learning management system, LMS) starting from 2021-2022 academic year – "Moodle" (<https://dot4.tttu.edu.kz>).

The confidentiality of personal data of University students is ensured through the AIS "Platonus", in which students and teaching staff have their own personal accounts, which they can enter through personal usernames and passwords.

General information about the university and the EP is available in three languages (Kazakh, Russian and English) on the official website of the university <https://tttu.edu.kz>.

Students, employees and teaching staff document their consent to the processing of personal data. Documented information security management measures that ensure the trust of stakeholders, as well as the storage, use and protection of personal data of students and university staff are defined in the Information Security Regulation, the Regulation on DDT and the Regulation on Informing the Public (<https://tttu.edu.kz/abuniv/qms/polozheniyaprovisions-erezheler/>).

To stimulate feedback, "trust boxes" for suggestions and comments have been installed, and the rector's blog is functioning. In addition, graduates, students, employers can fill out the relevant questionnaires online.

To resolve disputed cases, an appeal commission is created among teachers whose qualifications correspond to the profile of the disciplines being appealed (Regulations on the organization of current and boundary controls, intermediate certification and assessment of students' knowledge of QMS P 4-34-2021) (<https://tttu.edu.kz/abuniv/qms/polozheniyaprovisions-erezheler/>).

Analytical part

During the analysis of materials for compliance with the requirements of the criteria of the "Information Management and Reporting" standard for accredited cluster ops, the commission notes that the university has an information and reporting management system. Information management includes the management of traditional flows and digital information flows.

The EEC notes that the information collected within the framework of the university's activities, including through statistical processing of information, reporting, allows you to generate analytical reports and make decisions based on facts. However, the EEC notes the need to evaluate the effectiveness and efficiency of activities, including in the context of EP.

Conducting a survey among students on the issue of satisfaction with the educational program of the KariU is systematic. It is carried out constantly, being an element of quality management.

The EEC Commission draws attention to the fact that as a result of the survey of teaching staff, only 24% of teachers believe that the management perceives criticism "very well"; at the same time, 12% of respondents rated this reaction to criticism as "relatively bad".

In the course of familiarization with the fullness of the website, experts noted the lack of clarity of the placement of information by sections, the difficulty in finding information relevant to a particular EP, in some cases - the lack of information. Thus, in the section "Applicants" - "Bachelor's degree educational programs", EP 6B04104 - Economics of a financial organization is completely absent. The lack of information about the availability of an educational program on the university-a website can negatively affect the dynamics of the EP contingent.

During the online survey of the teaching staff during the visit:

- The level of feedback between the teaching staff and the management 44% of teaching staff rated "very good", 52% - "good", 4% - "relatively bad";
- Openness and accessibility of the manual for teachers was rated by 60% as "very good" and 40% as "good";
- Participation in management decision-making was rated as "very good" by 40% of the teaching staff, as "good" by 60% of the teaching staff;
- 24% of teachers believe that the management perceives criticism in their address "very well", 64% as "good" and 12 as "relatively bad";
- 74% are fully satisfied with the support of suggestions and comments from the management of the teaching staff, 26% of the teaching staff are partially satisfied.

The online survey of students showed:

- 80% of students are fully satisfied with the content and information content of the website of the educational organization in general and faculties in particular, 20% are partially satisfied %;
- 90% of students are fully satisfied with the speed of response to feedback from teachers regarding the educational process, 10% are partially satisfied%;
- 90% of students are fully satisfied with the clarity of the procedures for taking disciplinary measures, 10% are partially satisfied%;
- 85% of students are fully satisfied with information support and explanation of the admission rules and the strategy of the educational program (specialty) before entering the university, 15% are partially satisfied%;
- 82.5% of students are fully satisfied with informing the requirements in order to successfully complete this educational program (specialty), 17.5% are partially satisfied.

Strengths/Best practice for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a Financial organization, 6B04106 - Accounting and Auditing in Entrepreneurship:

- according to this Standard, EP has no strengths.

EEC recommendations for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a financial organization, 6B04106 – Accounting and auditing in entrepreneurship:

- By the beginning of the 2023-2024 academic year, it is recommended to align all sections of the website in order to provide complete and up-to-date information about the educational programs offered.

Conclusions of the EEC by criteria:

According to the Information Management and Reporting standard, 17 criteria have been disclosed, of which strong -0, satisfactory – 17, suggest improvements -0.

6.3. Standard "Development and approval of the educational program"

- ✓ The university must demonstrate the existence of a documented procedure for the development of an EP and its approval at the institutional level.
- ✓ The university must demonstrate the compliance of the developed OP with the established goals and planned learning outcomes.
- ✓ The management of the EP should determine the impact of disciplines and professional practices on the formation of learning outcomes.
- ✓ The university demonstrates the existence of a graduate model of an EP describing learning outcomes and personal qualities.
- ✓ The qualification assigned upon completion of the EP must be clearly defined, explained and correspond to a certain level of the NSC, QF-EHEA.
- ✓ The management of the EP should demonstrate the modular structure of the program based on ECTS, ensure that the structure of the content of the EP meets the goals set with a focus on achieving the planned learning outcomes for each graduate.
- ✓ The management of the EP should ensure that the content of academic disciplines and learning outcomes correspond to each other and the level of study (bachelor's, master's, doctoral studies).
- ✓ The management of the EP must demonstrate the conduct of external examinations of the EP.
- ✓ The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development and quality assurance of the EP.
- ✓ The management of the EP should demonstrate the uniqueness of the educational program, its positioning in the educational market (regional/national/ international). An important factor is the possibility of preparing students for professional certification.
- ✓ An important factor is the availability of joint(s) and/or double-degree EP with foreign universities

The evidentiary part

The KarIU defines and documents the procedures for the development of EP and their approval at the institutional level, which are reflected in the documents of the QMS P 4-25-1-2021 "Regulations on the development of modular educational programs".
(<https://drive.google.com/file/d/1jUqeB61y6orrRbx30si5ZbToieknZwde/view>)

Measures to assess the quality of the implementation of the OP include the collection and analysis of statistical data on a number of key indicators (academic performance, employment, number of enrolled students); assessment of student satisfaction with the conditions, process and learning outcomes (survey results); feedback from partner organizations, etc.
(https://drive.google.com/file/d/1cggvTTt5Qxqr55v4wBU-252pMRij784_/view)

For approval, the EP is considered at a meeting of the department and submitted for consideration by the Faculty Council,. Following the results of the meetings of the collegial bodies, protocols are drawn up, which reflect the decisions taken. Employers, social partners take part in the examination and approval of the MEP EP, according to the results of which changes are made. Approved educational programs are posted on the official website of the university
(<https://ttu.edu.kz/ru/obrazovanie/modulnie-obrazovatelnie-programmi/>)

EP is subject to annual examination and updating. To do this, in March-April of the current academic year, an expanded meeting of the department is held with the participation of employers, representatives of the DAP and students, at which an assessment of the current EP is given, based on the results of which a conclusion is made about the effectiveness of the program,

and a decision is made on the further use of the EP in the educational process.

The management of the assessed EP in modular educational programs has developed graduate models describing learning outcomes and personal qualities based on the “Regulations on the development of a Graduate model” (https://drive.google.com/file/d/1QZ9YkNT5_yNCjLxeJfIZ5FuunaUBfqyI/view);

Competencies are spelled out for each EP in the MEP document, available for viewing on the university's web page (<https://ttu.edu.kz/ru/obrazovanie/modulnie-obrazovatelnie-programmi/>)

The curricula of the cluster's educational programs have a modular structure. The modular structure of educational programs contains autonomous organizational and methodological modules, the content and scope of which may vary depending on the didactic goals, profile and level differentiation of students.

In addition to the MEP, a catalog of elective disciplines (CED) has been developed, which is a systematic list of all disciplines of the component of choice with a detailed description of them and an indication of competencies for each discipline. The catalog is available for viewing on the university's web page (<https://ttu.edu.kz/ru/katalog-elektivnix-disciplin/>)

EP passports were subject to external examination at the Center of the Bologna Process and Academic Mobility of the Ministry of Education and Science of the Republic of Kazakhstan when they were included in the Register of Educational Programs of Higher and Postgraduate Education. Accredited EP are included in the register of ESUVO.

The University has created conditions for practical training as one of the types of educational work, developed programs whose content corresponds to the goals and objectives of training specialists; concluded contracts for practical training.

Analytical part

The step-by-step algorithm for the development and approval of accredited EP is worked out and logical. Stakeholders, including teachers and employers, participate in the development and approval of the EP. The goals and corresponding tasks of educational programs are developed taking into account the industry specifics of training areas and employers' expectations regarding the formation of competencies of future specialists.

Despite the existence of a provision on the development of a graduate competence model, the commission was unable to familiarize itself with such a model in its entirety. The information is presented in fragments in various documents and paragraphs of documents (for example, in paragraphs 5.1 and 5.2 of the passports of MEP in sections.

The members of the expert commission also got acquainted with the list of opportunities provided in the field of professional certification. Unfortunately, at the moment the certification is in its infancy. Despite the fact that first-year students are given the opportunity to be certified in the specialty “secretary-referent” (does not apply to professional certification), there is no possibility of a more relevant special certification yet.

According to experts, the university pays insufficient attention to the positioning of educational institutions in the educational market, without exploiting their uniqueness at the regional and national level, which poses a potential threat to the dynamics of the contingent of students.

Strengths/Best practice for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a Financial organization, 6B04106 - Accounting and Auditing in Entrepreneurship:

- according to this Standard, EP has no strengths.

EEC recommendations for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a financial organization, 6B04106 – Accounting and auditing in entrepreneurship:

- By the beginning of the calendar year 2024, the management of the EP is recommended to develop a marketing strategy for positioning the EP cluster in the educational market, providing a competitive advantage and uniqueness of programs;
- By the end of the academic year 2023-2024, to develop a system of professional certification in order to increase the coverage of students and graduates in the register of certified specialists to 30-50%.

Conclusions of the EEC by criteria:

According to the standard "Development and approval of an educational program", 12 criteria are disclosed, of which strong -0, satisfactory – 10, suggest improvements -2.

6.4. Standard "Continuous monitoring and periodic evaluation of educational programs"

- ✓ *The university should ensure the revision of the structure and content of the EP, taking into account changes in the labor market, the requirements of employers and the social request of society.*
- ✓ *The university must demonstrate the existence of a documented procedure for monitoring and periodic evaluation to achieve the goal of the EP and continuous improvement of the EP.*
- ✓ *Monitoring and periodic evaluation of the EP should consider:*
 - *the content of the program in the context of the latest achievements of science and technology in a particular discipline;*
 - *changes in the needs of society and the professional environment;*
 - *workload, academic performance and graduation of students;*
 - *effectiveness of student assessment procedures;*
 - *needs and degree of satisfaction of students;*
 - *compliance of the educational environment and the activities of support services with the goals of the EP.*
- ✓ *The management of the EP should publish information about changes to the EP, inform interested parties about any planned or undertaken actions within the framework of the EP.*
- ✓ *Support services should identify the needs of various groups of students and the degree of their satisfaction with the organization of training, teaching, evaluation, and mastering of the EP as a whole.*

The evidentiary part

Monitoring and periodic evaluation of EP 6B04101 - Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a financial organization and 6B04106 - Accounting and auditing in entrepreneurship considers: the content of programs in the light of recent scientific achievements and changes in the regulatory framework to ensure the relevance of the discipline taught; changes in the needs of society and the professional environment; the load, academic performance and graduation of students; effectiveness of evaluation procedures of students; expectations, needs and satisfaction of students with training in EP; the educational environment and support services and their compliance with the goals of the EP.

