«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING

REPORT

on the results of the external expert commission work
assessment of educational programs for compliance with the requirements of international program accreditation standards
1-31 04 01 Physics (by directions) (6-05-0533-01 Physics), 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology), 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry), 1-70 80 01 Construction of Buildings and Structures (7-06-0732-01 Construction), 1-31 80 20 Applied Physics (7-06-0533-02 Applied Physics)
Yanka Kupala State University of Grodno
(Republic of Belarus)

Date of EEC visit: from «07» to «09» December, 2022

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

Addressed to
Accreditation
Council IAAR

АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ ТӘУЕЛСІЗ АГЕНТТІГІ
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Yanka Kupala State University of Grodno shall be accredited for a period of 7 (seven) years, educational programs shall be accredited for a period of 5 (five) years.

Grodno **«09» December, 2022**

CONTENTS

(I) LIST OF DESIGNATIONS AND ABBREVIATIONS

ACS	–	automated control system
BIL	–	Belarusian Institute of Law
BRFFR	–	Belarusian Republican Foundation for Fundamental Research
BSSR	–	Belarusian Soviet Socialist Republic
CPC	–	Council of People's Commissars
YKSUG	–	Yanka Kupala State University of Grodno
EEC	–	External Expert Commission
EI	–	educational institution
EMO	–	educational and methodical office
EMMD	–	educational and methodological management department
EP	–	educational program
ESG	–	environmental, social, and governance
F	–	Faculty
FB&E	–	Faculty of Biology and Ecology
FCE	–	Faculty of Civil Engineering
FNS&T	–	Faculty of Natural Sciences and Technology
FSAEI	–	federal state autonomous educational institution
FTF	–	Physics and Technology Faculty
HE	–	higher education
HEO	–	higher educational organization
IAAR	–	Independent Agency of Accreditation and Rating
ICT	–	information and communication technologies
IHE	–	institution of higher education
ISO	–	the international organization for standardization
ISO 9001	–	international standard of the quality management system
LLC	–	limited liability company
ME	–	Ministry of Education
MEP	–	Main educational program
MM	–	Mass media
NAS	–	National Academy of Sciences
NPI	–	Non-profit institution
NSLCU	–	national scientific laboratory of collective use
PC	–	public corporation
PCD	–	Production and Construction Department
PEI	–	public educational institution
PhD	–	Philosophy Doctorate
RANE&PA	–	Russian Academy of National Economy and Public Administration
RB	–	Republic of Belarus
RSCI	-	Russian Science Citation Index
SE	–	State enterprise
SEB	–	State Examination Board
SEC	–	State Examination Commission
SPPS	–	socio-pedagogical and psychological service
SPSR	–	state program of scientific research
STB	–	Standard of Belarus
STU	–	University standard
STU 01	–	University standard STU 01 "Strategic and Operational Planning, Controlling of Activities, Quality Planning"
STU 06	–	University standard STU 06 "Documentation Management"
STU 07	–	University Standard STU 07 "Information and Knowledge Management"
STU 16	–	University standard STU 16 "Continuous Improvement"

STU 20	–	University standard STU 20 "Monitoring and Measurement"
STU 23	–	University standard STU 23 “Methods and Means of Data Analysis”
STU 24	–	University standard STU 24 “Internationalization”
STU 27	–	University standard STU 27 “Design and Development”
STU 28	–	University standard STU 28 “Procurement”
STU 30.2	–	University standard STU 30.2 "Educational Process Management. Training at the 1st Stage of Higher Education"
USSR	–	The Union of Soviet Socialist Republics
UQDPE	–	unified qualification directory of positions of employees

(II) INTRODUCTION

In accordance with the order No. 116-19-ОД dated November 05, 2019, 2022 of the Independent Agency for Accreditation and Rating (IAAR), from December 07 to December 09, 2022, the External Expert Commission (EEC) conducted an online assessment of the conformity of educational programs 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of buildings and facilities" at Yanka Kupala State University of Grodno (Republic of Belarus) to the standards and guidelines for international accreditation of foreign educational organizations and educational programs (based on ESG) of the Independent Agency for Accreditation and Rating (Nur-Sultan, 2018).

The report of the external expert commission (EEC) contains an assessment of the submitted educational programs to the IAAR criteria, recommendations of the EEC for further improvement of the evaluated educational programs and parameters of the profile of the evaluated educational programs, the result of a survey of the faculty and students of Yanka Kupala State University of Grodno.

Composition of EEC IAAR:

EEC IAAR Chairperson – Kamkin Viktor Aleksandrovich, Ph.D in Biology, associate professor of Toraigyrov University, expert of the 1st category (Pavlodar, Republic of Kazakhstan).

EEC IAAR Coordinator – Niyazova Guliyash Balkenovna, Head of the Project for institutional and specialized accreditation of universities (Astana, Republic of Kazakhstan).

Observer from the National Agency for Quality Assurance in Education - Antonenko Alexander Nikolaevich, Ph.D., Associate Professor, Deputy Director of the Agency (Minsk, Republic of Belarus).

Cluster 1. Program Accreditation

1-03 01 03 Fine arts and computer graphics (6-05-0113-06 Art education)	*IAAR* expert – Imanbayeva Zhanerke Askhatovna, PhD, Associate Professor of the International Educational Corporation (Almaty, Republic of Kazakhstan).
1-16 80 01 Musical art (7-06-0215-02 Musical art)	*IAAR expert* – Khodinskaya Natalya Nikolaevna, Candidate of Art History, Associate Professor of the Department of Musical and Theoretical Disciplines of the Belarusian State University of Culture and Arts (Minsk, Republic of Belarus).
1-08 80 02 Theory and methodology of training and education (by areas and levels of education) (7-06-0112-02 Primary education)	*IAAR* expert – Lebedeva Larisa Anatolyevna, Candidate of Pedagogical Sciences, Associate Professor of the Kazakh National Pedagogical University named after Abay (Almaty, Republic of Kazakhstan). *IAAR expert-employer* – Abramchik Ruslan Yurievich, Head of the main Department of Education of the Grodno Regional Executive Committee (Grodno, Republic of Belarus). *IAAR expert-student* – Irshonok Irina Mikhailovna, 3rd year student of the educational program 1-16 20 01 Musical art of the direction of the specialty "Singing (folk)" of the Belarusian State University of Culture and Arts (Minsk, Republic of Belarus).

Cluster 2. Program Accreditation

1-03 04 03 Practical psychology (6-05-0114-01 Socio-pedagogical and psychological education)	*IAAR expert* – Drozdova Natalia Valerievna, Ph.D. in Psychology, Associate Professor, Director of the Institute of Psychology of the Belarusian State Pedagogical University named after Maxim Tanka (Minsk, Republic of Belarus).

1-25 01 07 Economics and management at the enterprise (6-05-0311-02 Economics and Management) 1-25 80 01 Economics (7-06-0311-01 Economy)	*IAAR expert* – Korolev Konstantin Yurievich, PhD in Economics, Associate Professor, expert of the IInd category. *IAAR expert-student* – Basygarina Zhainagul Umirserikovna, 2nd year student of the educational program of the Master's program 44.04.01, expert of the IIIrd category.

