



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert commission for the
evaluation educational program "8D07302" - Geoinformatics
for compliance with the requirements of specialized
accreditation standards
Non-profit joint stock company
"Al-Farabi Kazakh National University"
from 15 to 17 May 2023

**INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
EXTERNAL EXPERT COMMISSION**

*Addressed to
Accreditation
Council IAAR*



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Almaty city

"17" May 2023

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(I) LIST OF SYMBOLS AND ABBREVIATIONS

RK	The Republic of Kazakhstan
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
AC	Accreditation Council
PhD	doctoral studies
university	higher education institution
EEC	external expert commission
GOSO	State obligatory standards of education
SPED	state program for the development of education
IAAR	Independent agency of accreditation and rating
research	research work
NPA	normative legal acts
NRK	national qualifications framework
NSC	National system of qualifications
OO	organization of education
EP	educational program
teaching staff	faculty
ECTS	(eng. <i>European Credit Transfer and Accumulation System</i> - European system of transfer and accumulation of points) - a pan-European system for recording the educational work of students in the development of an educational program or course
ESG	standards and guidelines for quality assurance in the European Higher Education Area
QF-EHEA	Qualifications frameworks in the European Higher Education Area
NPP RK	National Chamber of Entrepreneurs of the Republic of Kazakhstan
GIS	Geographic information system
ERS	Earth Remote Sensing

(II) INTRODUCTION

In accordance with and with order No. 74-23 -OD dated 10.03.2023 . Independent credit and rating agency (hereinafter referred to as IAAR) from May 15 to May 17 , 2023 an external expert commission (EEC) conducted an assessment of the educational program " 8D07302 Geoinformatics" for compliance with the standards of specialized accreditation of the NAAR (No. 57-20 - OD dated June 16 2020, sixth edition) IAAR (Republic of Kazakhstan), implemented by the NJSC " Kazakh National University. al-Farabi" .

Report of the external expert commission on the assessment of compliance of activities within the framework of specialized accreditation with IAAR, recommendations of the EEC for further improvement of the parameters of the specialized educational profile 8D07302 "Geoinformatics".

Composition of the EEC:

IAAR expert, chairman of the EEC - Tulupova Elena Sergeevna, Ph.D , Institute of Public Health and Medical Law, 1st Faculty of Medicine, Charles University (Czech Republic, Prague), *Off-line participation;*

IAAR expert – Vasilevskaya Ekaterina Sergeevna , Ph.D. in Pharmacy, Associate Professor, Omsk State Medical University (Russian Federation, Omsk), *Off-line participation;*

IAAR expert - Shukirbekova Alma Boranbekovna, Doctor of Pharmacy, Professor, JSC "Astana Medical University" (Republic of Kazakhstan, Astana), *On-line participation;*

IAAR expert – Seidakhmetova Aizat Ashimkhanovna, candidate of medical sciences, South Kazakhstan Medical Academy JSC (Republic of Kazakhstan, Shymkent), *Off-line participation;*

IAAR expert - Zhalilov Fazliddin Sodikovich, Doctor of Medical Sciences, Tashkent Pharmaceutical Institute, (Republic of Uzbekistan, Tashkent), *Off-line participation;*

IAAR expert – Maukenova Altynai Amanbaevna, Ph.D., Kazakh National Medical University named after A.I. S.D. Asfendiyarova, (Republic of Kazakhstan, Almaty), *Off-line participation;*

IAAR expert – Dmitry Pavlovich Muchkin , Candidate of Pedagogical Sciences, Associate Professor , Pavlodar Pedagogical University NJSC (Republic of Kazakhstan, Pavlodar), *Off-line participation;*

Expert IAAR - Sultanova Gulnar Dostanovna , Ph.D., NJSC "West Kazakhstan Medical University" (Republic of Kazakhstan, Aktobe), *Off-line participation;*

IAAR Expert - Imasheva Bagdat Sakenovna , Doctor of Biological Sciences, Professor, Advisor to the Chairman of the Board, National Public Health Center of the Ministry of Health of the Republic of Kazakhstan (Republic of Kazakhstan, Astana), *Off-line participation;*

IAAR expert – Ganagina Irina Gennadiyevna, Candidate of Technical Sciences, Siberian State University of Geosystems and Technologies (Russian Federation, Novosibirsk), *On-line participation;*

IAAR expert – Meir Sapargalievich Erdauletov, Joint Institute for Nuclear Research (Russian Federation, Dubna), *Off-line participation;*

IAAR expert – Kabyshev Asset Maratovich, PhD, NAO "Eurasian University named after L.N. Gumilev" (Republic of Kazakhstan, Astana), *Off-line participation;*

IAAR expert - Kasymov Askar Bagdatovich, PhD, NAO "Shakarim University of Semey" (Republic of Kazakhstan, Semey), *Off-line participation;*

IAAR expert Kulzhumiyeva Aiman Amangeldiyevna, Candidate of Physical and Mathematical Sciences, West Kazakhstan University. M. Utemisova (Republic of Kazakhstan, Uralsk), *On-line participation;*

IAAR expert, EEC employer - Yesenev Olzhas Brimzhanovich , Master of Business Administration in Healthcare, State Institution Hospital with a Polyclinic of the Police Department of the North Kazakhstan Region (Republic of Kazakhstan, Petropavlovsk), *On-line participation;*

Employer - Expert IAAR - Pilipenko Yury Alexandrovich, International Association of Producers of Goods and Services "Expobest" (Republic of Kazakhstan, Almaty) *Off-line participation;*

IAAR expert, student of the Higher Economic Commission - Indira Boranbaevna Kaibagarova , doctoral student, NAO "West Kazakhstan Medical University" (Republic of Kazakhstan, Aktobe), *On- line participation;*

IAAR expert, EEC student - Zhelubaeva Kainesh Turgunovna , undergraduate, JSC "Astana Medical University" (Republic of Kazakhstan, Astana), *On- line participation;*

IAAR expert, student of the EEC - Orazayeva Bayan Bolatkaliqzy , master student of NJSC "Semey Medical University" (Republic of Kazakhstan, Semey), *On- line participation;*

IAAR expert, EEC student - ТҮҒҒҮШОВ sherkhan Zhasulanbekuly , student, Arkalyk Pedagogical Institute named after Y. Altynsarin (Republic of Kazakhstan, Arkalyk), *On- line participation;*

IAAR expert, student of EEC - Shirinbek Beklan Saparalyuly , student, South Kazakhstan Medical Academy JSC (Republic of Kazakhstan, Shymkent), *On- line participation;*

IAAR expert, student of the EEC - Dildabek Turar Kanatuly , student, Kazakh National Medical University. S.D. Asfendiyarova , (Republic of Kazakhstan, Almaty), *Off - line participation;*

IAAR expert, student of the EEC - Tirzhanova Sabina Erkinovna , doctoral candidate, NAO "Kazakh National Research Technical University named after K. I. Satpayev" (Republic of Kazakhstan, Almaty) *Off - line participation;*

IAAR expert, student of the EEC - Bagramova Asel Aidosovna , doctoral student, NAO "Eurasian University named after L.N. Gumilyov" (Republic of Kazakhstan, Astana), *On- line participation;*

IAAR expert, student of the EEC - Kuzyakova Valentina Alekseevna , student of NJSC "Medical University of Karaganda", (Republic of Kazakhstan, Karaganda), *On -line participation;*

IAAR expert, student of the EEC - Mustafina Mergul Oralbekovna , doctoral student of the East Kazakhstan University named after S. Amanzholov (Republic of Kazakhstan, Ust-Kamenogorsk), *On- line participation;*

IAAR Coordinator – Dzhakenova Alisa Satbekovna , PhD, Head of Medical Projects of the Agency (Republic of Kazakhstan, Astana), *Off-line participation.*

(III) REPRESENTATION OF EDUCATIONAL ORGANIZATION

Al-Farabi Kazakh National University carries out educational activities in accordance with the updated state license KZ27LAA00019309, issued by the Committee for Control over the Sphere of Education and Science of the Republic of Kazakhstan dated 11/19/2020.

January 15, 1934 - the day of the official opening of the Kazakh State University (KazGU), created on the basis of the Pedagogical Institute by the Decree of the Council of People's Commissars of the USSR and the Kazakh Regional Committee of the All-Union Communist Party. On December 2 of the same year, KazGU was named after the famous Soviet party and statesman S. M. Kirov.

At present, the Kazakh National University named after. Al-Farabi is a major scientific, educational and innovation center where new knowledge, advanced ideas and technologies are accumulated. The main guideline for the University is the tasks set in the Address of the President of the country: entering the ranking of the best universities in the world, carrying out innovative activities and introducing the results of scientific research into production. Al-Farabi KazNU . - a modern world-class university - is the leading scientific, methodological, research center for the development of the higher education system in the Central Asian region.

The mission of the al-Farabi Kazakh National University is to form human resources - competitive and sought-after specialists in the national and international labor markets, to achieve a qualitatively new effect in the formation of citizens of the country and the world, and to promote the sustainable development of society through the transfer and enhancement of knowledge.

The goal of the university is to be the locomotive of progressive economic, social and cultural transformations in society; to form personnel potential for the domestic and Eurasian labor markets in accordance with their needs and prospects for the development of the country and the region; promote the introduction of innovative technologies in all spheres of the country's life through the commercialization of the results of scientific research by university scientists; ensure an increase in the education of the nation, its intellectual, cultural, moral potential.

The strategic goal of the university is the transformation of NJSC " Al-Farabi KazNU " to a world-class research university. Target indicators for strategic areas.

The University operates in accordance with the Constitution of the Republic of Kazakhstan, the laws of the Republic of Kazakhstan "On Education" dated July 27, 2007, "On Science" dated February 18, 2011, "On the Commercialization of Scientific and (or) Scientific and Technical Activities" dated October 31 2015 and other regulatory legal acts of the Republic of Kazakhstan regulating educational and scientific activities, as well as the Charter of the Al-Farabi Kazakh National University.

According to the results of the world ranking QS World University Ranking in 2022, the leading Kazakh University - Kazakh National University. Al-Farabi ranked 150th in the list of the best universities in the world.

Al-Farabi KazNU consists of a scientific and educational cluster, which includes 16 faculties with 67 departments; 8 research institutes of natural science and technical profile; science and technology park; open national nanotechnology laboratory; 5 institutes and 17 scientific centers of social and humanitarian profile. The university management system is built on the principle of verticality and provides for a structural differentiation in areas of activity: educational and methodological work, research work, educational work, etc. Internal regulatory and organizational and regulatory documents approved at Al-Farabi Kazakh National University allow operational management and distribution of powers.

Faculty of Geography and Environmental Sciences : Department of Cartography and Geoinformatics

The formation and development of the Department of Cartography and Geoinformatics is inextricably linked with the university school of geomorphological science of the Al-Farabi KazNU, the founder of which was the legendary scientist geomorphologist, geologist, geographer and cartographer Mukatai Zhandaevich Zhandaev .

Professor Zhandaev M.Zh. became the first head of the only department of geomorphology in Kazakhstan (1974–1988). From 2002 to 2011 the department was called the Department of Geomorphology and Cartography, and since 2011 the Department of Cartography and Geoinformatics.

From 2020 to the present, the department is headed by PhD, Associate Professor Assylbekova Aizhan.

Over the years of its existence, the department has trained not a single dozen specialists of geomorphologists, cartographers, geodesists, geoinformatics who successfully work in government bodies, research institutes, universities, etc. Among the graduates of the department of various years, such leaders as the director of the Institute of Geography Medeu A.R., the rector of the Arkalyk University, Doctor of Geography Kuanyshbaev S.B.

Bekseitova R.T., Koshim A.G., Kuanyshbaev S.B., Akpanbetova K. and others became prominent scientists and teachers of higher education .