The procedure for monitoring the EP includes mandatory discussion of analytical reports and reports at meetings of the Faculty Council, the Academic Council (at least 2 times a year, based on the results of the winter and summer sessions) and meetings of heads of structural divisions (based on the results of boundary control and interim certification).

The results of monitoring are presented to the management of the KarIU and discussed at meetings of departments, Faculty Council, EMS, Academic Council of the university. Based on the analysis of the results, the management makes various management decisions to improve the EP, which are reflected in the development plans of the EP and the university, applications for the necessary resources, etc.

The evaluation results are also used to make adjustments to accredited educational programs. Thus, the following changes were made to the syllabuses of disciplines for accredited EP.

Changes in the content of individual disciplines

№	Discipline	Changes made
1	Tax accounting and reporting	1. The provisions of the studied topics have been updated in accordance with the amendments to the Tax Code as of 01.01.2023. 2. In the study of the topic taxation of the wage fund, the study of a single payment with a photo is included 3. In the study of the topic special tax regimes, the study of the topic Retail tax is included
2	Fundamentals of accounting	1. The Evaluation topic and its types have been added for study. Calculation and calculation objects 2. The topic of the composition of costs included in the cost of finished products, works, services has been added for study. cost accounting accounts. finished products and their evaluation.
3	Financial accounting 1	The topic "Impairment of assets" is excluded
4	Statistics	Added the topic "Visualization of statistical data"
5	Pricing	Updated the provisions of the topic "Franking topics" in accordance with the changes in the Rules of international trade "Incoterms 2020".

Identification of the wishes of students and teachers is carried out during the questionnaire. The last survey was conducted in March 2023 based on the results of the winter session. There are also meetings of departments, round tables to discuss relevant issues, at which the wishes of teachers and employers and students invited to participate are listened to (<https://drive.google.com/file/d/1EjBQhpbPEqG0WDxAyL9ebRrjkepoHTqi/view?usp=sharing>).

The revision of the content and structure of the EP is considered at the meetings of the departments and, following the discussion, a protocol is drawn up, which indicates all the proposals and comments considered, recommendations from employers, the level of compliance of the changes made to the EP with the requirements of external and internal regulatory documents, professional standards. The proposals adopted by the department to amend the EP are submitted to the Faculty Council for consideration. The Faculty Council reviews the compliance of the changes made to the EP with regulatory requirements and gives an opinion for the Educational and Methodological Council. With a positive recommendation from the Faculty Council, the updated content of the EP undergoes an external evaluation and examination with a review. Before being considered by the EMS, changes in the EP are coordinated with the Department of Academic Policy.

Analytical part

The university has official mechanisms for the development, approval, periodic evaluation and monitoring of implemented EP and assigned qualifications, which is reflected in the regulatory documents approved by the Academic Council of the University and regulating educational activities at the University.

The Commission notes that the university systematically provides a review of the content and structure of educational programs, as well as an external expert assessment with the involvement of employers.

However, the EEC Commission notes the absence of a mechanism for informing all interested parties on the university's website about planned or taken actions in relation to the EP. Among other things, the university does not publish information about changes made to the EP.

The survey conducted during the visit of the EEC IAAR showed that students express full and partial satisfaction:

- 90% of students are satisfied with the quality of the educational program, 10% are partially dissatisfied.

- The evaluation criteria used by the teacher are clear and accessible - 82.5% of students are satisfied, 17.5% are partially dissatisfied.
- The teacher objectively evaluates the achievements of students - 80% of respondents fully agree with this statement, 20% agree.

Strengths/Best practice for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a Financial organization, 6B04106 - Accounting and Auditing in Entrepreneurship:

- according to this Standard, EP has no strengths.

EEC recommendations for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a financial organization, 6B04106 – Accounting and auditing in entrepreneurship:

- In time before the beginning of the 2023/24 academic year, to develop regulations for prompt and regular notification of changes made to the EP and publish them taking into account target groups of consumers.

Conclusions of the EEC by criteria:

According to the standard "continuous monitoring and periodic evaluation of the educational program", 10 criteria are disclosed, of which strong -0, satisfactory – 9, suggest improvements -1.

6.5. Standard "Student-centered learning, teaching and assessment of academic performance"

- ✓ *The management of the EP should ensure respect and attention to different groups of students and their needs, providing them with flexible learning paths.*
- ✓ *The management of the EP should provide teaching based on modern achievements of world science and practice in the field of training, the use of various modern teaching methods and evaluation of learning outcomes that ensure the achievement of the goals of the OP, including competencies, skills to perform scientific work at the required level.*
- ✓ *The management of the EP should determine the mechanisms for distributing the educational load of students between theory and practice within the framework of the EP, ensuring the development of the content and achievement of the goals of the EP by each graduate.*
- ✓ *An important factor is the availability of own research in the field of methods of teaching the disciplines of the EP.*
- ✓ *The university must ensure that the procedures for evaluating learning outcomes correspond to the planned results and goals of the EP.*
- ✓ *The university should ensure the consistency, transparency and objectivity of the mechanism for evaluating the results of the EP training, the publication of criteria and evaluation methods in advance.*
- ✓ *Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area.*
- ✓ *The management of the EP should demonstrate the existence of a feedback system for the use of various teaching methods and evaluation of learning outcomes.*
- ✓ *The management of the EP should demonstrate support for the autonomy of students with simultaneous guidance and assistance from the teacher.*
- ✓ *The management of the EP must demonstrate the existence of a procedure for responding to complaints from students.*

Evidentiary part

At the university, an equal opportunity is provided for all groups of students to form a flexible individual training program. In particular, by levels, form and languages of instruction, as well as by categories of students, including for persons with special needs.

Students from the catalog of elective disciplines (CED) choose disciplines on the basis of which individual training plans (ITP) for the upcoming academic year are formed. The flexibility of the learning trajectory is also confirmed by the possibility of mastering additional

competencies within the framework of the Minor-program. The mechanism of formation of the learning trajectory is regulated by internal regulatory documents, "Academic Policy", QMS StO II.8-02.02-2021 "Management of the learning process".

Achieving the goals of accredited educational programs EP 6B04101 – Management in the field of entrepreneurship (5B050700 - Management), 6B04103 - Business Economics (5B050600 - Economics), 6B04104 - Economics of a financial organization (5B050600 - Economics), 6B04105 - Accounting and Auditing in entrepreneurship (5B050800 - Accounting and Auditing) are evaluated on the basis of academic performance, achievements according to the educational and research work of students and employer reviews.

The management of the EP ensures the use of various forms and methods of teaching and learning according to the internal document of the QMS P 4-26-2021 "Regulations on planning and conducting open classes", which is confirmed by the conduct of open lessons and master classes of teaching staff.

The department conducts various research in the field of innovations in teaching methods with discussion at republican scientific and methodological conferences and the development of research and development. For example, a study was previously conducted on the initiative topic: "Assessment of the impact of distance learning technologies on the level of training of students in the direction: 6B041 "Business and Management". It should be noted that the presented topics of 19 reports at the Republican Scientific and Methodological Conference represent a wide range and do not fully reflect the student-centered approach regarding teaching and learning methods. In this regard, it is recommended to strengthen the development of their own innovations, methods and methods of training in accredited EP, as well as training in the form of advanced training of teaching staff from professional trainers specializing in this field.

The feedback system for evaluating the quality and learning outcomes is supported by monitoring at various levels (student assets, teaching staff, university administration). The management of accredited educational institutions ensures the availability of a feedback system on the use of teaching quality and evaluation of learning outcomes through conducting and analyzing sociological surveys of students. However, in the questionnaires for students themselves there is no information on the assessment of the use of various teaching methods.

When performing independent work, research work by students, writing term papers and theses, the process of autonomy of students is ensured, access to the library fund, educational, scientific resources and self-education technologies is provided. In the 2022-2023 academic year, 700 university students, including those studying in the educational programs of EB, EFO, MFE, AAE, took courses in various fields of knowledge on the Coursera platform, passing tests and exams.

There are long-term agreements with manufacturing enterprises and organizations on cooperation, including on the coordination of curricula and programs of industrial practice. Reviews of specialists and managers of organizations – the practice bases, their reporting materials are one of the indicators of the level of competence of students.

The university's management has regulated the procedure for responding to students' complaints in accordance with the "Regulations on Dealing with Students' Complaints". Responding to students' complaints is implemented through the procedures of prompt consideration at the curatorial hour of the group, at a meeting of the department, faculty, as well as on the university's website there are pages of the rector, dean, head of the department, where students can send their complaints and suggestions.

The management of the EP ensures consistency, transparency and objectivity of the mechanism for evaluating learning outcomes based on a point-rating system and is regulated by the academic policy of the university and the QMS P 4-34-2021 "Organization of current and boundary control, intermediate certification and assessment of students' knowledge", which provides for an appeal.

The mechanisms for ensuring the development of learning outcomes by each graduate of the OP and the completeness of their formation are confirmed by the statistical data of the

graduation of students following the results of the SAC, who successfully mastered the full course of 240 credits for the entire period of study (Table 5.3).

The teaching staff of the department are fully proficient in modern methods of evaluating learning outcomes and regularly improve their qualifications in this field, confirmed by certificates of completion of the courses "Computer technologies in education" and "Digital competence of a teacher. Effective online lesson", as well as at corporate trainings "Professional activity of a higher school teacher in modern education" with consideration of such topics as "Methodological and technical requirements for creating online courses", "Work in the Moodle system", "Use of online resources when conducting classes in modern conditions".

The level of competence of teachers is confirmed by the effectiveness and quality of teaching, assessed by conducting open training sessions, mutual visits to classes, conducting a questionnaire "Teacher through the eyes of a student" on the quality and effectiveness of the organization of the educational process, determining the level of professional standards and ethics of the teacher.

Analytical part

Analyzing the standard "Student-centered learning, teaching and assessment of academic performance" for accredited students, the commission came to the conclusion that, within the framework of accredited specialties, sufficient attention is paid to the formation of an individual educational program of students, including for persons with special needs. The access provided by the university management to the university's resource base allows achieving learning outcomes.

In the learning process, innovative approaches are used to form the professional competencies of students. Along with this, the opportunity to acquire additional competencies is provided to the Minor-program. The management of the EP demonstrates support for the autonomy of students with simultaneous guidance and assistance from the teacher, which is the strength of accredited EP.

The management of the EP carries out systematic work to improve the quality of education, monitors various teaching methods of teaching teaching staff. At the same time, it is necessary to strengthen the development of their own innovations, methods and methods of teaching. The use of various modern teaching methods and evaluation of learning outcomes that ensure the achievement of the goals of the EP should be built taking into account the achievements of world science and practice. Within the framework of accredited EP, it is advisable to strengthen the research component in relevant areas of the profile specialty through scientific projects.