Cluster 3. Program Accreditation

1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry)	*IAAR expert* – Sutula Maksim Yuryevich, PhD, researcher at the National Scientific Collective Use Laboratory (NNLKP), senior lecturer at the Department of Biology, Faculty of Natural Sciences and Technology (FEN&T), East Kazakhstan University named after S. Amanzholov (Ust-Kamenogorsk, Republic of Kazakhstan).
1-31 04 01 Physics (by directions) (6-05-0533-01 Physics)	*IAAR expert* – Slobodyanyuk Anatoly Ivanovich, PhD in Physics and Mathematics, Associate Professor, Head of the Department of General Physics, Belarusian State University (Minsk, Republic of Belarus).
1-31 80 20 Applied Physics (7-06-0533-02 Applied Physics)	*IAAR* expert – Aliyev Natig Latif oglu, PhD in Physics and Mathematics, Director of the Department of the State Examination Center (Baku, Republic of Azerbaijan).
1-70 80 01 Construction of Buildings and Structures (7-06-0732-01 Construction)	*IAAR expert* – Aldungarova Aliya Kairatovna, PhD, Associate Professor, Dean of the School of Architecture and Construction of East Kazakhstan University named after D. Serikbaev (Ust-Kamenogorsk, Republic of Kazakhstan). *IAAR expert-student* – Obrompalsky Radion Leonidovich, 1st year student of the educational program 1-70 80 01 Construction of Buildings and Structures of Polotsk State University named after Euphrosyne of Polotsk (Polotsk, Republic of Belarus).

Cluster 4. Program Accreditation

1-40 01 01 Information technology software (6-05-0612-01 Software Engineering)	*IAAR expert* – Belousov Alexander Valerievich, PhD in Technical sciences, expert of the 1st category. *IAAR expert-employer* – Sergey Vitaly Iosifovich, Deputy Director of "IntexSoft" LLC (Grodno, Republic of Belarus). *IAAR expert-student* – Egizbayeva Asylzat Erkinovna, 2nd year student of the educational program "Information Systems" of Kyzylorda University named after Korkyt Ata (Kyzylorda, Republic of Kazakhstan).
1-27 02 01 Transport logistics (by directions) (6-05-1042-01 Transport logistics)	*IAAR* expert – Golubev Yury Petrovich, PhD in Technical Sciences, Associate Professor, Vice-Rector for Academic Affairs of the Polotsk State University named after Euphrosyne of Polotsk (Polotsk, Republic of Belarus).
1-37 80 01 Transport (7-06-0715-01 Transport)	*IAAR expert* – Akulich Alexander Vasilievich, Doctor of Technical Sciences, Professor, Honored Inventor of the Republic of Belarus, Vice-Rector for Research of the Belarusian State University of Food and Chemical Technologies (Mogilev, Republic of Belarus).

1-24 01 02 Law (6-05-0421-01 Law)	*IAAR expert* – Tatarinova Lola Furkatovna, Ph.D. in Law, Associate Professor of the International University of Business UIB (Almaty, Republic of Kazakhstan).
1-24 80 01 Jurisprudence (7-06-0421-01 Jurisprudence	*IAAR expert-student* – Shpakevich Ulyana Valerievna, a 3rd year student of the educational program of the specialty “Jurisprudence” of the Branch of the Educational Establishment "BUL-University of Law and Social Information Technologies" (Grodno, Republic of Belarus).

(III) PRESENTATION OF EDUCATIONAL ORGANIZATION

In accordance with Decree No. 209 of the Council of People's Commissars of the BSSR "On measures to organize public education in the western regions of Belarus" dated February 22, 1940, the Grodno Teachers' Institute was established. Two departments, such as Belarusian language and literature, Russian language and literature, and Physics and Mathematics, trained teachers of grades 5-7 of an incomplete secondary school. The Grodno Teachers' Institute did not function long. The Nazi invaders, who occupied the city the day after the start of the Great Patriotic War, destroyed equipment and classrooms, and organized a hospital in the Institute. The 15,000 book library fund was burned. Many teachers and students fought at the front, participated in the partisan movement. After the liberation of Grodno in July 1944, preparations began for the opening of the Pedagogical Institute. On the basis of the order of the Council of People's Commissars of the USSR dated by October 20, 1944, the Grodno Teachers' Institute was transformed into a pedagogical one. N.V. Vlasovets was appointed Director of the Institute.

In 1954-1955 the Institute was reorganized. The Faculty of History was opened to provide training for history teachers. In 1964, the Faculty of Biology and Chemistry was established. In 1969, a postgraduate course was organized at the Institute. The first enrollment in it was carried out in the following specialties: the Belarusian language, the History of the USSR, Mathematical analysis, Differential and Integral Equations, Methods of Teaching Mathematics.

Grodno State University (GSU) was founded in 1978 on the basis of the Yanka Kupala Pedagogical Institute. The Decree of the Council of Ministers of the USSR on the organization of the Grodno State University was adopted on June 24, 1977. The first university recruitment was carried out in September 1978. A.V. Bodakov was appointed Rector of this institution. In 1981, on the basis of the Department of Jurisprudence, the Faculty of Law began its activities. In 1984, the Faculty of Biology and Chemistry resumed its work. For 10 years Grodno State University was not called after the name of Yanka Kupala. And only on September 13, 1988, by a resolution of the Council of Ministers of the BSSR and at the request of the Party and Komsomol organization of the University, the name of Yanka Kupala was again given to it.

In 1989, the Faculty of Physical Education was opened, which trained physical education teachers for secondary schools. The final stage of reforming the structure of YKSUG in the 1980s was the opening of the Department of Polish Language and Literature on the basis of the Faculty of Philology in 1989. This was dictated by the time, i.e. the implementation of the national state policy in the field of education.

In 1990, the production part separated from the Faculty of Physics and became an independent Faculty of Engineering. In 1991, the Faculty of Belarusian Philology and Culture was opened at the University.

In the first half of 1994, the faculties were merged and re-profiled: the Engineering and Physics Faculties merged into Engineering Physics, the Departments of Jurisprudence and International Relations - into the Faculty of Law and Economics, the Department of Foreign Languages was separated from the Philology Faculty into an independent faculty. As for the Biology, History Faculties, the Faculty of Pedagogy and Methods of Primary Education, these were renamed into the Faculty of Biology and Ecology, History and Culture, Psychology and Pedagogy.

In 1997, the Faculty of Law and Economics was reorganized into the Faculty of Law and the Faculty of Economics and Management, and the Faculty of Foreign Languages, as a department, became part of the Faculty of Philology.

In 2001, the Institute of Postgraduate Education was included into the structure of the university. In the period from 2001 to 2006, 4 colleges joined the YKSUG: Technological, Volkovysk, Lida and Humanities.

From 2005 to 2013 Evgeny Alekseevich Rovba, Professor, Doctor of Physics and Mathemats was the Rector of the Yanka Kupala State University of Grodno. Under his leadership, the university expanded the list of specialties and specializations. The Military Faculty, the Faculty of Civil Engineering, the Faculty of Tourism and Service, the Faculty of Innovative Engineering Technologies have been created. The quality management system has received national and international certificates of compliance with the requirements of ISO 9001 and ISO 9001:2008.

In 2010, the University was awarded the Prize of the Government of the Republic of Belarus for achievements in the field of quality. For special achievements in socio-cultural development, training of highly qualified personnel and in connection with the 70th anniversary of its founding, the University was awarded the Honorary State Banner of Belarus by the Decree of the President of the Republic of Belarus. And in 2011, Yanka Kupala State University of Grodno was one of the first universities in the Republic of Belarus to receive a certificate of accreditation from the State Committee for Science and Technology of the Republic of Belarus and the National Academy of Sciences of Belarus based on the assessment of the results of scientific, technical and innovative activities.

In 2014, an integrated system of individual and departmental ratings was developed and implemented. Also, the university has successfully passed state accreditation for compliance with the type of classical university, confirming its status. In 2014, the educational portal of the university received the Tibo Internet award in the nomination "Education and Science", and in 2015 the YKSUG named after Yanka Kupala achieved second place among national universities in the international Webometrics ranking and entered the top ten universities in the country in terms of key performance indicators.