To date, the department prepares bachelors in the educational programs "6B07301 - Geodesy and Cartography", "6B07302 - Geoinformatics"; undergraduates in EP "7M07301 - Geodesy", "7M07302 - Geoinformatics", "7M07303 - Cartography", "7M07306 - Geoinformatics" (double degree program), "7M05210 - Natural and technogenic risks", doctoral students in EP "8D07301 - Geodesy", " 8D07302 - Geoinformatics", "8D07303 - Cartography" and "8D05206 - Natural and technogenic risks". In recent years, due to the globalization of education, the training of specialists is also conducted in English.

Currently, the department is developing theoretical and applied issues in the field of cartography, geodesy, in particular, digital and thematic cartography, as well as in the field of application of geographic information systems in the management of various sectors of the economy of the Republic of Kazakhstan.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

educational program "8D07302 - Geoinformatics" is being accredited in NAAR for the first time.

(V) DESCRIPTION OF THE EEC VISIT

The work of the EEC was carried out on the basis of the approved Program of the visit of the external expert commission of the independent agency for accreditation and rating (IAAR) for specialized accreditation of educational programs at Al-Farabi Kazakh National University NJSC from May 15 to May 17, 2023.

In order to coordinate the work of the EEC, on May 12 , 2023, a kick-off meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was specified, and agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, meetings were held with vice-rectors of the university in areas of activity, heads of structural divisions, directors of institutes, deputy directors, heads of departments, EP managers, teachers, students, employers, graduates . A total of 32 people took part in the meetings representative (table 1).

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

Participant category	Quantity
Heads of structural divisions	16

Deans of accredited educational programs	4
Heads of departments, EP managers	2
teachers	3
students	6
Employers	1
Total	32

During the visit, the members of the EEC got acquainted with the state of the material and technical base.

At the meetings of the EEC IAAR with the target groups of the university, the mechanisms for implementing the policy of the university were clarified and certain data presented in the self-assessment report of the university were specified.

EEC experts reviewed the practice bases, and also asked questions to the heads of laboratories of the Institute of Geography and Water Security and the head of the Center for Remote Sensing, Engineering and Science-Intensive Technologies Cluster.

In accordance with the accreditation procedure, a survey of 85 teachers and 91 students was conducted.

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

As part of the planned program, recommendations for improving the accredited educational programs of NJSC Al-Farabi Kazakh National University, developed by the EEC based on the results of the examination, were presented at a meeting with the management on May 17, 2023.

(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1. The standard "Management of the educational program"

Evidence

The policy of the Al-Farabi KazNU in the field of quality is presented on the website of the university and contains a strategic goal - the transformation of NJSC " Al-Farabi KazNU" to a world-class research university (https://www.kaznu.kz/content/files/pages/folder17718/Policy%20KazNU_russ.pdf). Al-Farabi KazNU policy in the field of quality is mandatory for the management of the university and planning its educational, research and innovation activities. The University ensures the effective implementation of the Quality Policy by all staff. Each member of the university team is personally responsible within their competence for the quality of the work performed, ensuring compliance with the requirements of the quality management system and constantly maintaining its effectiveness. He also understands that the well-being of the university, the well-being of its students and employees depends on the level of customer satisfaction with the quality of work.

The strategic direction of development of KazNU . Al-Farabi is the formation of the university as a modern research university based on the close integration of science, education and business, presented in the Mission of the University (<https://www.kaznu.kz/ru/20518/page/>).

The system of relations between all participants in the educational process aimed at realizing the mission of the university, autonomous in determining the prospects for development and implementation of tasks, functioning in the context of internationalization as a key trend in the development of the global system of higher and postgraduate education, is determined by the Academic policy of the university, presented on the university website ([https : / / www.kaznu.kz/ru/20529/page/](https://www.kaznu.kz/ru/20529/page/)).

The complexity of planning and management of educational activities is ensured by a system of principles aimed at its modernization in order to comply with international standards of higher

and postgraduate education. The basic principles determine the content of academic policy and the means of its implementation:

The basic principles of academic policy ensure its implementation in a system of rules and guidelines:

- the principle of compliance of the quality of educational activities (training and teaching) of the university with world standards of education;
- the principle of student-centeredness of the educational process;
- the principle of integrativity of education, science and production;
- the principle of lifelong learning;
- the principle of internationalization of education;
- the principle of improving the social dimension of education;
- the principle of supporting pedagogical innovations.

The academic policy is aimed at ensuring the high-quality functioning of all processes and procedures serving the educational process (approved by the decision of the Academic Council, protocol No. 1 of September 29, 2022). The most important procedures aimed at ensuring the quality implementation of educational programs are (<https://www.kaznu.kz/content/files/pages/folder20484/Academic%20policy.pdf>):

1. Formation of the staff resource of the teaching staff, capable of providing a guarantee of the quality of education.
2. Development of a system for planning, implementing and monitoring the quality of educational programs, their information technology support, which is based on the principles defined by the mission and strategy of the university.
3. Creation of educational and educational-methodical resources for the formation of the educational environment and the implementation of various types of educational activities in it, aimed at achieving learning outcomes.

One of the leading roles in the formation, monitoring and implementation of the EP at the university is carried out by the Academic Committee (Scientific and Methodological Council) (<https://www.kaznu.kz/ru/20560/page/>). This committee exists in each faculty and the coordinating principle operates at the university level. The Academic Committee is a collegiate advisory and advisory body for managing the educational processes of the university.

Tasks of the Academic Committee:

- organization of a quality management system for training specialists;
- improvement of the legal and educational and methodological support of the educational process;
- monitoring external and internal conditions and the state of the educational process at the University in order to timely identify trends, as well as deviations in the quality of student training from the strategic goal;
- monitoring the modernization of the educational programs of the university, improving the methodology of the principles for developing educational programs;
- generalization and dissemination of best practices in organizing and improving educational and methodological and scientific and methodological work;
- improvement of the system of advanced training, retraining and certification of teaching staff, analysis of the content of the educational process.

At each faculty of the university, the Committee for the Quality of Education at the faculty is called upon to carry out comprehensive monitoring and support of educational policy.

The functions of the Committee for the Quality of Education at the faculties of the university include:

- participation in the organization and monitoring of external and internal conditions and the state of the educational process at the faculty in order to timely identify deviations in the quality of training students from established standards;
- analysis of the causes of deviations, development of proposals for corrective measures and measures to prevent the appearance of inappropriate results of training at all levels (on improving

curricula and educational programs, improving the training of teachers and other personnel, as well as information, material and other support);

- implementation of quality assessment of educational and methodological support of the educational process; conducting an internal assessment of the quality of the effectiveness of educational programs based on reliable facts; determining the degree of compliance of educational programs with the needs of the labor market; development of recommendations for improving educational programs;

- consideration of issues related to students' dissatisfaction with the quality of educational services provided;

- development of proposals for improving the educational policy of the faculty;

- consideration of cases of academic dishonesty on the part of students and teaching staff.

The quality of education at the meetings of the Committee is discussed as necessary, but at least once a semester. Committee meetings are documented in minutes. The report on the work of the committee is submitted for consideration by the Academic Council of the faculty.

Work on the development of new and improvement of educational programs at KazNU . al-Farabi is ongoing. Throughout the academic year, methodological seminars are held by the Department of Methodological Work and Educational Technologies and the Methodological Work Service (as part of the Department of Academic Affairs).

For each EP, coordinators and compilers of the EP are appointed, who annually review and adjust the content of the EP in order to improve the quality, compliance of learning outcomes with the requirements and prospects for the development of the modern labor market in Kazakhstan, as well as trends in the development of international labor markets.

The educational program for the preparation of a Doctor of Philosophy (PhD) has a scientific and pedagogical focus and involves fundamental educational, methodological and research training and in-depth study of disciplines in relevant areas of science for the system of higher and postgraduate education and the scientific field. The uniqueness of the EP "Geoinformatics" is determined based on the analysis of the state and development trends of scientific and industrial organizations and associations, national and regional land committees, government bodies and relevant ministries. The EP was compiled at the intersection of several areas of training: geodesy, remote sensing of the Earth, cartography, geoinformatics and programming. The EP "Geoinformatics" (doctorate level) is aimed at training competitive specialists in the field of geoinformation systems and remote sensing and contributes to the study of modern trends in the development of global and regional experience in interacting with geospatial data.

The quality of the innovative EP "Geoinformatics" for the training of qualified specialists is confirmed by the inclusion of these EPs in the register of educational programs of the Unified Management System for Higher Education (ESUVO) of the Ministry of Education of the Republic of Kazakhstan (http://esuvo.platonus.kz/#/register/education_program).

In the development strategy of the EP, potential risks are taken into account and prevented based on the analysis of the functioning of the EP, preliminary discussion at meetings of the departments, the Academic Council of the University, seminars of the Educational and Methodological Council of the University organized for the developers of the EP, based on the results of which proposals, amendments and changes are made.

The mechanisms for preventing the risks of the implementation of the EP include the rules and regulations of the Academic Policy of the University, the annual Academic calendar, control and monitoring of educational and methodological work by the Academic Committee in the direction of training. This Academic Committee participates in assessing the quality of the EP, academic and digital modernization of educational activities, determining the minimum educational and scientific, personnel, information and library, teaching and laboratory and other resources for the implementation of the EP and ensuring their availability for students. The committee includes: academic staff (TS OVPO), students and employers. The composition of the Committee is approved by the order of the Chairman of the Board-Rector.

Representatives of state bodies, private and public employers, scientific organizations,

teaching staff and students are involved in the development of the EP. The developers of the accredited EP on a permanent basis participate in advanced training courses, including education management programs. The teaching staff of the department is directly involved in the development of the EP. The university ~~annually~~ monitors, analyzes and revises educational programs according to the growing demands of students, the labor market and society.

Analytical part

The university presented a published quality policy. The complexity of planning and management of educational activities is provided by a system of principles aimed at its modernization in order to comply with international standards of higher and postgraduate education, and is represented by the Academic Policy of the University, published on the website.

The main educational activities of the university are regulated *by the following* legal documents presented on the website:

- Law of the Republic of Kazakhstan "On Education" (No. 319-III dated July 27, 2007 as amended by the Law of the Republic of Kazakhstan dated 02.07.18 No. 170-VI ZRK);

- Model rules for the activities of educational organizations implementing educational programs of higher and postgraduate education (Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 595 dated October 30, 2018),

- State obligatory standards of higher and postgraduate education (Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 604 dated October 31, 2018);

- Rules for organizing the educational process on credit technology (Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 152 of 04/20/2011, as amended No. 563 of 10/12/2018);

- Model rules for admission to study in educational organizations that implement educational programs of higher and postgraduate education (Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 600 of October 31, 2018) and other regulatory legal acts of the Ministry of Education and Science of the Republic of Kazakhstan;

- internal normative documents of the university.

Members of the EEC note the lack of updating of the documents of the Ministry of Education and Science of the Republic of Kazakhstan presented on the website, regulating the educational activities of the university. So the last update of the Law of the Republic of Kazakhstan "On Education" refers to 04/20/2023. Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 604 dated October 31, 2018 invalidated by order No. 348 dated 03.08.2022. Order of the Minister of Science and Higher Education of the Republic of Kazakhstan "On approval of state compulsory standards of higher and postgraduate education" dated July 20, 2022 No. 2 was registered with the Ministry of Justice of the Republic of Kazakhstan on July 27, 2022 No. 28916.

Development strategy of Al-Farabi KazNU . aimed at forming the university as a modern research university, is presented for 2017-2021 (<https://www.kaznu.kz/ru/20521/page/>).

During the EEC visit, the EP management informed the experts about the individuality and uniqueness of the EP development plan, its consistency with national development priorities and the development strategy of the educational organization. *However*, the EP development plan is not presented on the university website, there is no information about its approval.