The relevance and relevance of key skills and competencies of students is monitored through a survey of employers, which allows timely adjustments to the Development Plan of the EP. The management of the EP demonstrated the current system of timely response to students' complaints, constant monitoring of the results of the survey to identify the degree of satisfaction of students with the quality of educational services provided.

Strengths/Best practice for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a Financial organization, 6B04106 - Accounting and Auditing in Entrepreneurship:

- Stimulating the independence and autonomy of students, contributing to the disclosure of the internal motivational potential of the student's personality. Confirmation of this is the successful completion of courses on the Coursera platform with the receipt of certificates.

EEC recommendations for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a financial organization, 6B04106 – Accounting and auditing in entrepreneurship:

- In the development plan of the Educational Institution for the 2023-2024 academic year,

include measures for the development and implementation of the teaching staff's own research in the field of teaching methods of academic disciplines in the educational process. In order to improve the quality of teaching, annually monitor the applied methods of teaching specialized disciplines. Proposals for the introduction of new teaching methods should be reflected in the minutes of the department's meetings, as well as regularly ensure the dissemination of information about the results of their own research on the university's web resource.

- Starting from the 2023-2024 academic year, the management of the EP in the development plans of the EP to include measures to improve the qualifications of teaching staff in the field of using modern methods of assessing the achievements of students, and to begin their implementation.

Conclusions of the EEC by criteria:

According to the standard "Student-centered learning, teaching and assessment of academic performance", 10 criteria are disclosed, of which strong -1, satisfactory - 7, suggest improvements -2.

6.6. Standard "Students"

- ✓ *The university must demonstrate the policy of forming a contingent of students and ensure transparency, publication of procedures regulating the life cycle of students (from admission to completion).*
- ✓ *The management of the EP should provide for special adaptation and support programs for newly enrolled and foreign students.*
- ✓ *The university must demonstrate compliance of its actions with the Lisbon Recognition Convention, including the existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education.*
- ✓ *The university should provide an opportunity for external and internal academic mobility of students, as well as assist them in obtaining external grants for training.*
- ✓ *The university should encourage students to self-education and development outside the main program (extracurricular activities).*
- ✓ *An important factor is the availability of a support mechanism for gifted students.*
- ✓ *The university should demonstrate cooperation with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility/National Academic Recognition Information Centers" ENIC/NARIC in order to ensure comparable recognition of qualifications.*
- ✓ *The university should provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, maintaining communication with them.*
- ✓ *The university must demonstrate the procedure for issuing graduates with documents confirming their qualifications, including the achieved learning outcomes.*
- ✓ *The management of the OP should demonstrate that graduates of the program have skills that are in demand in the labor market and that these skills are really relevant.*
- ✓ *The management of the OP should demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates.*
- ✓ *An important factor is the presence of an active alumni association/association.*

Evidentiary part

The policy of forming a contingent of students in the EP 6b04101 - Management in the field of entrepreneurship (5B050700-Management), 6B04103-Business Economics (5B050600-economics), 6B04104-Economics of a financial organization (5B050600-Economics), 6B04105-Accounting and auditing in entrepreneurship (5B050800 - Accounting and auditing) consists in the selection of those prepared for training in university of persons who consciously chose a specialty and scored the required number of points according to the results of the Unified State Exam.

The University determines the procedure for the formation of a contingent of students by withdrawing from the social order and realizing the needs for economic education, placing a state educational order for the training of specialists, paying for training at its own expense and other sources.

The policy of forming a contingent of students in the context of the EP is regulated by the internal documents of the Academic Policy of the KarIU, QMS StO II.8-02.02-2021 "Management of the learning process", QMS StO II.8-02. 03-2021 "management of the educational process", QMS P 4 – 53 – 2022 regulation on the internal quality assurance system NJSC "Karaganda Industrial University".

The issues of the formation of the contingent and the results of admission are considered at the meetings of the department, the rector's Office and the Academic Council, the formed Contingent of students according to the forms of training is approved by the chairman of the board - the rector.

Admission to bachelor's degree programs is carried out in accordance with the Standard Rules for Admission to higher Education organizations that implement educational programs of higher education based on the results of the Unified State Exam.

Informing applicants about the requirements for the educational program and the specifics of its implementation is provided through career guidance and posting information on the university's website and on social networks.

The contingent of students enrolled in the accreditation of the EP for the period 2020 - 2022 shows a positive trend in the increase in student enrollment (Table 6.1).

Under the leadership of the university, the practice of recognizing qualifications of higher and postgraduate education, periods of study and previous studies is supported, including the recognition of informal and informal education, which are based on ensuring actions in accordance with the Lisbon Convention on the Recognition of Qualifications.

An adaptation and support program for incoming and foreign students from Russia and Uzbekistan is being conducted under the guidance of accredited EP. To do this, a student's Reference Guide is being developed, a freshman week is being held, where they get acquainted with the university's policy and explanations on the EP are given.

For the development of both external (international) and internal (National) academic mobility, regulated by the QMS p 4-24-2021 "regulations on academic mobility", the university management concluded memorandums of cooperation with leading universities of Kazakhstan, near and far abroad. Privately, the Technical University of Ostrava, Freiberg Mining Academy, Institute of Information Technology, India, Lublin Technical University, Kremenchug National University named after M. Ostrogradsky, NJSC "Karaganda Technical University named after Abylkas Saginov", etc.

At the same time, there is no data on the results of students' education within the framework of both external (international) and internal (National) academic mobility according to accredited EP. It is necessary to ensure the implementation of joint options within the framework of external and internal academic mobility of students, to assist them in obtaining external grants for training.

The management of the EP is provided with places of practice for students, assists in the employment of graduates and maintains contacts with them. This is confirmed by agreements and memoranda with practice bases - with city-forming enterprises, representatives of large and medium-sized businesses in the region, posted on the university's website (<https://ttu.edu.kz>).

The management of the university demonstrates the support of gifted youth for academic achievements and active participation in the social life of the university by providing educational grants and/or study benefits in accordance with the QMS P 3-01-2021 Regulations on the University's educational Grant, University scholarships and benefits for studying at the Karaganda Industrial University <https://ttu.edu.kz/abuniv/qms/polozheniyaprovisions-erezheler/>.

Upon graduation, graduates of the EP receive a diploma of the established sample with a transcript attached to it (in three languages) indicating the amount of subjects mastered in credits. Since 2019, a European Diploma Supplement has been attached to the transcript.

The management of the EP maintains ties with the University Alumni Association, which has been functioning for more than 20 years, conducts joint events, participates in social surveys

and the development of the EP, forms a model of graduate competencies.

In the course of interviewing graduates, an insufficiently practice-oriented approach to training was revealed to form the necessary skills and competencies. This is also evidenced by the reviews and results of the survey of employers.

Analytical part

The university has an educational, methodological and material-technical base for increasing the number of students enrolled in accredited educational programs, including socio-economic and infrastructural support. There is a positive trend of increasing the number of students and the conditions created to achieve the goals and learning outcomes in accordance with the university's Strategies and approved EP.

The experts of the EEC note that the internal academic mobility of students under accredited EP is at the level of implementation, which is confirmed by signed agreements and memoranda, and requires further development. In this regard, it seems appropriate to include indicative indicators in the plans for the development of joint educational programs within the framework of academic mobility.

The management of the EP should also monitor the key skills in demand in the labor market (in accordance with the sectors of the economy) based on a survey of employers in the region / industry or take as a basis the recommendations of the WEF / MLSPP RK, carry out training according to the demands of the labor market. To do this, the management of the EP needs to provide an additional program (Minor) for the development of soft skills, as well as conduct trainings / master classes with the invitation of speakers - practitioners.

Strengths/Best practice for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a Financial organization, 6B04106 - Accounting and Auditing in Entrepreneurship:

- according to this Standard, EP has no strengths.

EEC recommendations for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a financial organization, 6B04106 – Accounting and auditing in entrepreneurship:

- In accordance with the University Development Program, the management of accredited educational institutions should include indicative indicators in the development plans of joint educational programs. The department's work plan for the 2023-2024 academic year should include the implementation of an item on external and internal academic mobility of students, as well as assist them in obtaining external grants for training.

- To develop regulations on informing students about the possibility of participating in joint educational programs within the framework of concluded agreements with partner universities by 01.01.2024.

- By the beginning of the 2024 calendar year, consider the inclusion of additional educational trajectories in the EP in accordance with the CFA, ACCA programs for economic EP.

- By the beginning of the 2024 calendar year, the management of the EP is recommended to compile the TOP 10 key skills in demand on the labor market in accordance with the sectors of the economy based on a survey of employers in the region / industry (or take as a basis the recommendations of the WEF / MLSPP RK and introduce soft skills development courses into the additional program (Minor)), conduct trainings / master-classes with the invitation of speakers – practitioners.

Conclusions of the EEC by criteria:

According to the "Students" standard, 12 criteria are disclosed, of which 0 are strong, 10 are satisfactory, and 2 suggest improvements.

6.7. Standard "Teaching staff"

- ✓ *The university should have an objective and transparent personnel policy in the context of the EP, including hiring (including invited teaching staff), professional growth and staff development, ensuring the professional competence of the entire staff.*
- ✓ *The university must demonstrate the compliance of the qualitative composition of the teaching staff with the established qualification requirements, the strategy of the university, the goals of the EP.*
- ✓ *The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning and teaching.*
- ✓ *The university should provide opportunities for career growth and professional development of teaching staff, including young teachers.*
- ✓ *The university should involve in teaching specialists of relevant industries with professional competencies that meet the requirements of the EP.*
- ✓ *The university must demonstrate the existence of a mechanism for motivating the professional and personal development of teaching staff.*
- ✓ *The university should demonstrate the wide application of teaching staff of information and communication technologies and software in the educational process (for example, on-line training, e-portfolio, MOOS, etc.).*
- ✓ *The university should demonstrate the focus of its activities on the development of academic mobility, attracting the best foreign and domestic teachers.*
- ✓ *The university must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity at the university, determine the contribution of teaching staff, including invited ones, to achieving the goals of the EP.*
- ✓ *An important factor is the involvement of teaching staff in the development of the economy, education, science and culture of the region and the country*

Evidentiary part

Effective personnel management and the mobilization of teaching staff for long-term development are reflected in the University's Development Strategy, the Regulation on the qualification characteristics of the positions of scientific and pedagogical staff of KarIU, QMS II.4-20-2022.

The main indicators of the success of the implementation of personnel policy are the improvement of the quality level of teaching staff. The qualifications of the teachers of the department, their quantitative composition correspond to the areas of training of students, meet licensing requirements and indicate the staffing of educational activities (see Table 7.1). 16 people work at the department, of which 2 doctors of sciences, 1 PhD, 6 candidates of sciences (56% of the degree), 7 masters (44%), average the age of the teaching staff is 48 years. Teachers who teach classes in the state language - 50% of the total number of teaching staff.