In March 2016, Yanka Kupala State University of Grodno became a co-founder of the first Innovative Media Cluster in Belarus. The work of the structure is aimed at the innovative development of the competitive information space of the Grodno region through the formation of effective mechanisms for the interaction of government bodies, organizations of education, science and production.

At the Republican Ball of Higher Education Institutions Graduates, Kupalovsky University was the first among the universities of the country to be nominated as the “University of the Year”.

The newspaper "Grodzenski universitet" became the winner of the XIV National competition of printed media "Gold Letter" for 2017 in the nomination "The best materials of scientific, popular science topics". In the same year, the construction was completed and the first building of the Scientific and Technological Park of the Yanka Kupala State University of Grodno was opened. In October 2018, the President of the Republic of Belarus Alexander Grigoryevich Lukashenko visited the Yanka Kupala State University of Grodno during his working trip to the Grodno region.

In 2019, the Yanka Kupala State University of Grodno confirmed the title of the winner of the Prize of the Government of the Republic of Belarus for achievements in the field of quality in 2018. The same year, in the nomination "Scientific organization" Kupalovsky University was listed on the Republican Board of Honor. In 2019, the Yanka Kupala State University of Grodno confirmed the certificate of compliance of the University's Quality Management System with the requirements of national standards, and also confirmed the state accreditation for compliance with the declared type, being a classical university. In the same year, the university approved the digital technology development project "Digital University +" and adopted the Concept of working with gifted and talented youth and a program for its implementation. In 2019, Yanka Kupala State University of Grodno entered the pilot project of the Ministry of Education of the Republic of

Belarus “Improving the activities of higher education institutions based on the University 3.0 model.

Based on the Yanka Kupala State University of Grodno, the country's first Innovation Cluster was created to form the managerial potential of the region. In June 2019, Kupala students took part in the IInd European Games as volunteers and as part of the national team of the Republic of Belarus. Kupala team brought four medals to the treasury of the Belarusian national team: two silver and two bronze ones. In 2019, the first regional branch of the UNESCO Chair in Information Technology and Law was opened on the basis of the Yanka Kupala State University of Grodno. At the beginning of 2020, the construction of the second stage of the Scientific and Technological Park of the YKSUG began. In 2020, the Fund for Innovative Development of the University was created at the Yanka Kupala State University of Grodno. The newspaper "Grodzenski universitet" for the second time became the winner of the XVI National competition "Gold Letter" in the nomination "The best materials of scientific, popular science topics". By the beginning of the 2020 admission campaign, the Yanka Kupala State University of Grodno was the first in the country to create the Digital Admissions Committee electronic service. In 2020, YKSUG took the first place in the Republican Universiade-2020. In December 2020, the Yanka Kupala State University of Grodno became the platform for the Grodno Dialogue 2020 on constitutional reform and other topical issues of the development of the country and the region.

71 R&D(T)R projects are being implemented on the basis of GrGU within 56 complex assignments for all 12 SPNI and 22 BRFFR projects. In 2018 - 2022, 6 doctoral and 52 Ph.D, academic titles of professors were awarded to 7 employees from among the academic staff, 63 persons got the title of associate professor. There are two councils for defending dissertations for the degree of candidate of sciences (PhD) at the University.

YKSUG occupies a significant place in the educational, scientific and cultural activities of the Grodno region. In 2022, 94.5% of the graduates were employed in the region (2021 – 87,2%; 2020 – 88,7%; 2019 – 90,7%; 2018 – 96,9%). In order to improve interaction with personnel customers, on the initiative and with the participation of the University, the following clusters were created: the Grodno Regional Educational Cluster, the Innovative Media Cluster of the Grodno Region, the Innovative Cluster for the formation of the region's managerial potential.

The staff of the University makes 1748 employees, including academic staff - 675 people, 36 Doctors of Sciences and 321 Candidates of Sciences. The share of employees with academic degrees and titles is 51.98% (2018 - 50.1%). The average age of the teaching staff is 48 years. There is a developed system of motivation, stimulation and social support for employees and students, a rating system based on quantitative criteria for assessing the achievements of teaching staff and students has been introduced. Employees of the YKSUG undergo the advanced updating training: in 2022 - 316 people, 2021 - 326 people, 2020 - 307 people, 2019 - 388 people, 2018 - 336 people. For teaching staff, the University implements a unique educational program "University of Educational Innovations: Theory and Methods of Modern Education" (in Russian and English).

The scientific journal "Bulletin of the State University named after Yanka Kupala" (6 series) and the Collection of scientific articles of the State University "Problems of civil law and process" are included in the List of scientific publications of the Republic of Belarus for publishing the results of dissertation research and are indexed in the RSCI. Collections of scientific papers, conference materials, textbooks are published, includeing those marked by MO. The electronic scientific and methodological journal "University of Educational Innovations", included in the RSCI, is published. The newspaper "Grodzenski universitet" twice became the winner of the National contest of printed media "Gold Letter" (in 2018 and 2020).

YKSUG is widely represented in the Internet space: more than 70 sites of various directions are visited by more than 20,000 people daily, 8 official groups in social networks bring together more than 30,500 participants. The official website of the YKSUG is one of the 100 most visited in Belarus.

The budget of the University in 2021 amounted to 41.4 million rubles. (In 2020 - 40.2 million rubles), the share of extra-budgetary income - 50.5%. The average salary for January-September

2022 amounted to 1319.4 rubles. (an increase of 114.9% by 2021), including AS - 1,770.9 rubles. (growth - 103.6%).

As of 01.10.2022 at the university in general:

- 9433 students study at the I stage of higher education (2021/2022 – 10090, 2020/2021 – 10608, 2019/2020 – 11068, 2018/2019 – 11928);
- 817 Master's students study at the IInd stage of higher education (2021/2022 – 865, 2020/2021 – 551, 2019/2020 – 768, 2018/2019 – 897);
- 104 persons study at the post-graduate course and the Doctoral course, 3852 are college students.

57,7% are females (2021 – 57,2%, 2020 – 57,5%, 2019 – 58,0%, 2018 – 58,2%). The percentage of the expelled Belarusian students of I and II levels of all forms of education in the 2021/2022 academic year is 5.2% (2020/2021 - 5.0%).

According to the results of the recruitment campaign in 2022, 3,802 people were enrolled for the training (in 2021 - 3,710 people): 2,286 people for the I stage, of which 1,129 for the budget form; for the second stage - 303 people, of which 156 for the budget form; 1,213 people in the EP of secondary specialized education, 985 of them for the budgetary form of education. Women make up 58.0%.

In the context of accredited EP on cluster 3, the following picture has been observed:

Table 1 - Dynamics of the students contingent in the specialty 1-310101 Biology (by directions)

Number of students	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022
Full-time education	130	148	186	172	165

Table 2 – Dynamics of students contingent of the IInd level in the specialty 1-31 80 11 "Biochemistry"

Number of students	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022
Full-time education	-	6	31	23	7

Table 3 - Dynamics of the students contingent in the specialty 1-31 04 01 "Physics" (by directions)

Number of students	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022
Full-time education	81	77	69	66	66

Table 4 - Dynamics of the students contingent in the specialty 1-31 80 20 "Applied Physics"

Number of students	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022
Full-time education	-	-	14	23	17

Table 5 – Dynamics of the students contingent in the specialty 1-70 80 01 "Construction of Buildings and Structures"

Number of students	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022
Part-time education (training in Russian)	21	19	5	-	-
Full-time education (training in Russian)	-	-	8	1	9
Full-time education (training in English)	10	13	6	4	3
Total	31	31	19	5	12

An analysis of the dynamics of the contingent of EP 3 of the cluster (Figure 1) shows *the lack of stability in the growth* of the number of students in all accredited EPs.