EP "Geoinformatics" is included in the register of educational programs of the Unified Management System for Higher Education (ESUVO) of the Ministry of Education of the Republic of Kazakhstan (http://esuvo.platonus.kz/#/register/education_program). The date of registration of the EP in the register is 08/19/2019. *However*, the date of the last update in the register of EP "Geoinformatics" in the register is 13.01.2021.

Decree of the Government of the Republic of Kazakhstan "On approval of the national project "Technological breakthrough through digitalization, science and innovation"" dated October 12, 2021 No. 727 *was not reflected* in the submitted EP "Geoinformatics" in the ESUVO register. Thus, the presence of the EP "Geoinformatics" in the ESUVO register cannot serve as a

confirmation of the quality of the innovative EP "Geoinformatics" for the training of qualified specialists. The members of the EEC for consideration were presented with the curriculum of the EP "Geoinformatics", approved at a meeting of the Academic Council of the University, protocol No. 8 dated April 29, 2019. On the university website, in the Incoming tab, information on the EP "Geoinformatics" is presented in the form: " Data for 2020-2023 are given." (https://welcome.kaznu.kz/ru/education_programs/doctorate/speciality/1661#general).

In accordance with the parameters of the "Educational Program Management" standard, the EP management did not demonstrate the individuality and uniqueness of the EP development plan, its consistency with national development priorities and the development strategy of the educational organization.

The management of the EP in the self-examination report stated that potential risks are taken into account and prevented in the development strategy of the EP based on the analysis of the functioning of the EP, preliminary discussion at meetings of the departments, the Academic Council of the University, seminars of the Educational and Methodological Council of the University, organized for the developers of the EP, as a result of which suggestions, amendments and changes. *However*, the development strategy of the EP "Geoinformatics" is not presented. The members of the EEC note the absence of a risk-based analysis of the ongoing EP, and proposals for risk management are not presented.

The educational program submitted for accreditation was agreed with the representative of the employers, which was confirmed during the interview during the work of the EEC.

During interviews with teaching staff and doctoral students of the educational program, it was revealed that the Quality Policy is aimed at creating a favorable scientific and academic environment, improving qualifications and remuneration, involving the most competitive and talented specialists and developing university infrastructure .

Teaching staff of the Department of C&G Al-Farabi KazNU has successfully received international certificates of advanced training courses from the Swiss School of Applied Sciences for Economics and Management (Swiss SASEM) under the program "Change Management: Management of Educational Programs (EP), an innovative approach to teaching and learning.

Strengths/Best Practice – None.

EEC recommendations:

–in accordance with the quality assurance policy, by the beginning of the 2023-2024 academic year, submit relevant regulatory documents on the university website and make changes and updates to them on an ongoing basis.

–EP management to develop proposals for risk management based on risk-based analysis (SWOT), publish the results on the website. Deadline: 2023-2024 academic year.

The conclusions of the EEC according to the criteria: strong positions - 0, satisfactory - 16, suggest improvements - 1, unsatisfactory - 0.

6.2. The standard "Information Management and Reporting"

Evidence

In KazNU, the system for collecting, analyzing and managing information is carried out through a corporate information system (CIS) developed at the university and representing a set of programs aimed at automating and managing various business processes of the university. On the basis of CIS, various types of electronic services are provided: electronic educational document management, monitoring, control and analysis of the educational process, submission of electronic applications on the principle of "one window, one registration" for students, general information services. The CIS includes the following management business processes: university (administrative and managerial activities); educational and methodical activity; educational

process; research activities; electronic educational resources; financial and economic activity; social and educational activities. The main tool is the official page of the Al-Farabi KazNU website (www.kaznu.kz), the components of which are web resources on the structure of the University, departments, personal web pages of university employees; interactive applications; electronic educational resources; other thematic Internet resources of the University and information systems; links to partner websites; electronic resources of the Internet.

Responsible for their functioning and reliability of information are: the department of information and communication technologies; Department of Academic Affairs, Department of Science and Innovation, Department of Economics and Finance, Department of Educational Work. A classifier of internal regulatory documents of the Kazakh National University named after A.I. Al-Farabi (<https://www.kaznu.kz/ru/23065/page/>).

The collection and analysis of information is carried out in an interactive mode, which allows management to receive relevant and accurate data, control and monitor current activities, analyze information and make decisions quickly. Information and software complex (IPC) "Univer" is used to collect, analyze and manage information (<https://univer.kaznu.kz/user/login?ReturnUrl=%2f> , <https://univer.kaznu.kz/about>) , mobile application "Univer" (<https://apps.apple.com/ru/app/univer-mobile/id1554132047>), information and analytical system "Science" (<https://science.kaznu.kz/UserAccount/LogOn?ReturnUrl=%2f>).

The Information Technology Center ensures the protection of the software used - by licensing software products; electronic resources published on the Internet - using the https protocol and backup; corporate network - setting up firewalls; computer equipment - installation of anti-virus tools; confidential information - access control; corporate information - using authorization and authentication tools. University websites are backed up once a week.

The information security system provides for data processing: server infrastructure clustering based on virtualization and cloud technologies; modernization of computing resources of computer classes based on modern cloud technologies; modernization of the technical and technological equipment of the classroom fund; corporate centralized line printing system online/offline; situational monitoring center: intelligent video surveillance and access control system; online video conferencing, distance learning systems, Global-classroom (<https://www.topuniversities.com/universities/al-farabi-kazakh-national-university>).

The management of the university and the heads of departments determine the actions necessary to overcome the risks and to eliminate the possibility of inconsistencies. Actions related to overcoming possible risks are approved by the head of the structural unit, indicating the persons responsible for their implementation, the form and procedure for reporting.

Since 2005, the University has been implementing a quality management system (QMS) for the effective management of the EP "Geoinformatics", which was developed on the basis of international standards ISO 9001 and has a certificate of compliance with the requirements of ISO 9001:2015. Within the framework of the QMS, all processes of educational, research, innovation, social, educational activities are regulated by documented procedures, which include the Quality Policy.

The QMS supports the development of a quality culture, the responsibility of all participants in the processes is distributed at all levels of the functioning of the university (departments, faculties, structural divisions, students, employees and teaching staff).

Polling and questioning of all consumers, stakeholders allow assessing satisfaction with the quality of educational programs, disciplines, courses. The survey is conducted by the Center for Sociological Research of Al-Farabi KazNU interactively and online. The results of the survey are regularly discussed at a meeting of the administration and the Academic Council of the University, at meetings of the dean's office and departments, and are presented on the university website (<https://cloud.mail.ru/public/tdBz/TF12YZHxS>).

One of the methods of analysis is the rating of teaching staff, departments and faculties. The electronic form of the indicative plan is available in the IPC "Univer" - the subsystem "Indicative

planning" directly: the teaching staff, the head of the department and directors of departments. The indicative plan of teaching staff and departments includes the main indicators for educational and methodological work, research and innovation activities, social and educational work. At the end of each academic year, teachers, heads of departments fill in the actual values of indicative indicators. For the provision of information in the indicative plans, the performers are personally responsible. The degree of implementation of the indicative plan is determined through the index of achievement of the goal for each indicator, the final one according to the plan is an integral index of achievement of the goal. Assessment of the level of achievement of the indicative plan is one of the points of the rating questionnaire, which allows you to evaluate the activities of a teacher, department and faculty.

IPC "Univer" provides information support and automation of the main functions of managing the educational process: coverage of all stages of the learning process from admission to graduation with the preparation of relevant documents; creating and maintaining up-to-date electronic versions of curricula; organization of synchronous work of all participants in the educational process; registration of students for disciplines; organization of electronic educational document management; formation of an individual learning trajectory; performance monitoring; formation of a data bank with electronic methodological material for each discipline; scheduling classes, exam schedules; organization of a system of statistical reporting and statistical analysis; monitoring and control of user actions, as well as operational management of the software maintenance process.

Within the framework of the EP "Geoinformatics" there is a system of regular reporting, which includes the effectiveness and efficiency of the department and its assessment at the university level. The department prepares annual reports covering all areas of its work: teaching and methodological, research, social and educational activities. Reports are signed by responsible persons and filed in special folders according to the QMS. The structure of the reports is determined by the forms approved by the relevant documented procedures. The frequency, forms and methods of assessing the management of the EP, as well as the planning and organization of the educational process, are fully reflected in the document Academic policy of KazNU (<https://www.kaznu.kz/ru/20484/page/>).

The information and analytical system (IAS) "Science" is designed to automate the accounting, analysis and monitoring of the results of research and innovation activities of teaching staff, undergraduates and doctoral students. IAS provides: information support and automation of the main functions for the operational collection, analysis and monitoring of the results of research and innovation activities of the university in the following business processes: management of scientific personnel and intellectual potential of the university (integration with existing databases on students and employees of the university, statistical information according to the degree of teaching staff and scientific personnel, obtaining information on positions, academic degrees, titles); training and certification of doctoral students and scientific personnel (a system for accounting for scientific training, monitoring, analysis, a management system for training and certification, updating regulations, updating the library of regulatory documents); management of research and development work at the university (keeping records of the number of scientific projects at the university, republican and international levels, recording important scientific results, and forming a reporting system, registering the results of scientific research and design work, as well as accounting for material, financial resources and many others); management of patent and licensing activities (accounting for all scientific developments, statistics, a library of regulatory documents, updating the bank of scientific developments); management of scientific papers and publications (accounting for articles in the Bulletin, in personal profiles of teaching staff, counting articles with an impact factor through the analysis of other Internet resources), generating statistics, monitoring and monitoring the quality of work, and many others, managing activities for the development of scientific and research and innovation activities - conferences, olympiads, seminars (accounting, registration, analysis, statistics, results).

In accordance with the Law of the Republic of Kazakhstan dated May 21, 2013 No. 94-V "On personal data and their protection" and other regulatory legal acts of the Republic of Kazakhstan with the requirements of the country's legislation, the University has developed a document - Consent to the collection and processing of personal data. The documentary approval of the procedures for processing information about the personal data of students, employees and teaching staff is enshrined in the Regulation on the procedure for organizing and carrying out work on the protection of information and the corporate information system of October 12, 2014, the Regulation on the information security of the IT infrastructure of Al-Farabi KazNU. Agreements for the processing of personal data are issued with all employees, teaching staff and students of Al-Farabi KazNU.

The University, in accordance with the regulation on information security, determines the procedure for ensuring the protection of information and responsible persons for the reliability and timeliness of the analysis of information and the provision of data.

Personal information about students is formed upon admission to the program "Univer" in the card index "Personal card of the student". It includes the following personal data: information from the identity card, about education, contact information, orders for the movement of the student, information about employment.

To inform students, the official website of the University and the faculty, reference terminals in educational buildings, wall stands of deans' offices are used, which contain the schedule of classes, schedules of the educational process, schedule of exams, etc. Doctoral students at any time can go to their personal page in the Univer system and track their progress and achievements, and can also read and study announcements and information that come from the departments of the university. Information about the expulsion is communicated to doctoral students through deans, departments, curators-advisers.

The university has established and documented mechanisms for resolving conflicts by students, employees and other interested parties in the "Code of Corporate Culture of a teacher and employee of the Al-Farabi Kazakh National University." (<https://www.kaznu.kz/ru/18288/news/one/20338/>). To resolve conflict situations, a conciliation commission has been created at the University, which employs competent persons who are able to competently determine ways out of the current conflict situation.

Information support for scientific research is carried out through the website of Al-Farabi KazNU (kaznu.kz), University newspaper "Kazakh University" (<https://www.kaznu.kz/ru/3737/page/>), republican and regional media. Information is posted on the University website both in the news section and in thematic sections.

Analytical part

EEC presented evidence of application in Al-Farabi KazNU systems for collecting, analyzing and managing information - a corporate information system (CIS). CIS was developed at the university and represents a set of programs aimed at automating and managing various university business processes. The CIS includes the information and software complex (IPC) "Univer" and the information and analytical system (IAS) "Science".