Table 7.1 – Quantitative and qualitative composition of teaching staff of departments that produce accredited EP

№	Name	2019-2020	2020-2021	2021-2022
1	Number of full-time teaching staff with academic degrees and titles, people/ % ratio	6/55%	7/47%	10/56%
2	The number of teaching staff teaching classes in the Kazakh language, people / % ratio	5/45%	5/33%	6/33%
3	The number of full-time teaching staff without basic education, people/ % ratio	1/9%	1/6%	1/6%
4	Average age of teaching staff with academic degree and title, years	54	52	56
5	The number of teaching staff who have passed advanced training, people.	15	21	21

The management of the university maintains a system of diagnostics and motivation of the quality of teaching, educational, methodological and scientific achievements and is evaluated

according to the system of rating evaluation of the activities of departments and teaching staff. This procedure is regulated by the "Regulations on the rating assessment of the activities of teaching staff and employees of the NJSC "Karaganda Industrial University" and the competitions "Best Department", "Best Faculty", "Best division". The university management applies the practice of financial motivation (awards), social support (sports infrastructure, office housing, an active trade union) and incentives through a system of awards - corporate awards and university insignia, as well as state and departmental awards. Improving the working conditions of teaching staff and employees to strengthen their motivation to improve the quality of training and research activities are reflected in the "KariU Development Plan 2021-2025", approved by the Board of Directors of KariU on May 19, 2021, include research work, publications, internships, seminars, a system of professional development. The mechanisms for stimulating the professional and personal development of teaching staff are reflected in the contract and in the Regulations on Remuneration of employees.

To improve the quality of teaching, to ensure the relationship with production, specialists from the production are invited as practical teachers, 3 full-time employees have practical experience. At the same time, there is an insufficiently high level of involvement of practitioners – employers, which was confirmed during interviews with students and graduates of the EP.

Academic mobility of teaching staff is mainly provided through exchange programs Erasmus +, KA1 and memoranda with universities of Kazakhstan. In July 2022, senior lecturer Latypova M.A., completed an online international internship in the Czech Republic.

As part of the implementation of academic mobility programs for accredited educational institutions, the involvement of foreign teachers was not noted.

Analytical part

Analyzing the standard "Teaching staff" for accredited teaching staff, the commission came to the conclusion that the university has an objective and transparent personnel policy, including hiring, professional growth and staff development, ensuring the professional competence of the entire staff of teaching staff. The management of the EP demonstrated the compliance of the personnel potential of the teaching staff with the development strategy of the university, qualification requirements, the level and specifics of the educational program and recruitment based on the recruiting system.

The department provides opportunities for career growth and professional development of teaching staff according to accredited EP. At the department, the formation of scientific and pedagogical personnel is carried out by attracting PhD doctors in economic specialties.

At the same time, experts note the need to develop a policy of attracting specialists from relevant industries with professional competencies that meet the requirements of the EP to teaching.

In order to position the EP to attract foreign teachers more widely, using a hybrid format (online and offline) of training.

The university has developed a system of incentives based on performance indicators, however, experts note the lack of indicators aimed at stimulating the introduction of innovative teaching and evaluation methods.

Strengths/Best practice for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a Financial organization, 6B04106 - Accounting and Auditing in Entrepreneurship:

- according to this Standard, EP has no strengths.

EEC recommendations for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a financial organization, 6B04106 – Accounting and auditing in entrepreneurship:

- By the beginning of the 2024 calendar year, to include in the system of rating indicators

of teaching staff points for achieving the results of the introduction of innovative teaching methods, including for the development and application of mass open online courses, the results obtained in research (publication of articles in rating journals, development and participation in various grant and international programs, participation in the program "academic mobility of teaching staff" and so on.).

- From 01.09.2023, the management of the EP will include indicative indicators in the development plans of the EP: attracting the best foreign and domestic scientists within the academic mobility of teaching staff.

- During the 2023-2024 academic year, the management of the EP is recommended to recruit specialists from relevant industries – expert practitioners and employers. At the same time, to conclude contracts for dual education and conduct training in certain disciplines of EP (25%) on the basis of employers.

Conclusions of the EEC by criteria:

According to the "Teaching Staff" standard, 9 criteria are disclosed, of which 0 are strong, 8 are satisfactory, and 2 suggest improvements.

6.8. Standard "Educational resources and student support systems"

- ✓ *The university must ensure that the infrastructure, educational resources, including material and technical, meet the objectives of the educational program.*
- ✓ *The management of the EP must demonstrate the sufficiency of classrooms, laboratories and other facilities equipped with modern equipment that ensures the achievement of the goals of the EP.*
- ✓ *The university must demonstrate the compliance of information resources with the needs of the university and implemented educational programs, including in the following areas: technological support for students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs); library resources, including the fund of educational, methodological and scientific literature in general education, basic and profile disciplines on paper and electronic media, periodicals, access to scientific databases; examination of research results, graduation papers, dissertations for plagiarism; access to educational Internet resources; functioning of WI-FI on its territory.*
- ✓ *The university must demonstrate that it creates conditions for conducting scientific research, integrating science and education, publishing the results of the research work of teaching staff, staff and students.*
- ✓ *The university should strive to ensure that the educational equipment and software used for the development of educational programs are similar to those used in the relevant sectors of the economy.*
- ✓ *The management of the EP should demonstrate the availability of support procedures for various groups of students, including information and counseling.*
- ✓ *The management of the EP should show the availability of conditions for the advancement of the student along an individual educational trajectory.*
- ✓ *The university should take into account the needs of various groups of students (adults, working, foreign students, as well as students with special educational needs).*
- ✓ *The university must ensure that the infrastructure meets the security requirements*

Evidentiary part

To meet the needs of the educational program cluster in material resources, the university has an educational, material and technical base and social infrastructure equipped with modern information and communication tools. The design capacity of the KarIU is 4,500 students.

The university buildings and dormitories for students and teaching staff comply with the Sanitary and epidemiological requirements for educational facilities approved by the Order of the Minister of Health of the Republic of Kazakhstan dated August 5, 2021 No. KR DSM-76 On approval of Sanitary Rules "Sanitary and epidemiological requirements for educational facilities" (as amended on 02/04/2023).

The University has 6 educational and laboratory buildings with a total area of 44.01 thousand sq.m., where classrooms, specialized classrooms and laboratories, the university museum are located. The fleet of modern computing equipment is more than 400 units. The university's sports complex, with a total area of 2,300 sq. m., includes 6 game halls and 2

outdoor playgrounds.

The implementation of EP 6B04103 "Business Economics", EP 6B6B04101 "Management in the field of entrepreneurship", EP 6B04104 "Economics of a financial organization", 6B04106 "Accounting and auditing in entrepreneurship" is provided by the resources of the university in accordance with the Standard Rules of activity of organizations of higher and (or) postgraduate education (order of the Minister of Education and Science of the Republic of Kazakhstan dated October 30 2018, No. 595).

The total area of the department's premises is 880.4 sq.m. These premises include: teaching rooms, classrooms, computer classes equipped with a software product.

The classroom fund of the departments fully meets the design capacity of the cluster of accredited educational institutions, the classrooms are certified and provided with fire extinguishing means. The department has a material and technical base (classroom fund, computer classes, computer programs, stock materials) that meets the current sanitary and technical standards and ensures all types of theoretical and practical training provided for in the curriculum, as well as the effective implementation of research work of students.

Accredited EP are provided with access to international information resources - Thomson Reuters (USA), Scopus, which expands the range of use of electronic research resources.

The fund of basic educational and scientific literature at the university is updated annually. Questions about the provision of educational, scientific and educational literature for each EP, including in the state language, are considered on the agenda of the department and at the meeting of the Academic Council at the beginning of the academic year. Within the framework of accredited EP, replenishment is required, including through the publication of scientific and methodological works of the teaching staff of the department.

The University has a modern library and a reading room, in the fund of which there are more than 290 thousand copies of educational, methodical, scientific literature in Kazakh, Russian and foreign languages, more than 30 titles of newspapers and magazines are issued annually. Updating and replenishment of the library fund at the university is covered by the purchase and publication of electronic textbooks, which are placed in the digital library and are freely available.

The level of use of information technologies in the organization of the educational process is confirmed by the current educational process management system AIS "Platonus", the Polish academic anti-plagiarism system "StrikePlagiarism". Internet access is provided by a fiber-optic line connected to the network of the Association of Users of the Scientific and Educational computer network of Kazakhstan "KazRENA".

The management of the university maintains compliance of information resources with the specifics of the EP. Since 2017, the university has been operating the Cisco Network Academy, a program in the field of modern network technologies, the certificate of which is valid in any country of the world.

There is a Service Center for students, created for the timely and high-quality provision of services to students on the principle of "one window".

The university management has created conditions for the development of inclusive education, developed a regulation on the organization of inclusive education for people with disabilities.

Analytical part

As a result of visual inspection of the objects of the material base of the university, the members of the EEC noted that in order to ensure the educational process of accredited educational programs, the university has all the necessary educational and material assets.

The university building complies with the current sanitary standards and fire safety requirements. Classroom and laboratory facilities, classrooms and other premises, sports facilities comply with established norms and rules.

The members of the EEC note that the management of the EP is constantly analyzing and

monitoring the degree of satisfaction with the material and technical base and resource availability, as a result of which corrective actions are taken.

The procedure for supporting students with disabilities is regulated by the regulation of the QMS P 4-50-2021 "Regulations on the organization of inclusive education of persons with disabilities in the NJSC "Karaganda Industrial University". At the same time, the EEC experts note that the university management needs to analyze the possibilities of participation in educational and other processes of potential groups of people with disabilities and for the detected categories of people to continue working on the organization of barrier-free access to all resources and processes.

Strengths/Best practice for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a Financial organization, 6B04106 – Accounting and Auditing in Entrepreneurship:

- according to this Standard, EP has no strengths.

EEC recommendations for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a financial organization, 6B04106 – Accounting and auditing in entrepreneurship:

- The management of the university by the beginning of the 2023-2024 academic year, taking into account the Development Strategy of the university, to develop a roadmap for further improvement of the infrastructure of the university, taking into account the special needs of students (barrier-free environment, tactile markings and signs, the development of specialized literature, the passage of special courses for teaching staff, etc.) and begin its implementation.

Conclusions of the EEC by criteria:

According to the standard "Educational resources and Student Support systems", 13 criteria have been disclosed, of which 0 are strong, 12 are satisfactory, and 1 suggest improvements.