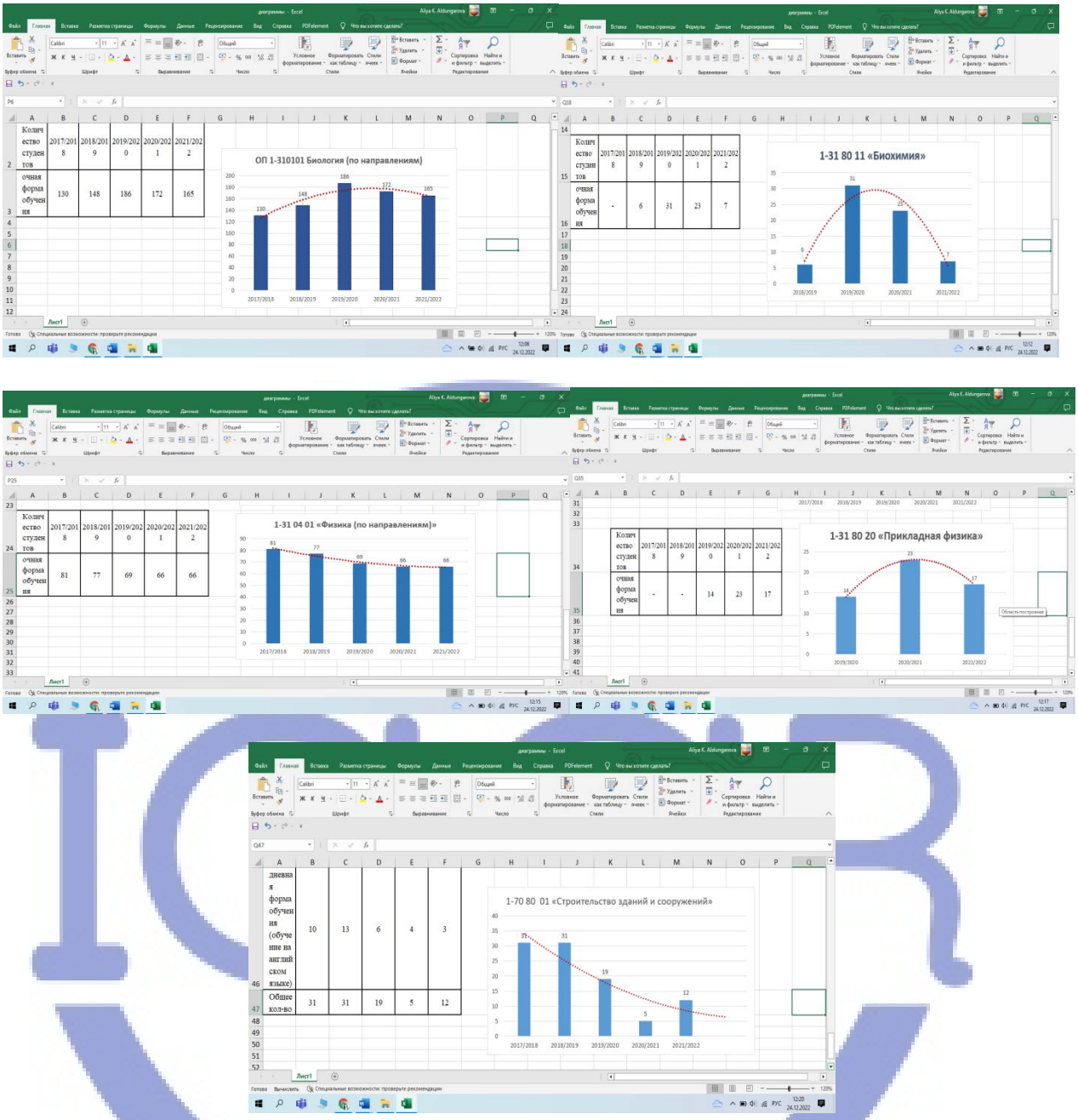

Figure 1 - Dynamics of the students contingent of EP cluster 3

The assignment of graduates for employment makes 100%. The university has a public association of graduates of the University and the Association of Foreign Alumni. Training is conducted in Russian, Belarusian and English. There is a Preparatory department for foreign citizens and Russian language courses are organized. The University has established Centers for German, Lithuanian, Russian languages, literatures and cultures, as well as a Sinology classroom named after Confucius. The advanced training of teaching staff and other employees was organized under the program "English Language". 241 certificates confirming the level of foreign language proficiency were issued to employees from among the academic staff.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

Educational programs 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures" are accredited by IAAR 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 for International Program Accreditation of Educational Programs of Yanka Kupala State University of Grodno in the period from 07 to 09 December 2022.

In order to coordinate the work of the EEC, on September 06, 2022, an introductory on-line meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was clarified, and agreement was reached on the choice of examination methods. In order to obtain objective information on evaluating the activities of the university, the members of the EEC used such methods as studying documentation, visual inspection, observation, interviewing employees of various structural units, teachers, students, graduates and employers, questioning the teaching staff, students.

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 the Rector, vice-rectors of the university in areas of activity, heads of structural divisions, deans of faculties, heads of departments, teachers, students, graduates, employers. A total of 80 representatives took part in the meetings (Table 6).

Table 6 - Information about employees and students who took part in meetings with the IAAR EEC:

Category of participants	Number of participants
Rector	1
Vice-Rectors	6
Heads of structural divisions	20
Deans	10
Heads of the Departments	15
Academics	7
Students	7
Graduates	8
Employers	6
Total	**80**

During the tour, members of the EEC got acquainted with the state of the material and technical base through a video file, which presents educational and lecture audiences, laboratories of accredited departments.

At the meeting 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.

During the period of accreditation, classes with students of accredited Eps were attended:

- 1-70 80 01 "Construction of Buildings and Structures" - "Experiment planning and statistical processing of experimental data" (practical class). Lecturer - Musafirov E.V. The class was provided with the use of ICT.
- 1-31 80 20 “Applied Physics” – “Basics of Nanotechnologies” (practical class) – lecturer Guzatov D.V.
- 1-31 04 01 "Physics (scientific and pedagogical activity)" - "Mechanics" (lecture) - lecturer Lavysh A.V.
- 1-31 80 11 "Biochemistry" - "Nutritiology" (practical class) - lecturer Sychevskaya N.V.

EEC experts note the classical presentation of the disciplines taught.

EEC experts watched videos about the bases of practice, and also asked questions online to the Heads of the following partner organizations: State Cultural Institution "Grodno Zoological Park", State Enterprise "Institute of Biochemistry of Biologically Active Compounds of the National Academy of Sciences of Belarus", State Educational Institution "Lyceum No. 1 Grodno ", Republican Unitary Enterprise "Grodno Center for Standardization, Metrology and Certification", LLC "TuPlan", LLC "DenOlyur", PSU "Spetsstroymontazh", OJSC "Grodnopromstroy". The practice bases *meet the safety requirements* for training and *are provided* with all the necessary conditions for obtaining practical skills.

In accordance with the accreditation procedure, a survey of 50 teachers and 54 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.YKSUG.by/).

As part of the planned program, recommendations for improving the accredited educational program of Yanka Kupala State University of Grodno, developed by the EEC based on the results of the examination, were presented at an online meeting with the University management group on 09.12.2022.