The logic of multi-level reporting within the university is demonstrated and the rationale for fact-based decision-making methods is presented.

The OO has set the necessary deadlines and regularly evaluates the university's EP.

The university has adopted an information security policy, which reflects the deadlines and responsible persons.

Students, employees and teaching staff document their consent to the processing of personal data in accordance with the requirements of the legislation of the Republic of Kazakhstan and the document developed at the University - "Consent to the collection and processing of personal data".

Students, employees and teaching staff are involved in the activities of the university according to standard rules. The university uses standard electronic tools as internal

communications, as well as the rector's blog. Conflict resolution mechanisms are enshrined in internal regulations.

The collected and analyzed information includes a complete set in terms of the volume provided for by this standard, in general for the university and for the EP in question.

Satisfaction of students and teaching staff is checked by the method of survey and questioning, systematic work in this area and approved regulatory documents are shown. The results of the analysis are presented on the website of the university.

However, the EEC noted that the results of the analysis for 2021 are presented on the website of the university. "Dynamics of the level of student satisfaction". Analysis of the information provided allows us to conclude that the Faculty of Geography and Environmental Sciences revealed a decrease in the level of student satisfaction in 2021, compared to 2020 (<https://cloud.mail.ru/public/tdBz/TF12YZHxS>). The management of the EP did not provide measures to prevent the current situation.

The interview conducted during the work of the EEC showed the dissatisfaction of the students of the EP "Geoinformatics" with the quality of theoretical training, the lack of necessary professional competencies among the teaching staff implementing the EP.

The survey revealed problems regarding the quality of teaching: "The shortage of teachers in geoinformatics in general."

Strengths/best practice – none.

EEC recommendations:

- the management of the EP to ensure high-quality teaching of special disciplines of geoinformation orientation and programming at a high professional level. Deadline: 2023-2024 academic year.

The conclusions of the EEC according to the criteria: strong positions - 0, satisfactory - 16, suggest improvements - 1, unsatisfactory - 0.

6.3. The standard "Development and approval of the educational program"

Evidence

The EEC members note that the management of the EP "8D07302 Geoinformatics" quite clearly and understandably presented the process of developing an educational program in accordance with the state compulsory education standards. The developed program is presented on the university website at https://welcome.kaznu.kz/ru/education_programs/doctorate/speciality/1661. The EP "8D07302 Geoinformatics" posted on the website includes a graduate model, a program passport, compulsory and elective disciplines with an indication of the goal and content, professional practices with a description of the goal and content.

The EP submitted for accreditation is aimed at training competitive specialists with knowledge, skills and abilities, professional competencies, fundamental knowledge in the chosen field of professional specialization and the formed skill of independent organization of further education. The development and approval of educational programs are regulated by the "Procedure for the development and approval of educational programs of higher and postgraduate education", approved by the US. The university has a mechanism for evaluating the EP in the process of its formation. The internal evaluation of the EP is carried out at the level of: Expert Councils for the management of the EP, the Academic Council of the Institute, the Academic Council of the university and is approved by the rector.

The formation of the graduate's competencies as a whole form the model of the graduate. The graduate model is formed at the stage of preparation of the EP and is reflected in the Passport of the educational program. The passport prescribes qualification requirements in the format of

learning outcomes, analyzes the needs of the labor market for graduates of this EP, the field of professional activity of the EP graduate, describes the advantages and features of the EP in terms of positioning in the educational services market.

The presented EP provides the proper level of qualification, measurable by the achieved learning outcomes, and the content of the program, which ensures the achievement of results as a system of qualification requirements, is based on internationally recognized scientific knowledge.

On the Al-Farabi KazNU website presents a graduate model (https://welcome.kaznu.kz/ru/education_programs/doctorate/speciality/1661), which describes learning outcomes and personal qualities.

The bases for passing professional practices by students of the accredited EP are: "Kazakhstan agency of GIS and remote sensing" LLP; GIS Terra LLP; 2GIS city information service; "GIS Center Kazakhstan" JSC; "National Cartographic and Geodetic Fund" RGKP; "Institute of Geography" JSC; Institute of Space Engineering and Technology of the Republic of Kazakhstan; DTOO "Institute of Space Research"; RSE "GISKHAGI"; JSC "Kazgeokosmos" (<https://www.kaznu.kz/ru/25170/page/>).

Submitted EPs represent an approved set of modules or course units required for the award of a Doctor of Philosophy (PhD) degree. The EP "Geoinformatics" is implemented and evaluated on the basis of the approved credit transfer table in ECTS. The content of the doctoral study program consists of basic and major disciplines and includes the disciplines of the university component and the elective component. The passage of professional practices by students (pedagogical and research) within the framework of mastering the EP is based on the concept of practical training, which involves the continuous formation of practical skills and competencies throughout the entire period of study at the university.

In the process of developing an educational program and monitoring educational activities within the framework of the EP, all interested parties are involved, including employers from among the representatives JSC "Institute of Geography and Water Security", RSE "State Institute of Agricultural Aerial Photogeodetic Surveys", DTOO "Institute of the Ionosphere" JSC "National Center for Space Research and Technology", LLP "Smart GIS".

The management of the EP refers to the competitive advantages of the EP: the definition of one's own educational trajectory, which forms interdisciplinary skills beyond the chosen professional trajectory and provides additional skills; interdisciplinarity, which implies a close relationship between political and economic, ethno-cultural and other processes, a combination of megatrends, national and regional studies, innovative approaches and the latest developments in the theory of geoinformatics and their connection with practical cases; the availability of theoretical courses that cover new approaches and allow students to use the received empirical material in the framework of new theories and have a more comprehensive understanding, better master competencies at all levels. Students have the right to independently search for a base of professional practice and initiate the conclusion of an internship agreement, provided that the proposed base of practice corresponds to the profile of the educational program and the expected learning outcomes under the program in terms of the formation of practical skills and abilities.

Analytical part

Al-Farabi KazNU defined and documented the procedure for the development and approval of the EP, established the structure, frequency, forms and methods of quality assessment.

The management of the EP has created the necessary infrastructure, consisting of specialized classrooms, computer classes, and special rooms. The material and technical support for the implementation of the EP "Geoinformatics" is at the current level of technological development of geoinformatics and related industries.

The accredited study program undergoes internal and external examination. External experts are heads of various scientific institutes, employers, foreign specialists.

The external evaluation of the EP is represented by positive feedback:

- "Doctoral students learn to understand scientific and research problems that border on

several disciplines, to adapt and develop the ability to communicate in interdisciplinary and international teams." Deputy Director of the RSE "GISKHAGI" Azizov E.A;

- "Students acquire theoretical knowledge and practical skills not only in geography and mathematics, but also in the field of programming. And close cooperation with scientists and employees of industrial enterprises allows the graduate to study various scientific fields, at the junction of which geoinformatics works." Deputy Chairman of the Board of JSC "Institute of Geography and Water Security" S.K. Alikmulov .

Industrial practices are carried out on the basis of scientific institutes and organizations, the direction of which is related to the future professional activities of doctoral students. Pedagogical and research practices involve the continuous formation of practical skills and competencies throughout the entire period of study at the university.

The labor intensity of the considered EPs is presented in Kazakhstani credits and ECTS.

In the work programs of disciplines and practices, there is a correspondence between the content of disciplines and the planned results.

The management of the EP is evidence of passing professional certification by students, which was confirmed in the process of interviewing doctoral students by members of the EEC.

However, the leaders of the EP presented to the members of the EEC the developed educational program and the curriculum of the doctoral program "8D0730 - Geoinformatics", approved by the acting . Vice-Rector for Academic Affairs A.K. Khikmetov dated April 29, 2019, protocol No. 8. The developers of the doctoral study program "8D0730 - Geoinformatics" are senior lecturers without a degree Kozhakhmetova U.K., Turapova R.O.

There is no information on the uniqueness of the educational program on the university website, there is no positioning in the educational market (regional/national/international) (https://welcome.kaznu.kz/ru/education_programs/doctorate/speciality/1661#passport).

Strengths/best practice – none.

EEC recommendations:

- *the management of the EP "8D07302 - Geoinformatics" to determine the benefits of the accredited EP in accordance with the national priorities and development strategy of the PA. Features and uniqueness of the EP to be published on the university website by the 2023-2024 academic year.*

- *the management of the EP to update the educational program "8D0730 - Geoinformatics" in accordance with the documented procedure for the development and approval of the EP in NJSC Al-Farabi KazNU.*

The conclusions of the EEC according to the criteria: strong positions - 0, satisfactory - 11, suggest improvements - 1, unsatisfactory - 0.

6.4. The standard "Continuous monitoring and periodic evaluation of educational programs"

Evidence

The management of the EP conducts regular monitoring and evaluation of its educational programs in accordance with accreditation criteria, in particular, procedures are carried out with the participation of interested parties (doctoral students, employers, teachers) based on: analysis of curricula, individual curricula of students, internal regulations governing the implementation of educational programs, their monitoring and evaluation; protocols of collegiate bodies and meetings of the department; interviewing and questioning students, teaching staff and stakeholders; results of monitoring the activities of support services.

Monitoring is carried out in the following areas: educational programs, teaching staff

activities and teaching effectiveness, students and conditions for their personal development, research activities and its effectiveness, material and technical, library and information resources.

updated in accordance with the change in the State Educational Standard, the introduction of new directions and elective courses, the requests of employers and students. The frequency of revision of the curriculum and programs of academic disciplines in accordance with the regulations of internal regulatory documents, after discussing the changes made, expert reviews, at meetings of the departments.

In order to determine the level of satisfaction of doctoral students with the process and conditions of study at the university, their needs are systematically monitored. The results of the satisfaction assessment are monitored through the implemented feedback mechanisms (<https://www.kaznu.kz/ru/20587/page/>).

Questioning is provided at the university on an ongoing basis:

- Questioning "Teacher through the eyes of students" - conducted annually on the basis of the autumn and spring semester;
- questionnaire "Evaluation of the effectiveness of courses" - conducted at the end of the course;
- a sociological survey of graduates of the Kazakh National University. al-Farabi "Support your Alma Mater "- held annually;
- survey "Student satisfaction assessment" based on the methodology of QS University Rankings Methodology (Student Satisfaction) - held annually;
- survey of teachers "Teacher through the eyes of colleagues" - conducted annually;
- Questionnaire "Curator- advisor through the eyes of students" - conducted annually;
- Questioning "Social adaptation of first-year students" - is carried out annually.

The University has a project recommended by the International Accreditation Agencies "University Through the Eyes of Students".

The university maintains a blog of the rector, where each student can write his wish, ask questions of interest, and there is also a time for receiving students. Also, the head of the department and the dean of the faculty are daily involved in considering students' applications and in finding a solution to the issue.

The university organizes regular meetings of the university management with students. Informal meetings are held to discuss topical issues and strengthen relations. During the meeting, everyone can ask the director their questions, discuss problems. It also uses feedback mechanisms (survey, interviews, questionnaires) developed by the departments.

Educational achievements (knowledge, abilities, skills and competencies) of students are evaluated in points corresponding to the letter system accepted in international practice with a digital equivalent: positive marks, in descending order, from "A" to "D" (100-50), and "unsatisfactory" - "FX" (25-49), "F" (0-24); and assessments according to the traditional system (<https://www.kaznu.kz/ru/20484/page/>).

The information collected as a result of monitoring is analyzed and brought into line with modern requirements, the latest trends in a particular discipline, and the changing needs of society. The changes made are approved by the minutes of the meetings of the department, the CC of the Institute and the CC of KazNU .

The normative documents of the university, adopted by the academic council, determine the response to changes in the needs of society and the professional environment, which is confirmed by the relevant section of the website with the normative documents of the university.