6.9. Standard "Informing the public"

- ✓ *The university guarantees that the published information is accurate, objective, up-to-date and reflects all the activities of the university within the framework of the educational program.*
- ✓ *Public awareness should include support and explanation of the national development programs of the country and the system of higher and postgraduate education.*
- ✓ *The management of the university should use a variety of ways to disseminate information (including mass media, web resources, information networks, etc.) to inform the general public and interested persons.*
- ✓ *Information about the educational program is objective, relevant and should include: the purpose and planned results of the EP, the qualification assigned;*
- ✓ *Information and evaluation system of educational achievements of students;*
- ✓ *Information about academic mobility programs and other forms of cooperation with university partners, employers;*
- ✓ *Information about the opportunities for the development of personal and professional competencies of students and employment;*
- ✓ *Data reflecting the positioning of the EP in the market of educational services (at the regional, national, international levels).*
- ✓ *An important factor is the publication on open resources of reliable information about the teaching staff, in the context of personalities.*
- ✓ *The university must publish on its own web resource the audited financial statements on the EP. The university should post information and links to external resources based on the results of external evaluation procedures.*
- ✓ *An important factor is the placement of information about cooperation and interaction with partners, including scientific/consulting organizations, business partners, social partners and educational organizations.*

Evidentiary part

The work on informing the public about the activities of the educational organization, the conditions and features of the implementation of the EP is regulated by the internal document of the QMS P-4-27-2022 "Regulations on informing the public".

The university has a website <https://tttu.edu.kz>, social networks and mobile applications are used. The principles and structure of information materials posted on the official information website of the University are determined by the internal document of the QMS StO II.7-04.02-2021 "Internal information", "Regulations on the official website of the KarIU".

Students and teaching staff are provided with access to a wireless Wi-Fi network.

The KarIU website publishes information about teaching staff, about realization EP, online surveys to determine the level of satisfaction of students in providing them with support, learning outcomes, creating conditions for personal development, as well as conditions for admission of applicants. The website also contains the audited financial statements of the university. The university management uses all modern communication channels - newspapers, magazines, radio, television and social networks.

The university has a "Student Service Center", which assists students in obtaining public services, services on various issues of educational activities, accommodation in a dormitory, registration of military registration, provision of benefits for tuition fees, academic mobility, consulting on various issues. Also on the university's website, students have the opportunity to familiarize themselves with various Provisions regulating educational activities.

Analytical part

During the visit, the information about the creation of a unified information field of the university and the provision of students with reliable, operational and up-to-date information about the activities of the university, about events and events, about topical issues and problems of students' lives was confirmed.

The EEC experts note that the university's website does not sufficiently reflect the information in the context of accredited EP. There are no separate EP in the "Entrant" tab.

The management of the EP should determine the requirements for the publication on the website of reliable, objective, up-to-date information about teaching approaches, training, as well as systems (procedures, methods and forms) of assessment within each EP.

Strengths/Best practice for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a Financial organization, 6B04106 – Accounting and Auditing in Entrepreneurship:

- according to this Standard, EP has no strengths.

EEC recommendations for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a financial organization, 6B04106 – Accounting and auditing in entrepreneurship:

- Starting from the 2023-2024 academic year, the management of the EP is recommended to analyze data on the coverage and degree of satisfaction of interested persons (individual segments) with information on accredited EP.

- By the beginning of the 2024 calendar year, the management of the university is recommended to develop and approve a communication strategy of the university /heads of the EP to inform the public, taking into account the specifics of target groups of consumers on various communication channels.

Conclusions of the EEC by criteria:

According to the "Informing the Public" standard, 12 criteria have been disclosed, of which 0 are strong, 12 are satisfactory, 0 suggest improvements.

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

Strengths/Best practice for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a Financial organization, 6B04106 - Accounting and Auditing in Entrepreneurship:

Standard "Educational Program Management"

- according to this Standard, EP has no strengths.

Standard "Information Management and Reporting"

- according to this Standard, EP has no strengths.

Standard "Development and approval of the educational program"

- according to this Standard, EP has no strengths.

Standard "Continuous monitoring and periodic evaluation of educational programs"

- according to this Standard, EP has no strengths.

Standard "Student-centered learning, teaching and assessment of academic performance"

- Stimulating the independence and autonomy of students, contributing to the disclosure of the internal motivational potential of the student's personality. Confirmation of this is the successful completion of courses on the Coursera platform with the receipt of certificates.

Standard "Students"

- according to this Standard, EP has no strengths.

Standard "Teaching staff"

- according to this Standard, EP has no strengths.

Standard "Educational resources and student support systems"

- according to this Standard, EP has no strengths.

Standard "Informing the public"

- according to this Standard, EP has no strengths.

(VIII) REVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS FOR EACH STANDARD

EEC recommendations for EP 6B04101 – Management in the field of entrepreneurship, 6B04103 – Business Economics, 6B04104 – Economics of a financial organization, 6B04106 – Accounting and auditing in entrepreneurship:

Standard "Educational Program Management"

- Before the beginning of the 2024 calendar year, the management of the EP will revise the development plan of the EP with the allocation of their uniqueness, determine a niche in the educational market, taking into account the specifics of the region and training personnel for enterprises with the possible introduction of appropriate disciplines and updating the content taking into account related EP.

Standard "Information Management and Reporting"

- By the beginning of the 2023-2024 academic year, it is recommended to align all sections of the website in order to provide complete and up-to-date information about the educational programs offered.

Standard "Development and approval of the educational program"

- By the beginning of the calendar year 2024, the management of the EP is recommended to develop a marketing strategy for positioning the EP cluster in the educational market, providing a competitive advantage and uniqueness of programs;

- By the end of the academic year 2023-2024, to develop a system of professional certification in order to increase the coverage of students and graduates in the register of certified specialists to 30-50%.

Standard "Continuous monitoring and periodic evaluation of educational programs"

- In time before the beginning of the 2023/24 academic year, to develop regulations for prompt and regular notification of changes made to the EP and publish them taking into account target groups of consumers.

Standard "Student-centered learning, teaching and assessment of academic performance"

- In the development plan of the Educational Institution for the 2023-2024 academic year, include measures for the development and implementation of the teaching staff's own research in the field of teaching methods of academic disciplines in the educational process. In order to improve the quality of teaching, annually monitor the applied methods of teaching specialized disciplines. Proposals for the introduction of new teaching methods should be reflected in the minutes of the department's meetings, as well as regularly ensure the dissemination of information about the results of their own research on the university's web resource.

- Starting from the 2023-2024 academic year, the management of the EP in the development plans of the EP to include measures to improve the qualifications of teaching staff in the field of applying modern methods of assessing the achievements of students, and to begin their implementation.

Standard "Students"

- In accordance with the University Development Program, the management of accredited educational institutions should include indicative indicators in the development plans of joint educational programs. The department's work plan for the 2023-2024 academic year should include the implementation of an item on external and internal academic mobility of students, as well as assist them in obtaining external grants for training.

- To develop regulations on informing students about the possibility of participating in joint educational programs within the framework of concluded agreements with partner universities by 01.01.2024.

- By the beginning of the 2024 calendar year, consider the inclusion of additional educational trajectories in the EP in accordance with the CFA, ACCA programs for economic EP.

- By the beginning of the 2024 calendar year, the management of the EP is recommended to compile the TOP 10 key skills in demand on the labor market in accordance with the sectors of the economy based on a survey of employers in the region / industry (or take as a basis the recommendations of the WEF / MLSP RK and introduce soft skills development courses into the additional program (Minor)), conduct trainings / master-classes with the invitation of speakers – practitioners.

Standard "Teaching staff"

- By the beginning of the 2024 calendar year, to include in the system of rating indicators of teaching staff points for achieving the results of the introduction of innovative teaching methods, including for the development and application of mass open online courses, the results obtained in research (publication of articles in rating journals, development and participation in various grant and international programs, participation in the program "academic mobility of teaching staff" and so on.).

- From 01.09.2023, the management of the EP will include indicative indicators in the development plans of the EP: attracting the best foreign and domestic scientists within the academic mobility of teaching staff.

- During the 2023-2024 academic year, the management of the EP is recommended to recruit specialists from relevant industries – expert practitioners and employers. At the same time, to conclude contracts for dual education and conduct training in certain disciplines of EP (25%) on the basis of employers.

Standard "Educational resources and student support systems"

- The management of the university by the beginning of the 2023-2024 academic year, taking into account the Development Strategy of the university, to develop a roadmap for further improvement of the infrastructure of the university, taking into account the special needs of students (barrier-free environment, tactile markings and signs, the development of specialized literature, the passage of special courses for teaching staff, etc.) and begin its implementation.

Standard "Informing the public"

- Starting from the 2023-2024 academic year, the management of the EP is recommended to analyze data on the coverage and degree of satisfaction of interested persons (individual segments) with information on accredited EP.

- By the beginning of the 2024 calendar year, the management of the university is recommended to develop and approve a communication strategy of the university /heads of the EP to inform the public, taking into account the specifics of target groups of consumers on various communication channels.

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

During the visit, the members of the external expert commission did not form recommendations for the development of the organization of education that go beyond compliance with the standards of the IAAR.



(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL

The members of the EEC came to the unanimous opinion that EP 6B04101 - Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a financial organization and 6B04106 - Accounting and auditing in entrepreneurship is recommended for accreditation for a period of 5 years.



Appendix 1. EVALUATION TABLE "PARAMETERS OF A SPECIALIZED PROFILE"

for EP 6B04101 - Management in the field of entrepreneurship, 6B04103 - Business Economics, 6B04104 - Economics of a financial organization, 6B04106 - Accounting and auditing in entrepreneurship

№	№	Evaluation criteria	The position of the organization of education			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard "Educational Program Management"						
1	1.	The university should demonstrate the development of a goal and strategy for the development of the EP based on the analysis of external and internal factors with the broad involvement of a variety of stakeholders		+		
2	2.	The quality assurance policy should reflect the relationship between research, teaching and learning		+		
3	3.	The university demonstrates the development of a culture of quality assurance		+		
4	4.	Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility		+		
5	5.	The management of the EP ensures transparency in the development of the EP development plan based on an analysis of its functioning, the real positioning of the university and the orientation of its activities to meet the needs of the state, employers, stakeholders and students		+		
6	6.	The management of the EP demonstrates the functioning 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		+		
7	7.	The management of the EP should involve representatives of groups of interested persons, including employers, students and teaching staff in the formation of the development plan of the EP		+		
8	8.	The management of the EP should demonstrate the individuality and uniqueness of the development plan of the EP, its consistency with national development priorities and the development strategy of the educational organization			+	
9	9.	The university must demonstrate a clear definition of those responsible for business processes within the framework of		+		

		the EP, the distribution of staff duties, the differentiation of functions of collegial bodies				
10	10.	The management of the EP ensures coordination of the activities of all persons involved in the development and management of the EP, and its continuous implementation, as well as involves all stakeholders in this process		+		
11	11.	The management of the EP should ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions		+		
12	12.	The management of the EP should carry out risk management		+		
13	13.	The management of the EP should ensure the participation of representatives of interested persons (employers, teaching staff, students) in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program		+		
14	14.	The university must demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals		+		
15	15.	The management of the EP should demonstrate its openness and accessibility to teaching staff, employers and other interested persons		+		
16	16.	The management of the EP confirms the completion of training in educational management programs		+		
17	17.	The management of the EP should strive to ensure that the progress made since the last external quality assurance procedure is taken into account when preparing for the next procedure		+		
Total according to the standard				16	1	
Standard "Information Management and Reporting"						
18	1.	The university should ensure the functioning of the information collection, analysis and management system based on modern information and communication technologies and software		+		
19	2.	The EP management demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system		+		
20	3.	The management of the EP demonstrates the existence of a reporting system reflecting the activities of all structural divisions and departments within the EP, including an assessment of their effectiveness		+		
21	4.	The university should determine the frequency, forms and methods of evaluation of the management of the EP, the activities of collegial bodies and structural units, senior management		+		
22	5.	The university must demonstrate a mechanism for ensuring the protection of information, including the identification of responsible persons for the accuracy and timeliness of		+		