(VI) COMPLIANCE WITH INTERNATIONAL PROGRAM ACCREDITATION STANDARDS

6.1. ESG. Part 1. Standard «QUALITY ASSURANCE POLICY»

Standard:
The educational organization should have a published quality assurance policy, which is part of their strategic management. Internal stakeholders should develop and implement this policy through appropriate structures and processes with the involvement of external stakeholders.

Recommendations:
The policy and mechanisms for its implementation are the basis of a logically built and consistent system for ensuring the quality of the organization of education. The system is a cycle of continuous improvement and contributes to the accountability of the educational organization. It supports the development of a culture of quality in which all stakeholders take responsibility for quality at all levels of the educational organization functioning. To strengthen it, the policy and mechanisms for its implementation have an official status and are available to the public.

The quality assurance policy is more effective if it reflects the relationship between scientific research, teaching and learning and takes into account the contexts, both national, in which the EO works, and intra-university ones. This policy supports
• organization of a quality assurance system;
• departments, schools, faculties and other units, as well as the management of the educational organization, employees and students who perform their duties on quality assurance;
• academic integrity and freedom, as well as intolerance to manifestations of various kinds of academic dishonesty;
• processes that prevent intolerance of any kind or discrimination of students and teachers;
• participation of external stakeholders in quality assurance.
This policy is embodied in activities involving a variety of processes and procedures for internal quality assurance, which involve the participation of all departments of the educational organization. The degree of policy implementation is regulated, monitored and reviewed at the level of the educational organization itself.
The quality assurance policy also applies to any activity carried out by subcontractors or partners.

Evidentiary part

The quality policy was first developed in 2009, is periodically updated and is fully operational at the moment. In 2021, the Quality Policy was re-considered and recommended for approval by the decision of the University Council (minutes No. 1 of 01/27/2021). This document is posted on the website and corporate portal of the university, as well as in the Development Strategy of the faculties of the accredited EP cluster 3. All university employees (internal

stakeholders) with whom EEC experts managed to talk are aware of the Quality Policy. Employers and other external stakeholders have the opportunity to familiarize themselves with the Policy on the university website, and through the media and social networks of the university. Moreover, there is confirmation that both internal and external stakeholders are actively involved in the development and discussion of the Quality Policy within the framework of the work of various collegiate bodies, e.g. (Table 7), in the work of the FBiE Coordinating Council, which includes 18 university employees, 6 representatives from the students of the faculty and 5 representatives of the basic organizations of personnel customers, as well as graduates of the FBiE (as part of the work of the public association of graduates of the YKSUG), in the work of the coordinating council of the FTF, which includes 10 representatives of the teaching staff, 4 students of the faculty and 6 representatives of the basic organizations and organizations - customers of personnel.

Table 7 - Participation of external and internal stakeholders in the work of collegiate management bodies of faculties of accredited EPs

№	Members of collegiate management bodies, coordinating commissions	Full name, degree/title, position/group
FTF, EP 1-31 80 20 Applied Physics, EP 1-31 04 01 “Physics (scientific and pedagogical activity). According to the work plans of the FTF Council dated August 19, 2021, August 26, 2022 Order on the composition of the members of the coordinating council of faculties No. 1567 dated December 31, 2021		
1	Academic staff	Anufrik S.S. - Professor of the Department of Theoretical Physics and Heat Engineering, Doctor of Physical and Mathematical Sciences; Beytyuk Yu.R. – Head of the Department of Information Systems and Technologies, Ph.D., Associate Professor; German A.E. – Head of the Department of Electrical Engineering and Electronics, (PhD) Candidate of Physical and Mathematical Sciences, Associate Professor; Gavrilova I.L. – senior lecturer of the Department of Electrical Engineering and Electronics; Zharnova O.A. - Associate Professor of the Department of Theoretical Physics and Heat Engineering, Ph.D in Engineering; Ivanov A.Yu. – Head of the Department of Theoretical Physics and Heat Engineering, Doctor of Physics and Mathematics, Professor; Lavysh A.V. - Associate Professor of the Department of General Physics, Ph.D. in Physics and Mathematics; Lyalikov A.M. - Professor of the Department of Information Systems and Technologies, Doctor of Physical and Mathematical Sciences; Maskevich A.A. – Head of the Department of General Physics, Doctor of Physics and Mathematics, Associate Professor; Nikitin A.V. - Associate Professor of the Department of Theoretical Physics and Heat Engineering, Ph.D. in Engineering.

	students	Baum A, V. - 2nd year student of the specialty "Computer Physics"; Boyko A.A. - 3rd year student of the specialty "Technical operation of power equipment of organizations"; Gremchuk V.A. - 3rd year student of the specialty "Technical operation of power equipment of organizations"; Lis P.D. - 3rd year student of the specialty "Information and Measuring Equipment".
	External stakeholders	Bezzubenok S.V. - Head of the Information and Computing Center of the GUPP "Grodnovodokanal"; Vasilevich A.E. - Director of the Science and Technology Park; Kurilovich I.F. - Deputy Director of the UC RUE "Grodnoenergo"; Mastyugin L.I. - Director of the Scientific and Technological Park of Apsel LLC; Yarmolik D.V. - chief metrologist of RUE "Grodno Center for Standardization, Metrology and Certification";
FB&E, EP - 1-31 80 11 "Biochemistry", EP 1-31 80 11 "Biochemistry" According to the work plans of the FB&E Council dated August 19, 2021, September 21, 2022 Order on the composition of the members of the coordinating council of faculties No. 1567 dated December 31, 2021		
2	Academic staff	Karevsky A.E. - Dean of FB&E; Bashun N.Z. – Head of the Department of Technology of Physiology and Hygiene of Nutrition; Burd V.N. – Head of the Department of Chemistry and Biotechnology; Rezyapkin V.I. – Head of the Department of Biochemistry; Sozinov O.V. – Head of the Department of Botany; Yukhnevich G.G. – Head of the Department of Ecology; Yanchurevich O.V. – Head of the Department of Zoology and Human Physiology, etc.
	Students	Akulo A.D. - student gr. SDP-BIO-201; Baygot E.S. - student gr. SDP-BIO 194; Ermolenko D.A. - student gr. - SDP-BIO-201; Zolotykh I.E. - student gr. SDP-BE-191; Savchik M.A. - student gr. SDP-BE-201, etc
	External stakeholders	Shlyk V.N. - Chairperson of the Grodno Regional Committee of Natural Resources and Environmental Protection; Morozik D.A. - Director of the State Environmental Institution "Republican Landscape Reserve "Ozyory""; Kuznetsov O.E. – Director of the Institute of Biochemistry of Biologically Active Compounds; Senyuta D.V. - Deputy Director of LLC "Biocom"; Sergeeva M.V. - First Deputy Head of the Department of Trade and Services of the Grodno Regional Executive Committee; Zhdankin O.I. - Director of the State Cultural Institution "Grodno Zoological Park", etc.

Changes to the Policy are made in accordance with the procedure "Prospective (strategic) planning", "Strategic and operational planning, controlling activities, quality planning" based on changes in the internal and external environment of the university. In accordance with this procedure, a strategy has been developed for the faculties of accredited EPs.

The EEC confirms that EP 1-31 04 01 "Physics (in directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (in directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures" fully comply with the Mission and Strategy of the University. The faculties of the accredited EPs annually fulfill the student admission plan and ensure the distribution of graduates in the accredited specialties. High demand for specialists in accredited OP 1-31 04 01 "Physics (majors)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (majors)", 1-31 80 11 "Biochemistry" , 1-70 80 01 "Construction of Buildings and Structures" is confirmed by a number of reviews and thanks from employers' institutions, as well as letters of thanks from foreign customers of personnel.