Educational programs and work programs of disciplines fully provide the necessary workload, assessment of progress and the release of trained specialists. The effectiveness of student assessment procedures is based on constant monitoring and participation of stakeholders in the development of the EP.

Students through feedback mechanisms can communicate their expectations and needs to management, and student satisfaction is measured by regular questionnaires. All this is achieved through the educational environment and support services (on the website).

Analytical part

The analysis of the procedures for monitoring and periodic evaluation of the EP is carried out on the basis of: analysis of the EP of students, internal regulations governing the implementation of educational programs, their monitoring and evaluation; protocols of collegiate bodies and meetings of departments; interviewing and questioning students, teaching staff and stakeholders; results of monitoring the activities of support services.

The survey conducted during the work of the EEC demonstrated the participation of students, employers and other stakeholders in the revision of the EP, namely: the content of the program in the context of the latest achievements of science and technology in a particular discipline, for example, the software proposed by doctoral students was introduced into the educational process.

Questioning and interviewing students showed that their participation in the revision of the EP is limited to monitoring their satisfaction with the availability of software. Therefore, the EEC recommends taking into account the opinions of doctoral students on the overall quality of curricula and teaching methods in general at the stage of designing and discussing the EP by inviting departments to meetings and including them in working groups.

However, the EEC revealed a lack of published information about changes to the EP, which does not allow timely informing stakeholders about any planned or undertaken actions within the EP

Strengths/best practice – none.

EEC recommendations

- the management of the EP to develop a procedure for constantly informing all interested parties about any planned actions taken within the framework of the EP with the publication on an ongoing basis of information about the changes undertaken within the framework of the EP on the university website and in social networks and the media.

- the management of the EP on an ongoing basis to involve students in the revision of the EP at the design and discussion stage by inviting departments to meetings and including them in working groups, improve forms of cooperation with stakeholders on updating the content and structure of educational programs . Deadlines: starting from the 2023-2024 academic year.

The conclusions of the EEC according to the criteria: strong positions - 0, satisfactory - 9, suggest improvements - 1, unsatisfactory - 0.

6.5. The standard " Student-Centered Learning, Teaching and Assessment"***Evidence***

The student-centered policy of the university has a well-thought-out structure and is based on a number of regulatory documents that provide equal opportunities for students, regardless of the language of instruction, to form an individual educational program aimed at developing professional competence. Student-centered learning *is* a fundamental principle in higher education: a shift in emphasis in the educational process from the “translation” of teaching staff knowledge to the development of student cognitive activity. including on the academic policy of the university, approved by the decision of the Academic Council, protocol No. 1 of September 29, 2022.

Al-Farabi KazNU in "Geoinformatics" is a discrete step-by-step training for undergraduate-master's-doctoral programs, which has a positive effect on the quality of training in the EP "8D07302 - Geoinformatics" .

In accordance with the student-centered system of education, there is an emphasis on the interests of the student, a trilingual system of education has been introduced - Kazakh, English,

Russian.

The university has an academic service - "Office Registrar", which collects and analyzes data to build a student-centered learning model. "Office Registrar" is engaged in registration of the entire history of educational achievements of students and provides the organization of all types of control and calculation of the academic rating.

Al-Farabi KazNU has a Student Service Center " Keremet " " Al-Farabi university smart city " is a youth resource center for students, providing educational, medical, legal, financial, cultural and entertainment services on a one-stop basis. The infrastructure of the center is located on 7300 sq.m. and consists of 8 pavilions, 5 sectors and departments. One of the most multifunctional sectors is the educational sector, which operates on the principle of "One Stop Shop". Here, services for students and faculty are provided by: the student department, the international department, the registrar's office, the passport office and the financial service.

For medical examination of students and faculty of KazNU . Al-Farabi opened the international Kazakh-Korean Diagnostic Center. Treatment and consultations are carried out by doctors: therapist, pediatrician, ophthalmologist, otorhinolaryngologist, neuropathologist, urologist, obstetrician-gynecologist, gastroenterologist, cardiologist, orthopedic rheumatologist. After graduating from the university, students can also find here the support of specialists from the administrative, social and domestic sector of the CSP Keremet on employment issues. In addition to employment, the administrative, social sector, banks, a notary, a lawyer, travel companies, air and railway cash desks offer their services.

The center paid special attention to youth policy, bringing together student public organizations in the youth sector. In their free time, students can receive the services of the shopping and entertainment sector: visit a cinema, cafe, bookstore, supermarket, photo studio, fast-food , beauty salon, laundry.

In the university as a whole and in the accredited EPs, students have the opportunity to independently form their own learning paths in accordance with the obligations that the university assumed during the transition to European standards. For the considered EP, various forms and methods of teaching and learning are used.

Despite the need to carry out their own research in the field of teaching methods of academic disciplines , such research is not conducted in the proper volume at the Department of Cartography and Geoinformatics.

The university website contains the document "Anti-Corruption Activities", which provides information on measures to promote integrity, prevent and combat corruption, taken at KazNU . Al-Farabi (<https://www.kaznu.kz/content/files/pages/folder20668/Anti-corruption%20activities%20KazNU.pdf>).

The transparency and objectivity of the mechanism for assessing learning outcomes for each EP, including appeal, is regulated by the normative document of the university.

The university ensured proper compliance of the procedures for evaluating the learning outcomes of students of the EP with the planned learning outcomes and the goals of the program. The criteria and methods of assessment within the framework of accredited EPs are determined by the work programs and the Academic Policy of the university.

Teachers of accredited EPs regularly attend advanced training courses that address the issues of applying modern methods for assessing learning outcomes.

Analytical part

In the course of interviewing students, EEC revealed that they were provided with the opportunity to evaluate the educational process through a questionnaire. The material and technical support of the educational process was provided at a high level.

The Department of C&G , which implements the EP, has documented the presence of academic mobility, scientific internships for doctoral students.

The management of the EP uses standard methods and forms of education and innovative technologies in education. The university has approved a mechanism for responding to complaints

and suggestions.

The mechanisms of objectivism in evaluating learning outcomes at the university are present, the possibility of appeal for students was confirmed during interviews.

Online communication with students revealed that the Al-Farabi KazNU has the Keremet Student Service Center, which provides educational, medical, legal, financial, cultural and entertainment services on a one-stop basis.

EEC submitted documents on the passage of teaching staff, implementing the accredited EP, advanced training courses at the republican and international levels. The advanced training of the teaching staff takes place in accordance with the main activities of the department: conducting scientific research and teaching disciplines in the field of GIS and remote sensing.

Interviews and questionnaires with doctoral students showed the lack of high-quality teaching of EP disciplines that ensure the achievement of the objectives of the EP, based on modern achievements of world science and practice in the field of training

Interviews with the teaching staff and analysis of the submitted documents showed the absence of the teaching staff's own research in the field of teaching methods for academic disciplines in accredited EPs.

Strengths/best practice – none.

EEC recommendations:

- *the management of the EP to prepare a plan 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 and proceed with its implementation. Ensure the dissemination of information about the results of their own research. Deadline: until 2025*

- *the management of the EP to ensure teaching based on modern achievements of world science and practice in the field of geoinformation industry, the use of various modern methods of teaching and evaluating learning outcomes that ensure the achievement of the objectives of the EP. Deadline: by the beginning of the 2023-2024 academic year.*

The conclusions of the EEC according to the criteria: satisfactory - 8, suggest improvements - 2.

6.6. The standard "Students"

Evidence

Al-Farabi KazNU trains PhD doctoral students in credit technology of education, the main task of which is to develop students' abilities for self-organization and self-education based on the choice of the educational trajectory as part of the regulation of the educational process and taking into account the amount of knowledge in the form of loans.

The university for an accredited educational program has regulatory documentation that covers the entire life cycle of education - from admission to completion of training and dissertation defense. The website of the university contains the necessary set of normative documents and acts. The Academic Policy (<https://www.kaznu.kz/content/files/pages/folder20484/Academic%20policy.pdf>), presented on the university website, regulates the organization and conditions for the implementation of educational programs at all levels of education (higher and postgraduate education):

- admission to training;
- planning the educational process;
- registration for disciplines and the formation of an individual plan;
- attending training sessions;
- research work;

- control and evaluation of educational achievements of students;
- professional practice;
- academic mobility and credit transfer ;
- final examination;
- transfer and restoration of students;
- release of students;
- employment of students.

Scientific guidance of doctoral students for the degree of Doctor of Philosophy (PhD) is carried out by consultants in the amount of at least 2 people, one of whom is a scientist from a foreign university. Scientific consultants and topics of doctoral dissertations are reviewed and approved by the Academic Councils of faculties / research institutes, the Academic Council of the University and the order of the Rector of the University. Scientific advisers are appointed within the first two months after enrollment, doctoral dissertation topics - during the first semester of study. Doctoral students undergo a foreign scientific internship at the university of a foreign supervisor. Total duration of internships: at least 90 days - in neighboring countries; at least 75 days - in non-CIS countries (except for the USA, Canada, Mexico, Australia and Oceania, Japan, Great Britain - 60 days).

The EP was developed by the Department of C&G in accordance with the National Qualifications Framework, professional standards, Dublin descriptors and the European Qualifications Framework.

Informing students about the requirements of the educational program and the specifics of its implementation is carried out through information resources of the university, faculty, departments, as well as through curators- advisers of academic groups, employees of dean's offices, specialists of the Registrar's Office:

- The official website of Al-Farabi KazNU(<http://www.kaznu.kz/ru>), containing information about the activities of KazNU , explaining the essence of all processes related to this activity, and ensuring the rights of citizens to free access to information regarding the activities of the university in in general;

- a portal for students, teachers and administrative staff working with the student body (<https://univer.kaznu.kz>). This site conducts a survey of students assessing the quality of teaching, as well as a survey of teachers.

- Website for applicants (<http://welcome.kaznu.kz/en/>), which was created for all interested persons to enter the university. The site provides information on educational programs, disciplines studied and their content.

Links for students:

- Doctorate - http://welcome.kaznu.kz/ru/education_programs/doctorate/ ;

- Information for foreign applicants - <http://welcome.kaznu.kz/en/welcome/foreign> .

KazNU has an academic service - "Office of the Registrar" - and the Keremet Student Service Center , which provide educational, medical, legal, financial, cultural and entertainment services on a one-stop basis.

NAO Al-Farabi KazNU provides students with conditions for self-education and development outside the main program.

The University conducts regular monitoring of the employment of graduates and, with the help of a questionnaire, a survey of employers is conducted.

Analytical part

The procedures governing the life cycle of students (from admission to completion) are defined, approved by the academic council and published on the university website. The university has a system of adaptive support for students, a registrar's office, and advisory services .

The university pays significant attention to the adaptation of enrolled students, much attention is paid to the work of familiarizing students with the norms and values of the university.

The university presented normative documents and actions of the university under the

Lisbon Recognition Convention.

The university has a mechanism for organizing academic mobility in the form of an internal regulatory document, as well as examples of academic mobility within the framework of the study program under consideration.

The university has an Alumni Association that promotes the activities Al-Farabi KazNU in the training of specialists of a new formation and in establishing mutually beneficial relations between the university and its graduates.

The meeting of the members of the expert commission with employers confirmed the excellent opportunities of the university to provide students with internship places, promote the employment of graduates, and maintain contact with them.

Members of the EEC during meetings with teaching staff and doctoral students established a high motivational component of the professional and personal development of students.

The university has demonstrated the ability to provide students with internship places, promote the employment of graduates, and maintain contact with them.

The meeting of the members of the expert commission with employers confirmed the excellent opportunities of the university to provide students with internship places, promote the employment of graduates, and maintain contact with them.

The university conducts full-fledged work on monitoring the employment of graduates and the availability of feedback from employers.