		information analysis and data provision				
23	6.	The university demonstrates the involvement of students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them		+		
24	7.	The management of the EP should demonstrate the availability of communication mechanisms with students, employees and other stakeholders, including conflict resolution		+		
25	8.	The university must ensure the measurement of the degree of satisfaction of the needs of teaching staff, staff and students within the framework of the EP and demonstrate evidence of the elimination of the detected shortcomings		+		
26	9.	The university should evaluate the effectiveness and efficiency of its activities, including in the context of EP		+		
		The information collected and analyzed by the university within the framework of the EP should take into account:		+		
27	10.	key performance indicators		+		
28	11.	dynamics of the contingent of students in the context of forms and types		+		
29	12.	academic performance, student achievements and expulsion		+		
30	13.	satisfaction of students with the implementation of the EP and the quality of education at the university		+		
31	14.	availability of educational resources and support systems for students		+		
32	15.	employment and career growth of graduates		+		
33	16.	Students, employees and teaching staff must document their consent to the processing of personal data		+		
34	17.	The management of the EP should help to provide all the necessary information in the relevant fields of science		+		
Total according to the standard				17	0	
Standard "Development and approval of the educational program"						
35	1.	The university must demonstrate the existence of a documented procedure for the development of the EP and its approval at the institutional level		+		
36	2.	The university must demonstrate compliance of the developed EP with the established goals and planned learning outcomes		+		
37	3.	The management of the EP should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
38	4.	The university can demonstrate the existence of a graduate model of the EP, describing the learning outcomes and personal qualities		+		
39	5.	The qualification assigned upon completion of the EP must be clearly defined, explained and correspond to a certain level of the NSC, QF-EHEA		+		
40	6.	The management of the EP should demonstrate the modular structure of the program based on the European Credit		+		

		Transfer and Accumulation System (ECTS), ensure that the EP, its modules (in terms of content and structure) meet the set goals with a focus on achieving the planned learning result				
41	7.	The management of the EP should ensure that the content of academic disciplines and learning outcomes correspond to each other and the level of study (bachelor's, master's, doctoral)		+		
42	8.	The management of the EP must demonstrate the conduct of external examinations of the EP		+		
43	9.	The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality		+		
44	10.	The management of the EP should demonstrate the positioning of the EP in the educational market (regional/national / international), its uniqueness			+	
45	11.	An important factor is the possibility of preparing students for professional certification			+	
46	12.	An important factor is the presence of a double-degree EP and/or joint EP with foreign universities		+		
Total according to the standard				10	2	
Standard "Continuous monitoring and periodic evaluation of educational programs"						
47	1.	The university should ensure the revision of the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social request of society		+		
48	2.	The university must demonstrate the existence of a documented procedure for monitoring and periodic evaluation of the EP in order to achieve the goal of the EP. The results of these procedures are aimed at continuous improvement of the EP		+		
		Monitoring and periodic evaluation of the EP should consider:				
49	3.	the content of programs in the context of the latest achievements of science and technology in a particular discipline		+		
50	4.	changes in the needs of society and the professional environment		+		
51	5.	workload, academic performance and graduation of students		+		
52	6.	effectiveness of student assessment procedures		+		
53	7.	needs and degree of satisfaction of students		+		
54	8.	compliance of the educational environment and the activities of support services with the goals of the EP		+		
55	9.	All interested parties should be informed of any planned or undertaken actions regarding the EP. All changes made to the EP must be published			+	
56	10.	Support services should identify the needs of various groups of students and the degree of their satisfaction with the organization of training, teaching, evaluation, and mastering		+		

		of the EP as a whole				
Total according to the standard				9	1	
Standard "Student-centered learning, teaching and assessment of academic performance"						
57	1.	The management of the EP should ensure respect and attention to different groups of students and their needs, providing them with flexible learning paths		+		
58	2.	The management of the EP should ensure teaching on the basis of modern achievements of world science and practice in the field of training, the use of various modern teaching methods and evaluation of learning outcomes that ensure the achievement of the goals of the EP, including competencies, skills to perform scientific work at the required level		+		
59	3.	The management of the EP should determine the mechanisms for distributing the educational load of students between theory and practice within the framework of the EP, ensuring the development of the content and achievement of the goals of the EP by each graduate		+		
60	4.	An important factor is the availability of own research in the field of teaching methods of the disciplines of the EP			+	
61	5.	The university must ensure that the procedures for evaluating learning outcomes correspond to the planned results and goals of the EP		+		
62	6.	The university must ensure the consistency, transparency and objectivity of the mechanism for evaluating the results of the EP training. Criteria and methods for evaluating learning outcomes should be published in advance		+		
63	7.	Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area		+		
64	8.	The management of the EP should demonstrate the existence of a feedback system for the use of various teaching methods and evaluation of learning outcomes			+	
65	9.	The management of the EP should demonstrate support for the autonomy of students with simultaneous guidance and assistance from the teacher	+			
66	10.	The management of the EP must demonstrate the existence of a procedure for responding to complaints from students		+		
Total according to the standard			1	7	2	
Standard "Students"						
67	1.	The university must demonstrate the policy of forming a contingent of students and ensure transparency of its procedures. The procedures governing the life cycle of students (from admission to completion) must be defined, approved, published		+		
68	2.	The management of the EP should provide for special adaptation and support programs for newly enrolled and foreign students		+		
69	3.	The university must demonstrate compliance of its actions with the Lisbon Recognition Convention, including the existence and application of a mechanism for recognizing		+		

		the results of academic mobility of students, as well as the results of additional, formal and non-formal education				
70	4.	The university should provide an opportunity for external and internal academic mobility of students, as well as assist them in obtaining external grants for training			+	
71	5.	The university should actively encourage students to self-education and development outside the main program (extracurricular activities)		+		
72	6.	An important factor is the availability of a support mechanism for gifted students		+		
73	7.	The university should demonstrate cooperation with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility/National Academic Recognition Information Centers" ENIC/NARIC in order to ensure comparable recognition of qualifications		+		
74	8.	The university should provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, maintaining communication with them		+		
75	9.	The university must demonstrate the procedure for issuing graduates with documents confirming their qualifications, including the achieved learning outcomes.		+		
76	10.	The management of the EP should demonstrate that graduates of the program have skills that are in demand in the labor market and that these skills are really in demand in the labor market			+	
77	11.	The management of the EP should demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates		+		
78	12.	An important factor is the presence of an active alumni association/association		+		
Total according to the standard				10	2	
Standard "Teaching staff"						
79	1.	The university should have an objective and transparent personnel policy in the context of the EP, including hiring (including invited teaching staff), professional growth and staff development, ensuring the professional competence of the entire staff		+		
80	2.	The university must demonstrate the compliance of the qualitative composition of the teaching staff with the established qualification requirements, the university's strategy, and the goals of the EP		+		
81	3.	The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning and teaching		+		
82	4.	The university should provide opportunities for career growth and professional development of teaching staff, including young teachers		+		
83	5.	The university should involve in teaching specialists of relevant industries with professional competencies that meet the requirements of the EP			+	

84	6.	The university must demonstrate the existence of a mechanism for motivating the professional and personal development of teaching staff		+		
85	7.	The university should demonstrate the wide application of teaching staff of information and communication technologies and software in the educational process (for example, on-line training, e-portfolio, MOOS, etc.)		+		
86	8.	The university should demonstrate the focus of its activities on the development of academic mobility, attracting the best foreign and domestic teachers			+	
87	9.	The university must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity at the university, determine the contribution of teaching staff, including invited ones, to achieving the goals of the EP		+		
88	10.	An important factor is the involvement of teaching staff in the development of the economy, education, science and culture of the region and the country		+		
Total according to the standard				8	2	
Standard "Educational resources and student support systems"						
89	1.	The university must ensure that educational resources, including material and technical, and infrastructure meet the objectives of the educational program		+		
90	2.	The management of the EP must demonstrate the presence of classrooms, laboratories and other facilities equipped with modern equipment and ensuring the achievement of the goals of the EP		+		
		The university must demonstrate the compliance of information resources with the needs of the university and implemented EP, including in the following areas:				
91	3.	technological support for students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs)		+		
92	4.	library resources, including the fund of educational, methodological and scientific literature on general education, basic and profile disciplines on paper and electronic media, periodicals, access to scientific databases		+		
93	5.	examination of research results, graduation papers, dissertations on plagiarism		+		
94	6.	access to educational Internet resources		+		
95	7.	functioning of WI-FI on its territory		+		
96	8.	The university must demonstrate that it creates conditions for conducting scientific research, integrating science and education, publishing the results of research work of teaching staff, staff and students		+		
97	9.	The university should strive to ensure that the educational equipment and software used for the development of educational programs are similar to those used in the relevant sectors of the economy		+		
98	10.	The management of the EP should demonstrate the existence of support procedures for various groups of students,		+		

		including information and counseling				
99	11.	The management of the EP should show the availability of conditions for the advancement of the student along an individual educational trajectory		+		
100	12.	The university should take into account the needs of various groups of students (adults, working, foreign students, as well as students with special educational needs)			+	
101	13	The university must ensure that the infrastructure meets the security requirements		+		
Total according to the standard				12	1	
Standard "Informing the public"						
102	1.	The information published by the university must be accurate, objective, relevant and reflect all areas of the university's activities within the framework of the educational program		+		
103	2.	Public awareness should include support and explanation of the national development programs of the country and the system of higher and postgraduate education		+		
104	3.	The management of the university should use a variety of ways to disseminate information (including mass media, web resources, information networks, etc.) to inform the general public and interested persons		+		
		The information published by the university about the educational program should be objective and relevant and include:		+		
105	4.	the purpose and planned results of the EP, the assigned qualification		+		
106	5.	information and evaluation system of educational achievements of students		+		
107	6.	information about academic mobility programs and other forms of cooperation with partner universities, employers		+		
108	7.	information about the opportunities for the development of personal and professional competencies of students and employment		+		
109	8.	data reflecting the positioning of the EP in the market of educational services (at the regional, national, international levels)		+		
110	9.	An important factor is the publication on open resources of reliable information about the teaching staff, in the context of personalities		+		
111	10.	The university must publish on its own web resource the audited financial statements on the EP		+		
112	11.	The university should post information and links to external resources based on the results of external evaluation procedures		+		
113	12.	An important factor is the placement of information about cooperation and interaction with partners, including scientific/consulting organizations, business partners, social partners and educational organizations		+		
Total according to the standard				12	0	
TOTAL			1	101	11	