The process of planning and conducting continuous improvements and changes is presented in STU 16 "Continuous Improvements". Objects for continuous improvement are all elements of the quality assurance system. The basis for continuous improvements are the results of sociological research conducted at the university, the results of analyzes of the Strategy implementation, operational and functional plans. The goal of continuous improvements and changes at the university is to increase the satisfaction of consumers and other stakeholders. Continuous improvements and changes are aimed at improving the acceptability, adequacy and effectiveness of the quality management system. Continuous improvements and changes take into account the results of sociological research conducted at the university, the results of the analyzes of the Strategy implementation, operational and functional plans, as well as the outputs of the analysis from the management to determine whether there are needs or opportunities that should be considered as a main part of continuous improvement . To determine the need for action for continuous improvement and change at the university, the process owners and other stakeholders consider the results of the analysis of the university activities, as well as, customer satisfaction assessments, e.g. the management of the university has fully implemented the Action Plan to eliminate deficiencies and implement the proposals noted in the conclusion of the commission on the results of state accreditation (dated 06/09/2022, approved by the Rector of the University, https://clck.ru/3385Hd), as evidenced by the Report on its implementation, sent to the Department of Education Quality Control (approved by the First Vice-Rector of the University, 14.07.2022, https://clck.ru/3385KG).

The key control measures of the quality monitoring system are systematic and cover all structural units of the university. Monitoring results are presented in the form of reports. Based on the results of control, managerial decisions are made. For example: the management of the university conducted a sociological survey of categories: applicants, students, including foreign students, graduates, young professionals, employers, staff. Based on the results of the survey, an analysis of the results was carried out and decisions were made (report on the activities carried out based on the results of the research dated October 28, 2022, approved by the Dean of the E&CF):

- for part-time students, to hold organizational meetings periodically at the beginning of the session to familiarize themselves with the organization of the educational process, posting information;
- to develop a schedule for intersessional consultations;
- to direct the teaching staff to advanced retraining for the mastering modern educational technologies;
- to hold a public speaking competition;
- to monitor the use of software products in design organizations, in enterprises - customers of personnel, etc.

The results of the control are the basis for organizing and carrying out corrective actions to improve the quality of the educational process at the university, planning the activities of the university, evaluating the effectiveness of teaching staff and administrative and managerial personnel. Improving the quality of EPs by updating them is ensured by changing the internal content of EPs at the request of employers and state executive authorities. For example, when designing EP 1-70 80 01 "Construction of Buildings and Structures", the opinions of employers were taken into account in terms of adjusting the modules: "Research work", "Reliability and durability", "Software, information technologies and control systems". When approving new EPs,

recommendations are taken into account based on the analysis of recent scientific achievements, training and evaluation activities, and the opinions of internal and external stakeholders.

Analytical part

The process of monitoring and evaluating the quality of the educational activities of the university is described in corporate regulations and standards published on the university portal intra.YKSUG.by (STU 01 “Strategic and operational planning, controlling activities, quality planning”, STU 16 "Continuous improvements"). There is a Quality Policy developed and available to all stakeholders, approved by the decision of the University Council dated January 27, 2021. The development and implementation of the Policy is carried out with the mandatory involvement and participation of external stakeholders. The university development strategy is also posted on the portal and communicated to all stakeholders, which was confirmed during interviews with the university management, academic staff, students and employers.

Standard STU 09 “Risk Management” has been developed and made available in the public domain, which defines the responsibility, content and procedure for performing risk management work in the implementation of the processes and procedures of the YKSUG. The standard is aimed at improving the effectiveness and efficiency of the functioning of the university, as well as increasing the satisfaction of all stakeholders. The presence of a systematic approach to the analysis and quality assurance of the EP implementation is based on an expert assessment of data from all categories of stakeholders and is confirmed four times by the award of the title of laureate of the competition for “Award of the Government of the Republic of Belarus for achievements in the area of quality".

Strengths for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1 -70 80 01 "Construction of Buildings and Structures":

All participants in the educational process of the university successfully implement the quality assurance policy, confirmed as the best by the Government of the Republic of Belarus, and which is the result of the development of one team consisting of external and internal stakeholders.

EEC recommendations for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1 -70 80 01 "Construction of Buildings and Structures" - none.

The conclusion of the EEC according to the criterion of the standard "Quality Assurance Policy" for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1- 31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures" - a strong position.

6.2. ESG. Part 1. Standard «DEVELOPMENT AND APPROVAL OF THE PROGRAM»

Standard:
The educational organization should have mechanisms for developing and approving its programs. Programs should be designed in accordance with the set goals, including the expected learning outcomes. The qualifications obtained as a result of mastering the program should be clearly defined, as well as explained, and should correspond to a certain level of the national qualifications framework in higher education and, consequently, the qualifications framework in the European Higher Education Area.

Recommendations:
Educational programs are the basis for the formation of the educational mission of a higher educational institution. They provide students with both academic knowledge and the necessary competencies, including transferable ones, which can have an impact on their personal development and can be used in their future careers.

When developing their programs, educational organizations should ensure:
• compliance of the programs objectives with the institutional strategy and the presence of clearly defined expected learning outcomes;
• participation of students and other stakeholders in the development of the program;
• conducting external expertise and availability of reference and information resources;
• achieving the four goals of higher education defined by the Council of Europe (see Scope and Concepts);
• unhindered advancement of the student in the process of mastering the program;
• determination of the expected workload of students (for example, in ECTS).
• providing opportunities for practical training (where necessary);
• the process of official approval of the program at the institutional level.

Evidentiary part

Accredited educational programs are developed in accordance with educational standards: 1-31 04 01 "Physics (majors)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (majors)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures".

Specialized competencies are established by the university, taking into account the direction of the EP based on the requirements of the labor market, generalization of foreign experience, consultations with employers and are reflected in the competencies of the approved curricula. Based on the results of the training, graduates are issued a Diploma of higher education with the assignment of qualifications and an extract from the test and examination sheet indicating the list of studied academic disciplines, educational and industrial practices with marks, the amount of academic hours and the number of credit units, the topic of the diploma thesis, the results of the final certification. In accordance with the updated edition of the Code of the Republic of Belarus on Education, a supplement to the Bachelor's degree and Master's degree is also issued in accordance with the pan-European model "Diploma Supplement".

All the necessary conditions have been created for students' successful learning, such as the availability of an educational portal, educational and methodological rooms, research centers and laboratories (the "Educational Resources" standard).

The university undergoes an accreditation procedure every five years. The university successfully passed the regular state accreditation in 2019 (order No. 353 of the Ministry of Education of the Republic of Belarus dated April 29, 2019, Certificate No. 0008672 on state accreditation). Based on the results of state accreditation, the Action Plan to eliminate deficiencies and implement proposals has been fully implemented.

EEC confirms that representatives of educational institutions and customers of personnel are involved in the process of development and implementation of accredited EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures" (Table 7), as evidenced by positive responses to interviews with target groups. For example, students take part in the development of EP 1-31 80 11 "Biochemistry": Akulo A.D. (SDP-BIO-201), Baygot E.S. (SDP-BIO 194), Ermolenko D.A. (SDP-BIO-201), Zolotykh I.E. (SDP-BE-191), Savchik M.A. (SDP-BE-201), etc. The requirements of stakeholders for the formation of key competencies of graduates are discussed annually at meetings of the Coordinating Councils. Curricula of specialties are coordinated with the basic organizations. To implement the EP, taking into account the requirements of the regional labor market, highly professional specialists from educational institutions are involved.

EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures" are developed and implemented in full accordance with the goals, objectives and learning outcomes.

The learning outcomes of accredited EPs are determined by the competencies obtained, which are prescribed out in the developed models of graduates.

The qualifications obtained as a result of mastering the Bachelor's and Master's programs correspond to the level of the national qualifications framework in higher education and the framework of qualifications in the European Higher Education Area. The competence model of a graduate includes the formation of solid professional competencies and flexible over-subject

competencies. To monitor the quality of education at the university, a system has been organized to control the organization and conduct of intermediate and final certification, which has effective mechanisms for ensuring the achievement and adjustment of the planned results of the EP.

According to the Code on Education of the Republic of Belarus (clause 7, article 16), a list of specialties for which it is not allowed to receive education in the part-time, correspondence, remote forms, is determined by the Government of the Republic of Belarus, e.g. education in the specialty 1-31 04 01 "Physics (scientific and pedagogical activity)" can only be obtained in full-time form.

The Republic of Belarus uses a system of credit units. In the educational standards of specialties, standard curricula, the load of students involves writing term papers, educational and industrial practices, diploma project, modules, academic disciplines and is expressed in credit units. According to the Instructions for calculating the labor intensity of educational programs of higher education using credit units, approved by the Minister of Education of the Republic of Belarus dated April 6, 2015, one credit unit corresponds to 36–40 academic hours. The duration of an academic hour is set to 40–45 minutes. When implementing practice and graduation project, 1 week is considered equal to 1.5 credits (54 hours). Credit units for additional types of training are not awarded. The ratio of the volume of classroom and independent work of the student is determined by the Model of the educational standard of higher education of the 1st level. All types of classroom and extracurricular work of a student are 54 academic hours per week, of which 24-32 are mandatory classroom hours, including electives it makes up to 40 hours. Studying in accredited Master's programs implies the predominance of self-study time over the classroom load.

Analytical part

Academic disciplines for accredited EPs are sufficiently equipped with educational and didactic materials with a modern level of content and performance. Educational and didactic materials are developed by qualified teachers at a high scientific and methodological level and are aimed at developing competencies in accordance with EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures". All disciplines are provided with guidelines for independent implementation of practical tasks and laboratory works.

In the course of the EEC work, the content of the accredited EPs was analyzed, and it was found out that all disciplines reflect the competencies of the basic profile of the graduate of the accredited programs. At the same time, EEC experts note that the content of EP 1-31 80 20 "Applied Physics" does not contain uniqueness and individuality.

The algorithm for the development and approval of the EP was worked out in detail, indicating all the procedures. All interested parties, both teaching staff and employers, are involved in the development and approval of the EP. During the survey of students, their participation in the development of the BEP was confirmed. EEC experts note the active participation of external and internal stakeholders in the development and approval of educational programs 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry". For example, representatives of the following biological and biochemical organizations are involved on a permanent basis: OJSC “Grodno Azot”, a branch of the Khimvolokno plant, the education department of the Lida regional executive committee, the ‘Zubrenok’ RDCZ, and the education department. Dyatlovsky District Executive Committee, LLC "Nesvizh Baby Food Plant", CJSC "Belarusian National Biotechnological Corporation", Education Department of the Grodno District Executive Committee, RNIUP "Institute of Biochemistry of Biologically Active Compounds of the National Academy of Sciences of Belarus". The process of questioning students revealed their active participation in the development of the EP, e.g., Akulo A.D. (SDP-BIO-201), Baygot E.S. (SDP-BIO 194), Ermolenko D.A. (SDP-BIO-201), Zolotykh I.E. (SDP-BE-191), Savchik M.A. (SDP-BE-201), etc.

EEC experts draw the attention of the management of accredited EPs to a good opportunity to more actively involve representatives from university student associations in the design and

revision of educational programs, since when interviewing this category of people, students showed themselves to be quite professional experts in terms of ensuring the quality of the content of training programs.

Informing about changes in the BEP is carried out at meetings of the departments, educational and methodological councils. Interested parties are informed about upcoming meetings on the consideration of educational programs.

The results of the survey of faculty members showed that:

- Development of new educational programs, academic disciplines, teaching methods delivered have been assessed as “excellent” by 40 people (80%), “good” - 9 pers. (18%);

- The management of the educational institution pays attention to the content of the educational program – “excellent” by 39 people (78%), “good” - 11 pers. (22%).

Strengths/Best practices

Strengths for EP 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and OP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry):

All stakeholders, including employers, as well as academic staff and students in the Coordinating Council are involved in the development and approval of educational programs 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry).

EEC recommendation for EP 1-31 80 20 "Applied Physics":

The leadership of the EP, by the beginning of the 2023-2024 academic year, to determine the uniqueness and individuality of the EP content, by adjusting the internal content of disciplines / courses or by forming new training modules of a distinctive character from the similar programs.

The conclusion of the EEC according to the criterion of the standard "Development and approval of the program" for the EP:

- 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry) - a strong position.

- 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied physics", 1-70 80 01 "Construction of Buildings and Structures" - a satisfactory position.

6.3. ESG. Part 1. Standard "STUDENT-CENTERED LEARNING AND ASSESSMENT"

Standard:
The educational organization should ensure the implementation of the program in such a way as to encourage students to play an active role in the joint construction of the educational process, and ensure that the assessment of students reflects this approach.

Recommendations:
Student-centered learning plays an important role in increasing students' motivation, self-reflection and involvement in the learning process. For the educational organization, the introduction of student-centered learning requires a balanced approach to the development and implementation of an educational program and evaluation of learning outcomes.

While implementing the principle of student-centered learning, the organization of education should ensure:
• respect and attention to different groups of students and their needs, providing flexible learning paths;
• use of various teaching methods (where appropriate);
• flexible use of a variety of pedagogical methods;
• regular feedback on the techniques and methods used to evaluate and adjust pedagogical methods;
• support of the student's autonomy with proper guidance and assistance from the teacher at the same time;
• strengthening mutual respect between the teacher and the student;
• availability of appropriate procedures for responding to student complaints.

Taking into account the importance of assessing students' academic performance for their future careers, quality assurance mechanisms for assessment should take into account the following:
• Evaluators should be familiar with the methods of testing and verifying students' knowledge and improve their own

competence in this area;
• Evaluation criteria and methods should be published in advance;
• Assessment should allow students to demonstrate the level of achievement of the planned learning outcome. The student should receive feedback, and, if necessary, advice on the learning process;
• The examination should be conducted by more than one examiner, where possible;
• Evaluation rules should include consideration of mitigating circumstances;
• The assessment should be consistent, objective in relation to all students and conducted in accordance with the established rules;
• A formal appeal procedure should be provided.

Evidentiary part

The implementation of the student-centered model of education is provided for by the Strategy of the YKSUG for 2021-2025, which is confirmed by the ability of each student to form an individual profile of competencies and choose their own educational trajectory associated with the choice of courses, electives, practice bases, topics of course and diploma projects aimed at ensuring professional competencies. Students complete their graduation projects (works) and Master's theses within the framework of research projects of departments and scientific laboratories. In accordance with the Catalog of elective disciplines, students can choose disciplines for the formation of specialized skills and competencies. It is important to note that individual curricula take into account the peculiarities of obtaining education by students who combine education at the university with work in the profile of the specialty they receive, who are on an internship or academic mobility program, and who are not able to temporarily attend classes.