Strengths/best practice

- the management of an educational organization in the context of the accredited EP demonstrated a high motivational component of the professional and personal development of students.

EEC recommendations - no.

Conclusions of the EEC according to the criteria: strong - 1; satisfactory - 11.

6.7. The standard "Teaching Staff"

Evidence

The teaching staff is the main resource for ensuring the Mission of the University, which "consists in the formation of human resources - competitive and in-demand specialists in the national and international labor markets." The formation of highly qualified human resources is one of the main priorities of the KazNU Development Strategy. The university implements personnel policy in accordance with legislative acts, internal regulations and approved procedures. The personnel policy is carried out through regular competitions for filling vacant positions of teaching staff on the basis of the requirements set forth in the regulatory document "Rules for the competitive filling of positions of faculty and researchers of NJSC Al-Farabi Kazakh National University", approved by the Decision of the Board of Directors of NAO " Al-Farabi Kazakh National University.

Recruitment is carried out on the basis of an analysis of the needs of the EP. The main criterion is the effectiveness and quality of teaching. The University evaluates the the level of competence of the teacher. When hiring, the requirements for qualifications corresponding to education, the presence of an academic degree and title are taken into account, the total experience, experience of scientific and pedagogical work, the presence of scientific and methodological works, publications in republican and international publications, participation in research conducted as an initiative, as well as under contracts with enterprises and organizations.

The implementation of accredited EPs is provided by teaching staff who are systematically engaged in scientific and / or scientific and methodological activities.

According to the University Development Strategy, achieving a high level of education is

achieved through improving the quality of the EP implementation, raising the professional level of teaching staff and inviting foreign teachers and business partners from the real sector of the economy. Within the framework of the EP, in order to improve the quality of teaching and ensure the connection between the university and the enterprise, practitioners are invited to the vacant positions of the teaching staff - highly qualified employees of companies and organizations with experience in the relevant industries and continuing to work part-time: Abitbayeva A.D. - Candidate of Geographical Sciences, Senior Researcher, Valeev A.D. – senior researcher, Halykov E.E. - senior researcher, Togys M.M. – Researcher (JSC “Institute of Geography and Water Security”); Taukebaev O.Zh. - Senior Lecturer, Deputy Director of the Scientific and Educational Center for Remote Sensing of the Earth; Koishygarin A.T. - employee of the company " Geokurs ", Rakhymbay Z.S. - Executive Director of Alidada .

The University developed and approved regulations on structural subdivisions and job descriptions of the teaching staff of the University .

All employees of the Department of C&G are familiar with the Qualification characteristics of the positions of teaching staff and scientists. The main criteria for assessing teaching staff are:

- a) Academic training;
- b) Professional training;
- c) capacity;
- d) Personal qualities;
- e) Communication skills in three languages;
- f) Designated goals for the probationary period;
- g) Skills for future development;
- h) Availability of required competencies;
- i) Employee motivation for further development.

For the 2022-2023 academic year, 52 teachers work at the Department of Cartography and Geoinformatics, including 4 Doctors of Science, 9 Candidates of Science, 6 PhDs and Masters of Science, 15 part-time teachers. The share of full-time teaching staff is 53%. The ratio of teachers with a scientific degree to the total composition of the department is 44.6%; the average age of the teaching staff of the department is 42 years.

The university has developed mechanisms for the systematic assessment of the competence of teachers based on the results of the teaching staff rating and sociological research: "Teacher through the eyes of colleagues", "Teacher through the eyes of students", "Clean session". In order to improve the competence of teaching staff, employees and management, QMS trainings are organized.

The management of the EP is aware of the responsibility for the staff of the department and provides them with favorable working conditions, allowing to ensure the safety of life and health in the workplace, to achieve the proper quality of the educational process at Al-Farabi KazNU . The university regularly monitors the satisfaction of teaching staff with working conditions, the quality of student training, educational infrastructure and everything that affects the quality of education.

The university has developed internal regulations governing the organization and support of research work, participation in R&D and innovative projects, providing ample opportunities for professional development of the teaching staff of the EP.

At the Department of C&G, research work is carried out with the involvement of doctoral students and teachers and staff are involved.

To motivate and encourage teachers to active research activities, the following provisions have been introduced: on remuneration, material incentives and social support for university employees; on remuneration of employees and students for publications in rating (peer-reviewed) scientific journals.

In 2020, one of the developers of the Geoinformatics program Kakimzhanov E.Kh. based on the publishing house " Kazakh Universiteti » published a monograph « Agrolandscapetardyn geoakparattyk-cartographylyk negizi » (<https://www.kaznu.kz/ru/24610/page/>).

The system of advanced training and professional development of the teaching staff of the EP contributes to ensuring the quality of the classes. In order to improve professional competence, advanced training courses are provided. Teachers of the department are actively working to improve their scientific qualifications, defend doctoral dissertations. The teachers of the department took an active part in the organization and work of scientific conferences and seminars.

Analytical part

The management of educational programs provided comprehensive information about the teaching staff of the C&G department, proof of the transparency of personnel policy, career opportunities and professional development of staff.

The leaders of the EP - the head of the department and the dean, have all the powers and are engaged in ensuring favorable working conditions for the teaching staff.

The leadership of the EP is making the transition to a student-centered model of learning, which involves a change in the role of the teacher.

Teachers-employees of industrial organizations and scientific workers of scientific research institutes are involved in teaching on accredited EPs.

The university website presents academic mobility and internships of the teaching staff of the department (<https://www.kaznu.kz/ru/26651/page/>).

Leading professors from around the world are invited by the management of the EP to supervise the work of doctoral students.

KazNU provides career opportunities for teaching staff. The development motivation for teaching staff is determined by the rating system of the university.

EEC notes the motivational component of the professional and personal development of EP teachers for the teaching staff of the C&G department: foreign internships, advanced training, scientific grant research, scientific publications in high-ranking publications. The management of the EP motivates teachers to increase their publication activity in leading foreign publications with a high impact factor, to register the results of intellectual activity.

Members of the EEC note that advanced training courses in the specialty (period 2019-2023) of teaching staff are held at the Institute for Advanced Studies and Additional Education of Al-Farabi Kazakh National University.

The interview conducted during the work of the EEC showed the dissatisfaction of the students of the EP "Geoinformatics" with the quality of theoretical training, the lack of necessary professional competencies among the teaching staff implementing the EP.

The survey revealed problems regarding the quality of teaching: "The shortage of teachers in geoinformatics in general."

The members of the EEC revealed that the staff of the C&G department does not have teaching staff with a basic education in geoinformatics.

Questioning of teaching staff, conducted during the visit of the EEC, showed that: 64.7% of respondents assessed the improvement of qualifications of teaching staff as "very good", 31.8% - "good"; 68.2% of the surveyed teaching staff assess academic mobility as "very good", 30.6% - "good"; 54.1% of respondents rate the opportunities provided by the university for the career growth of teachers as "very good", 43.5% "good"; the attention of the management of the educational institution to the content of the educational program is assessed by 68.2% of the respondents as "very good", 29.4% "good"; the level of stimulation and involvement of young specialists in the educational process is assessed by 63.5% of respondents as "very good", 34.1% "good"; satisfies the content of the educational program Your needs are assessed by 75.3% of respondents as "very good", 24.7% "good"; to what extent the content and quality of the implementation of the educational program correspond to the expectations of the labor market and the employer, 61.2% of respondents assessed it as "very good", 38.8% "good".

Strengths/best practice – none.

EEC recommendations

- to the management of the EP to supplement the staff of the Department of Cartography and Geoinformatics (CG) with a competent teaching staff with basic education, with modern knowledge in the field of geoinformation technologies and programming. Deadlines: 2023-2024 academic year;

- to the management of the EP to provide internships on modern geographic information systems and technologies in the leading scientific centers of the Republic of Kazakhstan and / or with foreign partners. Deadline: by the beginning of the 2023-2024 academic year.

The conclusions of the EEC according to the criteria: satisfactory - 9, suggest improvements - 1.

6.8. The standard "Educational resources and student support systems"**Evidence**

Material and technical resources and infrastructure at . Al Farabi KazNU corresponds to the mission, goals and objectives of the university. The university conducts constant systematic work to update and improve material and technical resources, there are structural divisions that assist students in organizing the educational process and support various groups of students in solving social issues: directorates of institutes; departments; registrar's office; department of international cooperation; science Library; department of student affairs; department of information systems; auditoriums for lectures and practical classes, specialized classrooms and laboratories, computer classes, a geocamera and other administrative and service premises.

For online lectures, online conferences, technical equipment and software "Microsoft Teams", "Zoom", "BigBlueButton", "https://dl.kaznu.kz/" are used. By means of the specified software, it is possible to conduct and attend training courses, meetings, presentations, trainings for groups from one to several dozen users at the same time.

The Al-Farabi Library is a structural subdivision of the Al-Farabi Kazakh National University, providing information and library services for educational, research processes for 25 thousand students and undergraduates studying at 16 faculties of the university and 3000 people, teaching staff and university staff. There are 3 departments in the structure of the Library, in which 82 employees work: department for the acquisition and storage of fixed assets; information service department; management of automation of library and information processes (<http://elibrary.kaznu.kz/ru/node/70>).

The largest university library in the country, the fund of which contains about 3 million copies of books. Fund of the electronic library of its own generation with a full-text database (DB).

To subscription databases and perpetual access to electronic books of the world's largest publishers (EBooks) in the EBSCO, Springer, Elsevier databases, as well as to the Polpred full-text database , the IPRbooks electronic library system , domestic databases " Zan - Law", "Epigraph" (<http://elibrary.kaznu.kz/ru>).

The structure of the KazNU library :

- Classical reading room with an area of 1850 m² for 800 seats;
- Subscriptions, working on the principle of "one window", serving all readers of the university, regardless of the faculty;
- Hall of the electronic library for 270 seats with a conditional division into zones (multimedia, Internet zone, zone for working with graphic programs, zone for working with electronic resources, zone for working with personal laptops);
- Hall of undergraduates, the dissertation fund, which is constantly replenished with new works and currently consists of 7867 copies of dissertations, 11407 abstracts;
- Hall of periodicals, where you can get access to the fund of periodicals, numbering 250 titles of domestic and foreign, incl. Russian magazines for three years and 56 newspapers for the

current year (<http://elibrary.kaznu.kz/ru/node/81>);

- Hall of rare and valuable publications, where rare books and manuscripts dating back to the 16th-21st centuries are kept. In 2017, for the first time, an electronic card index of the fund of rare and valuable books was created, with more than 19,000 documents;

- The Hall of the First President, which was opened in 2017, is a kind of educational center, the tasks of which are to create, constantly replenish and store an information array on the history of the formation and strengthening of the independent statehood of Kazakhstan;

- Book corner of the countries of the world, introducing the readership to the history and literature of different peoples and countries, representatives of which study at the university and cooperate with KazNU ;

- Club of scientists - a hall designed for meetings, seminars, presentations of books by university scientists;

- Al-Farabi Center, engaged in the study of the scientific heritage of al-Farabi;

- Museum of al-Farabi, dedicated to the life and work of the greatest philosopher, scientist-encyclopedist of the second half of the 10th century Abu Nasr al-Farabi at Turki, whose name the university has worthily borne since 1991;

- 4 conference halls for 300, 80, 60 and 50 seats, equipped with modern equipment.

- Communication and relaxation halls for readers to relax;

- Cafe for 75 seats;

The Al-Farabi Library is actively mastering the latest technologies. The library has implemented an automation system based on RFID technology, as a result of which the issues of integration of the automated library and information system (ABIS) "IRBIS 64" and the use of university unified identification cards for employees and students of the university (ID-card) as library cards have been implemented.

The university has an academic service - "Office Registrar". "Office Registrar" is engaged in registration of the entire history of educational achievements of students and provides the organization of all types of control and calculation of the academic rating.