Appendix 2. THE PROGRAM OF THE VISIT TO THE EDUCATIONAL ORGANIZATION



KARAGANDA
INDUSTRIAL
UNIVERSITY

AGREED

**Chairman of the Management Board - Rector
NJSC "Karaganda
Industrial University"**

«__» _____ **Abdrasilov A.B.**
2023



АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІН
ТӘУЕЛСІЗ АГЕНТТІГІ
НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА
INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

APPROVE

**Director of non-profit organization «Independent
Agency for Accreditation and rating»**

«__» _____ **Zhumagulova A.B.**
2023

**PROGRAM
VISIT OF THE EXTERNAL EXPERT COMMISSION
INDEPENDENT ACCREDITATION AND RATING AGENCY (IAAR)
TO KARAGANDA INDUSTRIAL UNIVERSITY**

Date of the visit: 03-05 MAY 2023

Cluster 1. Program accreditation

- 1) 6B04101 Management in the field of entrepreneurship
- 2) 6B04104 Economics of a financial organization
- 3) 6B04103 Business Economics
- 4) 6B04106 Accounting and auditing in entrepreneurship

Cluster 2. Primary program accreditation

- 5) 6B07207 Mineral enrichment
- 6) 7M07206 Pharmaceutical production technology
- 7) 7M07114 Engineering of transport and technological systems

Date and time	EEC's work with target groups	Position and Surname, First name, Patronymic of target group participants	Form of communication
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<i>02 May, 2023</i>			
15.00-16.00 <i>According to the time of Astana</i>	Preliminary meeting of the EEC	<i>External experts IAAR</i>	
<i>02 May, 2023</i>			
<i>According to the schedule during the day</i>	Arrival of members of the External Expert Commission		
20.00	Dinner	<i>External experts IAAR</i>	Hotel
<i>Day 1: 03 May, 2023</i>			
08.30-09.00 <i>According to the time of Astana</i>	Transfer from the hotel to the University	<i>External experts IAAR, coordinator from the University</i>	Hotel-University
09.00-09.15 <i>According to the time of Astana</i>	Distribution of responsibility of experts, solution of organizational issues	<i>External experts IAAR</i>	KarIU, N-221
09.15 –09.45	Interview with the rector	Chairman of the Board - Rector, <i>Abdrasilov Bolatbek Serikbayevich</i> , Doctor of Biological Sciences, Academician	KarIU, N-201
09.45-10.00	Technical break		
10.00-10.40	Meeting with Vice-Rectors	<ul style="list-style-type: none"> • Vice–Rector for Academic Affairs - <i>Galina Alexandrovna Sivyakova</i>, Candidate of Technical Sciences, Associate Professor • Vice-Rector for Research and International Relations – <i>Makhmutov Bolat Bizhanovich</i>, c.phis.s. 	KarIU, N-201
10.40-10.50	Technical break		

10.50-11.30	Meeting with heads of structural divisions of the EP	<ul style="list-style-type: none"> • Director of the Department of Educational Work and Youth Policy - <i>Salpenova Madina Meiramovna</i>, Master's Degree • Head of the Personnel Management Sector - <i>Onlanbekova Rakhima Orazovna</i> • Director of the Department of Academic Policy, Dean - <i>Kharchenko Elena Mikhailovna</i>, PhD • Director of the Digital Transformation Department - <i>Karipov Tlegen Amanbekovich</i> • Director of the Department of Operation and Development of Infrastructure – <i>Begalin Marat Manatovich</i> • Director of the Department of Science, Innovation and International Cooperation – <i>Zhuniskaliyev Talgat Tokashuly</i> • Engineer of the Department of Science, Innovation and International Cooperation of the Postgraduate Education sector - <i>Mukhamadieva Damegul Abdimuratovna</i> • Chief Accountant – <i>Nazira Yesetovna Zhamantayeva</i> • Head of the library - <i>Noskova Svetlana Anatolyevna</i> • Head of the sector of the organization of the educational process and professional development – <i>Baymagambetova Altynai Khamitovna</i> • Head of the Registrar's Office - <i>Oksana Vladimirovna Chalaya</i>, Ph.D. • Head of the Student Service Center - <i>Nadezhda Alexandrovna Busheva</i> • Head of the Sector of Accreditation, Ratings and QMS - <i>Pak Olga Klimentevna</i> 	KarIU, N-201
11.30-11.45	Technical break		
11.45-12.30	Interviews with deans and heads of the AEP	<ul style="list-style-type: none"> • Dean of the Faculty of Economics and Construction - <i>Niyazov Talgat Zhaksybayevich</i>, Doctor of Economics, Professor • Dean of the Faculty of Metallurgy and Mechanical Engineering - <i>Gulnara Gazizovna Zhabalova</i>, Candidate of Technical Sciences, Associate Professor 	KarIU, N-201

		<ul style="list-style-type: none"> • Acting Dean of the Faculty of Energy, Transport and Control Systems - <i>Gulmira Aubakirovna Shayakhmetova</i> • Head of the Department "Technological Machines and Transport", OP 7M07114 Engineering of transport and Technological systems – <i>Nogaev Kairosh Abilovich</i>, Ph.D. • Head of the Department "Chemical Engineering and Ecology", EP 7M07206 Pharmaceutical Production Technology – <i>Kabieva Saule Kazzhanovna</i>, c.chem.s., Associate Professor • Head of the Department of Economics and Business, OP 6B04101 Entrepreneurship Management, EP 6B04104 Economics of a Financial organization, EP 6B04103 Business Economics, EP 6B04106 Accounting and Auditing in Entrepreneurship - <i>Olga Victorovna Silaeva</i>, c.e.s., Associate Professor • Head of the Department of Metallurgy and Materials Science, EP 6B07207 Mineral Processing – <i>Yerzhanov Almas Satybaldyevich</i>, PhD 	
12.30-13.00	The work of the EEC	<i>External experts IAAR</i>	KarIU, N-221
13.00-14.00	<i>Lunch</i>		
14.00-14.15	Technical break		
14.15-15.00	Interview with the teaching staff of the AEP	Teachers of the assessed EP <u>Appendix № 1</u>	KarIU, N-201
15.00-15.15	Technical break		
15.00-16.00	Survey of teaching staff (in parallel)	<u>Appendix № 2</u> <i>All teachers of the evaluated EP VA, MA</i>	The link is sent to the e-mail of the teacher personally
15.15-16.00	Interviews with AEP students	Students of the assessed EP <u>Appendix № 3</u>	KarIU, N-201
16.00-16.10	Technical break		

16.00-17.00	Survey of students (in parallel)	<u>Appendix № 4</u> <i>All students of the assessed EP BA, MA</i>	The link is sent to the student's e-mail personally
16.10-16.50	Interviews with graduates of the AEP	<u>Appendix № 5</u> <i>Cluster 1</i>	KarIU, N-201
16.50-17.00	Technical break		
17.00-18.00	Visual inspection of the EP	<p>According to the tour routes</p> <p>1. New building aud. 325b School of Entrepreneurship, new building aud. 324 Computer class - EP 6B04101 Management in the field of Entrepreneurship, EP 6B04104 Economics of a financial organization, EP 6B04103 Business Economics, EP 6B04106 Accounting and Auditing in entrepreneurship</p> <p>2. New building aud. 002 Specialized audience of transport equipment, new building aud. 003 Laboratory "Lifting and transport, technological machines and equipment", new building aud. 113 laboratory "3D engineering", new building aud. 110 specialized audience "Computer graphics and CAD" – EP 7M07114 Engineering of transport and technological systems</p> <p>3. Building aud. 321 Laboratory of Physico-chemical Methods of Analysis, building A aud. 314 Laboratory of Pharmaceutical Chemistry, building A aud. 310 Laboratory of Pharmaceutical Technology, building A aud. 104 Laboratory of Physical and Colloidal Chemistry, building A room. 305 Laboratory of processes and devices, building B room. 201 Laboratory of Organic Synthesis, building B aud. 204 Chromatography Laboratory - EP 7M07206 Pharmaceutical production technology</p> <p>4. Building B Educational Research Center "Metallurgy" - EP 6B07207 Mineral enrichment</p>	KarIU
18.00-19.00	Work of the EEC discussion of the results of the first day	<i>External experts IAAR</i>	KarIU, N-221
19.00-20.00	Dinner	<i>External experts IAAR</i>	Hotel
Day 3: 04 May, 2023			
08.30-09.00	Transfer from the hotel to the		Hotel-University

<i>По времени г.Астана</i>	University	<i>External experts IAAR, coordinator from the University</i>	
09.00-09.15	The work of the EEC	<i>External experts IAAR</i>	KarIU, N-221
09.15-12.30	Visiting the practice bases of the EP Meeting with representatives of practice bases and AEP employers	<i>According to the itinerary</i> <u>Appendix № 6</u> <i>Cluster 1</i> <i>Cluster p 2</i>	
12.30-13.00	The work of the EEC, discussion	<i>External experts IAAR</i>	KarIU, N-221
13.00-14.00	Lunch		
14.00-14.10	Technical break		
14.10-16.00	Attendance of classes according to the schedule (Appendix: links to classes)	<i>According to the schedule</i>	KarIU
14.10-16.00	Working with department documents (documents must be uploaded to the cloud by clusters in advance) In parallel		KarIU, N-221
16.00-16.10	Technical break		
16.10-16.50	The work of the EEC, discussion	<i>External experts IAAR</i>	KarIU, N-221
16.50-17.00	Technical break		
17.00-18.00	Work of the EEC, discussion of the results of the second day and profile parameters (recording is underway)	<i>External experts IAAR</i>	KarIU, N- 221
18.30-19.30	Dinner	<i>External experts IAAR</i>	Hotel
Day 3: 05 May, 2023			

08.30-09.00 <i>According to the time of Astana</i>	Transfer from the hotel to the University	<i>External experts IAAR, coordinator from the University</i>	Hotel-University
09.00-10.00	Work of the EEC development and discussion of recommendations (a record is being kept)	<i>External experts IAAR</i>	KarIU, N-221
10.00-10.20	Technical break		
10.20-12.30	The work of the EEC discussion, decision-making by voting (a record is kept)	<i>External experts IAAR</i>	KarIU, N-221
12:30-13:00	Заключительная встреча ВЭК с руководством вуза		KarIU, N-201
13.00-14.00	Lunch		
14.00-15.00	Work of the EEC, Discussion of the results of the quality assessment Work of the EEC, Discussion of the results of the quality assessment	<i>External experts IAAR</i>	KarIU, N-201
15.00-15.15	Technical break		
15.15-18.00	Work of the EEC, Discussion of the results of the quality assessment	<i>External experts IAAR</i>	KarIU, N-201

Appendix 3. RESULTS OF THE TEACHERS' SURVEY**The questionnaire of the teaching staff****Total number of questionnaires:25**

What educational program are you involved in?