Al-Farabi KazNU has the Keremet Student Service Center - a youth resource center for students that provides educational, medical, legal, financial, cultural and entertainment services on a one-stop basis. The infrastructure of the center is located on 7300 sq.m. and consists of 8 pavilions, 5 sectors and departments. One of the most multifunctional sectors is the educational sector, which operates on the principle of "One Stop Shop". Here, services for students and faculty are provided by: the student department, the international department, the registrar's office, the passport office and the financial service.

For medical examination of students and faculty of Al-Farabi KazNU opened the international Kazakh-Korean Diagnostic Center. Treatment and consultations are carried out by doctors: therapist, pediatrician, ophthalmologist, otorhinolaryngologist, neuropathologist, urologist, obstetrician-gynecologist, gastroenterologist, cardiologist, orthopedic rheumatologist. The center paid special attention to youth policy, bringing together student public organizations in the youth sector. In their free time, students can receive the services of the shopping and entertainment sector: visit a cinema, cafe, bookstore, supermarket, photo studio, fast-food , beauty salon, laundry.

Syllabuses , lecture notes, guidelines have been developed for all disciplines of the EP . When conducting training sessions in disciplines and during practices, modern geodetic and photogrammetric instruments, modern software are used. For three levels of training, advanced modern equipment from Leica Geosystems Kazakhstan is used. Leica Geosystems for geospatial measurements and processing.

The university checks papers for anti-plagiarism.

The university management has outlined areas for further improvement:

- update the content of educational and methodological literature on the educational portal of the university, including maps of the provision of educational, methodical and scientific literature in the context of disciplines;

- update the content of the EP, taking into account the requirements of the market and potential employers, as well as taking into account the transformation of Al-Farabi KazNU into a research university.
- consider the possibility of concluding agreements with research centers of universities in leading countries to implement the strategy of Al-Farabi KazNU to transform into a research university;
- consider the possibility of concluding agreements with foreign and national training centers for conducting certified courses as part of online learning in English;
- to consider the possibility of concluding agreements for the use in the university library of the database of statistical data of international organizations (UN, EU) and the world's leading think tanks.

Analytical part

The EEC confirms the existence of educational resources and a student support system. A modern information infrastructure has been created at the university, and a high level of its availability has been ensured.

Logistics and infrastructure are shown sufficiently, but no attention is paid to information on students with disabilities.

The educational process is equipped with modern material and technical resources: modern equipment and software are available.

The presented documents convincingly show the use of modern equipment and software in theoretical training, in the performance of scientific work by doctoral students and in the performance of professional practices in partner organizations.

During the EEC, experts were presented with documents on cooperation with leading organizations in the industry, video materials describing material and technical resources, visiting practice bases. During interviews with the leaders of the research institute and center, faculty, alumni and doctoral students, information about educational resources and the student support system was confirmed.

As a result of the student survey, 64.8% are completely satisfied, 29.7% are partially satisfied with informing students about courses, educational programs, and academic degrees; 49.5% are completely satisfied, 31.9% are partially satisfied with the provision of students with a hostel, partially dissatisfied 13.2; 63.7% are completely satisfied, 27.7% are partially satisfied with classrooms, auditoriums for large groups; 62.6% are completely satisfied, 28.6% are partially satisfied with the availability of computer classes and Internet resources; 64.8% completely satisfied, 28.6% partially satisfied the overall quality of the curricula, 6.6% are partially dissatisfied.

In the course of the work of the EEC, the absence of a plan to take into account the needs of various groups of students in the context of the EP (adults, working, foreign students, as well as students with disabilities) was revealed, it was noted that there were no ramps near some buildings, which does not allow taking into account the needs of certain groups of students, for example, with special educational needs.

Strengths/best practice – none.

EEC recommendations:

- the management of the OO develop a plan to take into account the needs of various groups of students in the context of the EP (adults, working, foreign students, as well as students with disabilities). The implementation period is by the 2023-2024 academic year.

Conclusions of the EEC according to the criteria: satisfactory - 12, suggest improvements - 1.

6.9. The standard “Public Information”

Evidence

Information about the activities of Al-Farabi KazNU and the implementation of educational programs is posted on the official website. The official website of the university (<https://www.kaznu.kz/ru>) is presented in the state, Russian, English languages with modern navigation and provides access to internal and external electronic resources.

The KazNU website is the main source of informing the public about the detailed content of educational programs, mission, tasks and procedures of the university. The site contains information about the activities of the university, quality policy and educational programs. The university website contains the main documents regulating educational activities: the Development Strategy of KazNU, the Policy of the Al-Farabi Kazakh National University in the field of quality, Academic policy, etc.

The priority areas of the university's activities, as well as its achievements in providing students with quality education and scientific work, are presented on the page "Guarantees for the quality of education". On the website of the university there is a "Rector's Blog", in which everyone can ask a question to the first head of the university and get an answer.

In addition to the main site, there is a public information system on the Internet, consisting of publications in social networks (in Contact, Youtube, Facebook, Instagram).

The University publishes information about the EP "8D07302 - Geoinformatics" on the official website of the University <https://www.kaznu.kz/ru/25170/page/>, which includes: the purpose of the EP; qualification and, which will be awarded upon completion of the educational program; a description of the advantages and distinctive features of the EP in terms of positioning in the educational services market, as well as a graduate model, program passport, compulsory and elective disciplines, professional practices with a description of the content and goals (https://welcome.kaznu.kz/ru/education_programs/doctorate/speciality/1661).

The audited financial statements for the EP are presented on the university website (<https://www.kaznu.kz/ru/24534/page/>).

Analytical part

The university has published information on all points of this standard on the accredited study program.

The university administration actively promotes information about its programs through the Internet, through social networks and through the media.

Informing the public on the accredited EP, in accordance with the self-examination report, was reduced to posting news on the site, which does not fully meet the standard.

For each teacher of the department, you can find information that is very complete. But the information on the staffing of the C&G department is contradictory: in the self-examination report - 52 people, on the website of the university - 36.

The university website contains the document "Anti-Corruption Activities", which provides information on measures to promote integrity, prevent and combat corruption, taken at KazNU. Al-Farabi (<https://www.kaznu.kz/content/files/pages/folder20668/Anti-corruption%20activities%20KazNU.pdf>). Information on events for 2019 is provided.

The university website has a tab "University against corruption", which contains the "Results of sociological monitoring of the educational activities of the university for the 2018-2019 academic year" and "Report on the results of the survey 2019 (Part 1. The university is free from corruption)". There are no monitoring results for other years.

In the section "Corporate Documents" there is a tab "The concept of modernization of educational programs of NAO Al-Farabi KazNU" which is not active.

The same section of the website (Corporate Documents) contains the "Rules for Admission to Training", approved by the Board of Directors, protocol No. 4 dated 06/16/2021. There are no admission rules for subsequent years.

(
<https://www.kaznu.kz/content/files/pages/folder23065/%D0%9F%D1%80%D0%B0%D0%B2%D0%B8%D0%BB%D0%B0%20%D0%BF%D1%80%D0%B8%D0%B5%D0%BC%D0%B0%20%D0%BD%D0%B0%20%D0%BE%D0%B1%D1%83%D1%87%D0%B5%D0%BD%D0%B8%D0%B5%20%D0%9A%D0%B0%D0%B7%D0%9D%D0%A3.pdf>).

Foreign cooperation is presented for the 2014-2015 academic year - (<https://www.kaznu.kz/ru/12057/page/>). Information for subsequent years is not provided.

The website of the university presents the results of the analysis "Dynamics of the level of student satisfaction" for 2021 (<https://cloud.mail.ru/public/tdBz/TF12YZHxS>). Information on the results of the analysis until 2023 is not available.

On the university website, in the "Applicants" tab, information on "8D0730 - Geoinformatics" is presented in the form: "Data for 2020-2023 are given." (https://welcome.kaznu.kz/ru/education_programs/doctorate/speciality/1661#general).

The audited annual financial report is presented on the website for 2019-2020. (<https://www.kaznu.kz/ru/24534/page/>). There are no financial statements for subsequent years.

The leaders of the EP presented to the members of the EEC the developed educational program and the curriculum of the doctoral program "8D0730 - Geoinformatics", approved by the acting Vice-Rector for Academic Affairs A.K. Khikmetov dated April 29, 2019, Protocol No. 8.

The site presents the "Development Strategy of Al-Farabi KazNU", aimed at forming the university as a modern research university, is presented for 2017-2021 (<https://www.kaznu.kz/ru/20521/page/>).

Members of the EEC note the lack of updating of the documents of the Ministry of Education and Science of the Republic of Kazakhstan presented on the website, regulating the educational activities of the university. So the last update of the Law of the Republic of Kazakhstan "On Education" refers to 04/20/2023. Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 604 dated October 31, 2018 invalidated by order No. 348 dated 03.08.2022. Order of the Minister of Science and Higher Education of the Republic of Kazakhstan "On approval of state compulsory standards of higher and postgraduate education" dated July 20, 2022 No. 2 was registered with the Ministry of Justice of the Republic of Kazakhstan on July 27, 2022 No. 28916.

The audited annual financial report is presented on the website for 2019-2020. (<https://www.kaznu.kz/ru/24534/page/>).

Corporate Documents

Rules for admission to training Approved by the Board of Directors Minutes No. 4 dated June 16, 2021

<https://www.kaznu.kz/content/files/pages/folder23065/%D0%9F%D1%80%D0%B0%D0%B2%D0%B8%D0%BB%D0%B0%20%D0%BF%D1%80%D0%B8%D0%B5%D0%BC%D0%B0%20%D0%BD%D0%B0%20%D0%BE%D0%B1%D1%83%D1%87%D0%B5%D0%BD%D0%B8%D0%B5%20%D0%9A%D0%B0%D0%B7%D0%9D%D0%A3.pdf>

Strengths/best practice – none.

EEC recommendations:

the management of the PA to regulate the frequency of presentation of accurate, objective, up-to-date information published in all areas of the university's activities within the framework of the EP on an ongoing basis. By the beginning of the 2023-2024 academic year, submit up-to-date information on the EP on the university website.

Conclusions of the EEC according to the criteria: satisfactory - 11, suggest improvements - 1.

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

Standard " Students "

- management of an educational organization in the context of the accredited EP demonstrated a high motivational component of the professional and personal development of students.

(VIII) OVERVIEW OF RECOMMENDATIONS FOR IMPROVING QUALITY

The standard "Management of the educational program"

-in accordance with the quality assurance policy, by the beginning of the 2023-2024 academic year, submit relevant regulatory documents on the university website and make changes and updates to them on an ongoing basis.

-EP management to develop proposals for risk management based on risk-based analysis (SWOT), publish the results on the website. Deadline: 2023-2024 academic year.

The standard "management and reporting"

the leadership of the EP to ensure high-quality teaching of special disciplines of geoinformation orientation and programming at a high professional level. Deadline: 2023-2024 academic year.

Standard " Development and approval of the educational program "

- *the management of the EP "8D07302 - Geoinformatics" to determine the advantages of the accredited EP in accordance with the national priorities and development strategy of the PA. Features and uniqueness of the EP to be published on the university website by the 2023-2024 academic year.*

- the management of the EP to update the educational program "8D0730 - Geoinformatics" in accordance with the documented procedure for the development and approval of the EP in NJSC Al-Farabi KazNU.

The standard " Continuous monitoring and periodic evaluation of the educational program "

- the management of the EP to develop a procedure for constantly informing all interested parties about any planned actions taken within the framework of the EP with the publication on an ongoing basis of information about the changes undertaken within the framework of the EP on the university website and in social networks and the media.

- the management of the EP on an ongoing basis to involve students in the revision of the EP at the design and discussion stage by inviting departments to meetings and including them in working groups, improve forms of cooperation with stakeholders on updating the content and structure of educational programs . Deadlines: starting from the 2023-2024 academic year.