2. Position

Professor	12
Associate Professor	24
Senior Lecturer	48
Преподаватель	8
Head of the Department	8
Other	0

3. Academic degree, academic title

Honored Worker	0 (0%)
Doctor of Sciences	2 (8%)
Candidate of Sciences	7 (28%)
Master	13 (52%)
PhD	3 (12%)
Professor	1 (4%)
Associate Professor	4 (16%)
No	0 (0%)
Others (Doctor of Transport)	0 (0%)

4. Work experience at this university

Less than 1 year	0
1 year – 5 years	20
More than 5 years	80
Other	0

№	Questions	Very good	Good	Relatively bad	Bad	Very bad	No answer
1	To what extent does the content of the educational program meet your scientific and professional interests and needs?	72	28				
2	How do you assess the opportunities provided by the University for the professional development of teaching staff?	52	48				
3	How do you assess the opportunities provided by the University for the career growth of teaching staff?	56	44				
4	How do you assess the degree of academic freedom of teaching staff?	60	36	4			

	To what extent can teachers use their own						
5	• Learning strategies	52	48				
6	• Teaching methods	56	44				
7	• Educational innovations	60	40				
8	How do you assess the work on the organization of medical care and disease prevention at the university?	36	60	4			
9	What attention is paid by the management of the educational institution to the content of the educational program?	68	32				
10	How do you assess the sufficiency and availability of the necessary scientific and educational literature in the library?	24	72	4			
11	Assess the level of conditions created that take into account the needs of different groups of students?	32	68				
	Evaluate the openness and accessibility of the management						
12	• students	64	36				
13	• teachers	60	40				
14	Evaluate the involvement of the teaching staff in the process of making managerial and strategic decisions	40	60				
15	How is the innovative activity of teaching staff encouraged?	40	56	4			
16	Evaluate the level of feedback between the teaching staff and the management	44	52	4			
17	What is the level of stimulation and involvement of young professionals in the educational process?	24	68	8			
18	Evaluate the created opportunities for professional and personal growth for each teacher and employee	40	56	4			
19	Assess the adequacy of the recognition by the university management of the potential and abilities of teachers	36	60	4			
	How the job is set						
20	• Academic mobility	28	68	4			
21	• Professional development of teaching staff	32	60	8			
	Appreciate the support of the university and its management						
22	• Research initiatives of teaching staff	52	44	4			
23	• Development of new educational programs/academic disciplines/teaching methods	44	56				
	Evaluate the level of faculty's ability to combine teaching						
24	• with scientific research	32	62	8			
25	• with practical activities	24	72	4			
26	Evaluate how students' knowledge obtained at the university corresponds to the realities of the	52	44	4			

	requirements of the modern labor market						
27	How does the management and administration of the university perceive criticism in their address?	24	64	12			
28	Evaluate how much your academic load meets your expectations and capabilities?	32	64	4			
29	What is the focus of educational programs/training programs on the formation of students' skills and abilities to analyze the situation and make forecasts?	48	52				
30	Evaluate how the educational program in terms of content and quality of implementation meets the expectations of the labor market and employers	40	60				

Why do you work at this university?

- I was invited and appointed to the position based on the results of the competition
- I like the fact that the university gives me freedom in choosing methods of work in educational and scientific activities
- I live in this city
- A patriot of his university and a good platform for the implementation of scientific ideas
- High scientific potential
- I like it
- Permanent residence, there is social support for teaching staff from the leadership of KarIU
- Systematic work of the educational process and
- I have been working at this university since March 1, 1978, first as a researcher, then as a teacher at the Department of Economics since 1993. This is my native university, I studied there from 1972-1977 with a degree in Economics and Construction Organization
- The work of a teacher is prestigious and this university gives you the opportunity to realize yourself as a teacher
- Working conditions, management policy, salary level, career opportunities meet my needs
- Satisfied with the conditions and remuneration.
- I like it, my place of residence
- I graduated from it myself and having practical experience consciously came to teach students
- Satisfied with working conditions, like teaching
- My permanent location and working hours are convenient
- Friendly atmosphere in the team, close location to the place of residence, decent wages.
- The reason for choosing this educational institution is, first of all, admission to doctoral studies, further improvement of professional knowledge, as well as conducting large laboratory test experiments in laboratories on the basis of the University and working closely with the largest ferrous metallurgy plant in Kazakhstan. Participate in projects on scientific work and master the ability to become a full-blooded specialist in their field
- Located close to the place of residence, it is the only university in Temirtau. I am also pleased with the practice-oriented orientation of teaching at the department, that colleagues are practitioners of their field.
- A patriot of the University, graduated from this university
- I like it. I am a patriot of this university.
- Native university

- corresponds to the specialty

32. How often are master classes and classes with the participation of practitioners held as part of your course?

very often	often	sometimes	very rarely	never
16	56	24	4	0

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

very often	often	sometimes	very rarely	never
12	52	36		

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

Questions	Often	Sometimes	Never	No answer
Lack of classrooms	4	8	88	
Unbalanced academic load by semester	4	40	56	
Unavailability of necessary literature in the library	4	36	60	
Overcrowding of study groups (too many students in a group)	4	24	72	
Inconvenient schedule	4	44	52	
Inappropriate conditions for classes in classrooms	4	36	60	
Lack of Internet access/weak internet	4	44	52	
Students' lack of interest in learning	0	68	32	
Untimely receipt of information about events	0	32	68	
Lack of technical training facilities in classrooms	0	48	52	-
Other problems	<ul style="list-style-type: none"> • There are no problems in the organization of the educational process. все хорошо • No problems • No other problems • few grant grants for the EP "Accounting and auditing in entrepreneurship" • Insufficient amount of equipment for audio and video lectures • low technical support for creating online resources, such as video recordings of lectures • Возникающие проблемы решаются оперативно • small number of grants for EP • Less grants are allocated for Economics specialties • Few amount of grants • Small number of grants for the EP • A grant place in economics is allocated less • lack of some necessary equipment for conducting practical tests • In my opinion, there are no • There are few incoming applicants and applicants have low knowledge • There are no problems. Everything is fine. 			

	<ul style="list-style-type: none"> - the need for repair of research equipment
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35. There are many different sides and aspects in the life of the university that affect every teacher and employee in one way or another. Rate how satisfied you are:

Questions	Absolutely satisfied (1)	Partly satisfied (2)	Not satisfied (3)	Difficult to answer (4)
The attitude of the university management towards you	76	20		4
Relations with direct management	92	8		
Relations with colleagues at the department	96	4		
The degree of participation in management decision-making	76	20	4	
Relations with students	96	4		
Recognition of your successes and achievements by the administration	80	20		
Support for your suggestions and comments	76	24		
Activities of the university administration	84	16		
Terms of remuneration	60	36	4	
Working conditions, list and quality of services provided at the university	72	28		
Occupational health and safety	80	20		
Managing changes in the university's activities	72	24		4
By providing a social package: rest, sanatorium treatment, etc.	52	36	8	4
Organization and quality of nutrition at the university	48	44		8
Organization and quality of medical care	68	32		

Appendix 4. RESULTS OF THE SURVEY OF STUDENTS*Questionnaire for students***Total number of questionnaires: 40****Sex:**

Male	47,5
Female	52,5

Rate how satisfied you are:

Questions	Absolutely satisfied	Partly satisfied	Partly not satisfied	Not satisfied	Difficult to answer
1. Relations with the dean's office (school, faculty, department)	92,5	7,5			
2. The level of accessibility of the dean's office (school, faculty, department)	95	5			
3. The level of accessibility and responsiveness of management (university, school, faculty, department)	90	10			
4. Availability of academic counseling	87,5	12,5			
5. Support of educational materials in the learning process	85	15			
6. Availability of counseling on personal problems	85	15			
7. Student-teacher relationship	85	15			
8. Activities of financial and administrative services of the educational institution	90	10			
9. Accessibility of health services	85	12,5			2,5
10. The quality of medical care at the university	77,5	15			7,5
11. The level of availability of library resources	90	5			5
12. The quality of services provided in libraries and reading rooms	90	7,5			2,5
13. Existing educational resources of the university	90	10			
14. Availability of computer classes	92,5	7,5			
15. Availability and quality of Internet resources	82,5	15	2,5		
16. The content and information content of the website of educational organizations in general and faculties (schools) in particular	80	20			
17. Classrooms, classrooms for large groups	90	10			
18. Rest rooms for students (if available)	72,5	12,5	2,5		12,5
19. Clarity of disciplinary action procedures	90	10			
20. The quality of the educational program as a whole	90	10			
21. The quality of educational programs in the EP	87,5	12,5			
22. Teaching methods in general	92,5	7,5			
23. Quick response to feedback from teachers on the educational process	90	10			
24. The quality of teaching in general	92,5	7,5			
25. Academic load/student requirements	87,5	12,5			
26. The requirements of the teaching staff to the student	97,5	12,5			
27. Informational support and explanation of the admission rules and the strategy of the educational	85	15			

program (specialty) before entering the university					
28. Informing the requirements in order to successfully complete this educational program (specialty)	82,5	17,5			
29. The quality of examination materials (tests and examination questions, etc.)	90	10			
30. The objectivity of the assessment of knowledge, skills and other educational achievements	87,5	12,5			
31. Available computer classes	92,5	7,5			
32. Available scientific laboratories	80	15			5
33. Objectivity and fairness of teachers	90	10			
34. Informing students about courses, educational programs and academic degree received	92,5	7,5			
35. Providing students with a dormitory	82,5	2,5			15

Rate how much you agree:

Statement	Absolutely agree	Agree	Partly agree	Disagree	Absolutely disagree	No answer
36. The course program was clearly presented	75	25				
37. The course content is well structured	82,5	17,5				
38. The key terms are sufficiently explained	82,5	17,5				
39. The material proposed by the teacher is relevant and reflects the latest achievements of science and practice	77,5	22,5				
40. The teacher uses effective teaching methods	82,5	17,5				
41. The teacher owns the taught material	87,5	12,5				
42. The teacher's presentation is clear	90	10				
43. The teacher presents the material in an interesting way	85	12,5	2,5			
44. Objectivity of assessment of knowledge, skills and other educational achievements	82,5	15	2,5			
45. Timeliness of assessment of students' academic achievements	70	30				
46. The teacher meets your requirements and expectations of professional and personal development	90	7,5	2,5			
47. The teacher stimulates the activity of students	75	25				
48. The teacher stimulates the creative thinking of students	85	12,5	2,5			
49. The appearance and manners of the teacher are adequate	85	15				
50. The teacher shows a positive attitude towards students	85	12,5	2,5			
51. The system of evaluation of educational achievements (seminars, tests, questionnaires, etc.) reflects the content of the course	77,5	22,5				
52. The evaluation criteria used by the teacher are clear and accessible	82,5	17,5				
53. The teacher objectively evaluates the achievements of students	80	20				
54. The teacher speaks a professional language	70	30				
55. The organization of education provides sufficient opportunity for sports and other leisure activities	80	20				
56. Facilities and equipment for students are safe, comfortable and modern	77,5	20	2,5			

57. The library is well equipped and has a sufficient fund of scientific, educational and methodological literature	67,5	30	2,5			
58. Equal opportunities for the development of EP and personal development are provided to all students	77,5	20	2,5			

Other problems regarding the quality of teaching:

- -
- No
- No problems
- There are no problems
- Not a problem
- There are not any problems
- Didn't notice
- Our teacher Nurbek Bolatovich is a very good and very smart and kind teacher
- No other problems. Everything is as it should be. I am glad that I entered this university!