The standard " Student-centered learning, teaching and assessment "

the leadership of the EP to prepare a plan for the development and implementation in the educational process of the teaching staff's own research in the field of teaching methods of academic disciplines and proceed with its implementation. Ensure the dissemination of information about the results of their own research. Deadline: until 2025

- the management of the EP to ensure teaching based on modern achievements of world

science and practice in the field of the geoinformation industry, the use of various modern methods of teaching and evaluating learning outcomes that ensure the achievement of the goals of the EP. Deadline: by the beginning of the 2023-2024 academic year.

The standard " Teaching staff "

- to the management of the EP to supplement the staff of the Department of Cartography and Geoinformatics (CG) with a competent teaching staff with basic education, with modern knowledge in the field of geoinformation technologies and programming. Deadlines: 2023-2024 academic year;

- to the management of the EP to provide internships on modern geographic information systems and technologies in the leading scientific centers of the Republic of Kazakhstan and / or with foreign partners. Deadline: by the beginning of the 2023-2024 academic year.

The standard "Educational resources and student support systems"

The management of the OO should develop a plan to take into account the needs of various groups of students in the context of the EP (adults, working, foreign students, as well as students with disabilities). The implementation period is by the 2023-2024 academic year.

The standard "Public Information"

The management of the PA should regulate the frequency of presenting accurate, objective, up-to-date information published in all areas of the university's activities within the framework of the EP on an ongoing basis. By the beginning of the 2023-2024 academic year, submit up-to-date information on the EP on the university website.

(IX) OVERVIEW OF THE RECOMMENDATION FOR THE DEVELOPMENT OF EDUCATIONAL ORGANIZATION

During the work of the EEC IAAR, which took place in full-time and remote format, meetings were held with the administration of the University, heads of structural divisions, teaching staff, students, key stakeholders, documents of the educational organization were studied.

Based on the results of communication with teaching staff, students, employers and graduates, convincing data was obtained indicating the systematic nature of work to improve the quality of education, student learning conditions, the work of teaching staff and other structures of the university.

Members of the External Expert Commission of the Independent Agency for Accreditation and Rating for the further dynamic development of the university, strengthening its position in the global educational space and ensuring the high quality of educational services *recommend*: more actively inform the public by publishing on the website of the university, in social networks and the media, relevant, accurate and objective information on all areas of the university's activities within the framework of the EP on an ongoing basis; pay attention to the availability of basic training for leading university teachers in the areas of training being implemented, professional retraining of teaching staff to ensure teaching in an accredited EP based on modern achievements of world science and practice in the field of geoinformation industry.

Annex 1. Parameters for specialized accreditation

Evaluation table "Parameters for specialized accreditation of EP "8D07302 - Geoinformatics"

n\n	n \n	Criteria for evaluation	Position of the educational organization			
			strong	Satisfy body	Assumes improvement	Dissatisfy - body
Standard " Management of the educational program "						
1	1.	The university must demonstrate the development of the goal and development strategy of the EP based on the analysis of external and internal factors with the wide involvement of various 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 diploma education and academic mobility		+		
5	5.	The management of the EP ensures the transparency of the development plan for the development of the EP based on an analysis of its functioning, the real positioning of the university and the focus of its activities on meeting the needs of students, the state, employers and other stakeholders		+		
6	6.	The EP management demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP		+		
7	7.	The EP management should involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of the EP development plan		+		
8	8.	The leadership of the EP must demonstrate individuality and uniqueness EP development plan , its consistency with national development priorities and 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, and the delimitation of the functions of collegial bodies		+		
10	10.	The management of the EP ensures the coordination of the activities of all persons involved in the development and management of the EP, and its continuous implementation, and also involves all interested parties in this process		+		
eleven	11.	The EP management must 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 parties (employers, teaching staff, students) in the collegiate management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program			+	
14	14.	The university must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals			+	
15	15.	The management of the EP must demonstrate its openness and accessibility for students, teaching staff, employers and other interested parties			+	
16	16.	The management of the EP confirms the completion of training in education 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 by standard			0	16	1	0
Information management and reporting standard						
18	1.	The university must ensure the functioning of the system for collecting, analyzing and managing information based on modern information and communication technologies and software			+	
19	2.	The EP guidance demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system			+	
20	3.	The EP management demonstrates the presence of a reporting system that reflects the activities of all structural units and departments within the EP, including an assessment of their performance			+	
21	4.	The university must determine the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management			+	
22	5.	The university must demonstrate a mechanism for ensuring the protection of information, including determining the persons responsible for the reliability and timeliness of the analysis of information and the provision of data			+	
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 EP management must demonstrate the existence 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 with the needs of students, teaching staff and staff within the framework of the EP and demonstrate evidence of the elimination of identified shortcomings			+	
26	9.	The university should evaluate the effectiveness and efficiency of activities in the context of the EP			+	
		<i>The information collected and analyzed by the university within the framework of the EP should take into account:</i>				
27	10.	key performance indicators			+	
28	eleven.	the dynamics of the contingent of students in the context of forms and types			+	
29	12.	academic performance, student achievement and dropout			+	

thirty	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, teaching staff and staff must document their consent to the processing of personal data		+		
34	17.	The management of the EP should contribute to the provision of the necessary information in the relevant fields of science		+		
Total by standard			0	16	1	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 the compliance of the developed EP with the established goals and planned learning outcomes		+		
37	3.	The EP management should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
38	4.	The university demonstrates the presence of a model of a graduate of the EP, which describes the learning outcomes and personal qualities		+		
39	5.	The qualification awarded upon completion of the EP must be clearly defined, explained and correspond to a certain level of NQF, QF - EHEA		+		
40	6.	The management of the EP must demonstrate the modular structure of the program based on ECTS , ensure that the structure of the content of the EP corresponds to the goals set, with a focus on achieving the planned learning outcomes for each graduate		+		
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 education (bachelor's, master's, doctoral studies)		+		
42	8.	The management of the EP must demonstrate the conduct of external reviews 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 and quality assurance of the EP		+		
44	10.	The management of the EP must demonstrate the uniqueness of the educational program, its positioning in the educational market (regional/national/international)			+	
45	11.	An important factor is the possibility of preparing students for professional certification		+		
46	12.	An important factor is the presence of a joint (s) and / or double degree EP with foreign universities		+		
Total by standard				eleven	1	
Standard " Continuous monitoring and periodic evaluation of the educational program "						

47	1.	The university must 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 demand of society		+		
48	2.	The university must demonstrate the existence of a documented procedure for monitoring and periodic evaluation in order to achieve the goal of the EP and continuously improve the EP		+		
		<i>Monitoring and periodic evaluation of the EP should consider:</i>				
49	3.	the content of the program in the context of the latest achievements of science and technology in a particular discipline		+		
50	4.	changing needs of society and the professional environment		+		
51	5.	workload, performance and graduation of students		+		
52	6.	effectiveness of student assessment procedures		+		
53	7.	needs and satisfaction of students		+	+	
54	8.	compliance of the educational environment and the activities of support services with the goals of the EP		+		
55	9.	The management of the EP should publish information about changes to the EP, inform interested parties about any planned or undertaken actions within the EP			+	
56	10.	Support services should identify the needs of various groups of students and their degree of satisfaction with the organization of training, teaching, assessment, mastering the EP in general		+		
Total by standard			0	8	2	0
Standard " Student-centered learning, teaching and assessment "						
57	1.	The management of the EP should ensure respect and attention to the various groups of students and their needs, providing them with flexible learning paths				
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 methods of teaching and evaluating learning outcomes that ensure the achievement of the objectives 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 teaching load of students between theory and practice within the framework of the EP, ensuring the development of the content and achievement of the objectives of the EP by each graduate		+		
60	4.	An important factor is the presence of own research in the field of teaching methods of EP disciplines			+	
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 assessing the learning outcomes of the EP, the publication of criteria and methods for assessing learning outcomes in advance		+		
63	7.	Assessors must be familiar with modern methods for assessing learning outcomes and regularly improve their skills in this area.		+		

64	8.	The management of the EP must demonstrate the existence of a feedback system on the use of various teaching methods and the assessment of learning outcomes		+		
65	9.	The management of the EP must demonstrate support for the autonomy of learners while providing 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 by standard				8	2	
Standard " Students "						
67	1.	The university must demonstrate the policy of forming a contingent of students and ensure transparency, publicity of the procedures governing the life cycle of students (from admission to completion)		+		
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 the 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 study		+		
71	5.	The university should encourage students to self-education and development outside the main program (extracurricular activities)	+			
72	6.	An important factor is the existence of a mechanism to support gifted students.		+		
73	7.	The university must 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 must provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, maintaining contact with them		+		
75	9.	The university must demonstrate the procedure for issuing documents to graduates confirming the qualifications received, including the achieved learning outcomes		+		
76	10.	The management of the EP must demonstrate that program graduates have skills that are in demand in the labor market and that these skills are really relevant		+		
77	11.	The management of the EP must demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates		+		
78	12.	An important factor is the existence of an active alumni association/union		+		
Total by standard			1	eleven		
Standard " Teaching staff "						
79	1.	The university must have an objective and transparent personnel policy in the context of the EP, including recruitment (including invited teaching staff), professional growth and development of staff, 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 strategy of the university, 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 the teaching of specialists from relevant industries with professional competencies that meet the requirements of the EP		+		
84	6.	The university must demonstrate the presence of a motivation mechanism for the professional and personal development of teaching staff		+		
85	7.	The university must demonstrate the widespread use of teaching and communication technologies and software in the educational process (for example, on-line training, e-portfolio, MEPs , etc.)		+		
86	8.	The university must demonstrate the focus 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 those invited, 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 by standard			0	9	1	0
Standard "Educational resources and student support systems"						
89	1.	The university must guarantee the compliance of the infrastructure, educational resources, including material and technical, with the goals of the educational program		+		
90	2.	The management of the EP must demonstrate the sufficiency of classrooms, laboratories and other facilities equipped with modern equipment to ensure the achievement of the objectives of the EP		+		
		<i>The university must demonstrate the compliance of information resources with the needs of the university and the EPs being implemented, including in the following areas:</i>				
91	3.	technological support for students and teaching staff in accordance with educational programs (for example, online learning, modeling, databases, data analysis programs)		+		
92	4.	library resources, including a fund of educational, methodical and scientific literature on general education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases		+		
93	5.	examination of the results of research, final works, dissertations for plagiarism		+		
94	6.	access to educational Internet resources		+		
95	7.	functioning of WI-FI in 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 must demonstrate the existence of procedures for supporting various groups of students, including information and counseling		+		
99	eleven.	The management of the EP should show the existence of conditions for the advancement of the student along an individual educational trajectory		+		
10	12.	The university must take into account the needs of different groups of students (adults, working, foreign students, as well as students with special educational needs)			+	
101	13	The university must ensure that the infrastructure meets the safety requirements		+		
Total by standard				12	1	
Public Information Standard						
102	1.	The university guarantees that the published information is accurate, objective, up-to-date and reflects all areas of the university's activities within the framework of the educational program			+	
103	2.	Informing the public should include support and explanation of the national development programs of the country and the system of higher and postgraduate education		+		
104	3.	The university management should use a variety of ways to disseminate information (including the media, web resources, information networks, etc.) to inform the general public and interested parties		+		
		<i>Information about the educational program is objective, up-to-date and should include:</i>				
105	4.	the purpose and planned results of the EP, the qualification to be awarded		+		
106	5.	information and the system for assessing the 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 publication on open resources of reliable information about teaching staff, in the context of personalities		+		
111	10.	audited financial statements for the EP on its own web resource		+		
113	11.	The university must 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 by standard			0	eleven	1	0
TOTAL			level	102	10	0