YKSUG provides equal opportunities for different groups of students, taking into account individual needs and opportunities. The individual characteristics of students are identified through psychological and pedagogical testing, which is carried out in the first month of SPPS training, as well as on the basis of participation in the competitions "Alma mater - love from the first year", "Miss and Mister University", "Student of the Year", etc., which allow students to be involved in relevant activities in areas. The identified features are analyzed by the tutors of the study groups, taken into account in the process of implementing the EP, and psychological counseling is provided. Students have the opportunity to transfer to receive education at another university, in another specialty, or to recover after the elimination of the academic difference. There is a system for providing discounts on tuition and benefits.

The EEC notes the presence of facts of dissemination of experience in the introduction of innovative pedagogical technologies in the educational process. For example, at the Faculty of Biology and Ecology Kovalevskaya L.V. carried out a research to identify the pedagogical conditions for the use of pedagogical diagnostics in the organization of independent work of students during her teaching the discipline "Systematics of higher plants". In 2016, the university created an electronic scientific and methodological journal "University of Educational Innovations", whose activities are focused on disseminating the experience of introducing innovative pedagogical technologies into the educational process. Thus, at the Department of General Physics, at the expense of the second half of the working day, the topic “Methods of teaching physics in higher education” was carried out, within the framework of which educational and methodological work was carried out in physics and related disciplines. The academic staff of the Department of General Physics and the Department of Theoretical Physics and Thermal Engineering have published 17 scientific papers over the past 5 years, which propose innovative approaches to teaching certain sections and topics in physics and related disciplines. Teachers publish their methodological developments of educational heuristic tasks in the workshops of the interuniversity series “Creative Education” and take part in international technical assistance projects aimed at improving teaching, improving the work of teaching staff and ensuring the quality of education.

In order to monitor the effectiveness of various educational methods introduction in the implementation of accredited EPs, the annual survey of students “Student satisfaction assessment”, “Graduate satisfaction assessment”, as well as an analysis of students' appeals are conducted annually. The discussion of the applied teaching methods is held at meetings of the

council of student group' monitors and commissions for the analysis of the examination session, which includes students.

When assessing the progress of students, the transparency and accessibility of these procedures is ensured by the free access of all interested parties to regulatory documents related to the educational process, as well as electronic teaching materials of disciplines with the obligatory involvement of external experts as members of the SEC. In 2021, the module "Criteria for assessing educational achievements" was included in the "Intensive for Young Teachers".

All ongoing professional development programs are of an activity nature, conducted using the platform "University of Educational Innovations" with the placement of all teaching materials and methodological developments of the faculty. For example, ISF teachers (Volik A.R., Bulai T.V., Musafirov E.V., Barsukov E.G., Safonchik D.I., participating in the EP "Construction of Buildings and Structures" underwent internships outside the Republic of Belarus (see. Standard "AS"), Head of the Department of Zoology and Human and Animal Physiology, Candidate of Biological Sciences, Associate Professor Olga Yanchurevich completed a refresher course under the program "Implementation of case technologies in the system of practice-oriented training of specialists." Professional development is provided for annually in the ECF plans. Teachers of faculties must undergo advanced retraining once in 5 years (more often if necessary).

All ongoing professional development programs are activity based. The procedure for conducting and types of certification are determined by the following legal documents:

- Rules for attestation of students, cadets, listeners in the development of the content of the EP of higher education, approved by the Decree of the Ministry of Defense of the Republic of Belarus dated May 29, 2012, No. 53;
- Regulations on the accumulative system for assessing the educational achievements of students;
- A leaflet recommended by the SMC (minutes of the sitting No. 9, dated 03.12.2021);
- The methodology for conducting state exams using the project approach in the specialties of the 1st stage of higher education;
- STU 20 (P 20-019);
- STU 20 (P 20-031).

Analytical part

Interviews of students showed that students in accredited EPs have academic freedom in choosing an educational trajectory and a teacher, they are given an opportunity to assess the professional qualities of teaching staff through the questionnaire "Teacher through the eyes of a student". Also, interviews with students confirmed their awareness of the benefits, scholarships and various incentives, support measures. The teaching staff of accredited EPs regularly publish various textbooks and teaching aids in the disciplines they read, and their own research on teaching methods is available and implemented by the teaching staff.

In the process of introducing modern methods of teaching and learning at graduating departments, scientific and methodological and educational materials, teaching aids, educational and methodological complexes for disciplines, electronic educational complexes are being developed, suggesting flexibility, adaptability, variability in the study and development of the discipline. To organize independent work and improve the individual training of students, electronic reading rooms are functioning.

The introduction of modern teaching methods by the teachers of the department into the educational process allows for a flexible combination of independent cognitive activity of students with various sources of information, systematic interaction with the course teacher and group work of students, and contributes to the achievement of the planned learning outcomes for the educational program. Analysis of student-centered learning implementation and the objectivity of knowledge assessment processes are carried out on the basis of a deep analysis of curricula, a catalog of elective disciplines, class schedules, individual student plans, internal regulations governing the implementation of educational programs, teaching methods and organizing

independent work of students, applied assessment methods and technologies learning outcomes, interviewing and questioning of students, teaching staff and employers.

Complete satisfaction with the availability of academic counseling for students was expressed by 88.9% of respondents; satisfaction with the existing educational resources of the university - 83.3%. During interviews, students noted the existence and functioning of a conflict resolution system.

When attending classes in accredited EPs, in particular in EP 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) "Methods for solving problems in biology and chemistry" (practical class), provided by the lecturer Kovalevskaya L.V., for 3rd year students and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry) "Nutritiology" (practical class), by the lecturer Sychevskaya N.V. for the 2nd year Master's students with foreign students in English, experts note the classical style of presenting the material.

EEC recommendations for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1 -70 80 01 "Construction of Buildings and Structures": none.

Conclusions of the EEC according to the criterion of the standard "Student-centered learning and performance assessment" for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures" - a satisfactory position.

6.4. ESG. Part 1. Standard "ADMISSION, PERFORMANCE, RECOGNITION AND CERTIFICATION OF STUDENTS"

Standard:
The educational organization must have pre-defined, published and consistently applied rules governing all periods of the student "life cycle", i.e., admission, academic performance, recognition and certification.

Recommendations:
Provision of the conditions and support necessary for students to develop an academic career in the interests of individual students, programs, educational organization and systems. Appropriate admission, recognition and graduation procedures play an important role in this process, especially when there is student mobility within higher education systems.
It is important that the access policy, processes and criteria for admission of students are implemented consistently and transparently. Familiarity with the educational organization and the program should be provided.
The educational organization should have mechanisms and tools in place to collect, monitor and follow up on information about students' academic achievements.
Objective recognition of higher education qualifications, periods of study and prior education, including recognition of non-formal education, is an integral component of ensuring students' academic performance in the learning process, and promotes mobility. In order to guarantee proper recognition procedures, the educational organization must:
• Ensure that the actions of the educational organization comply with the Lisbon Recognition Convention;
• Collaborate with other educational organizations and national ENIC/NARIC centers to ensure comparable recognition of qualifications in the country.
Graduation represents the culmination of a student's period of study. Educational organizations should provide students with documents confirming their qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received, and evidence of its completion.

Evidentiary part

The entire procedure for the admission of students is regulated by the "Rules for the admission of persons for higher education", approved by Decree of the President of the Republic of Belarus No. 23 of 01/27/2022 and is carried out in accordance with the proposals of educational organizations. Every year YKSUG develops a plan for career guidance and marketing activities, programs for attracting applicants, the Council for Career Guidance and Marketing Activities functions, and career guidance events for applicants are held.

Since 2022, the specialized service “Digital Admissions Committee” has been updated at YKSUG, which optimizes the processes of submitting documents, informing and remotely consulting applicants; the “Applicant” information and reference service operates using multi-channel phones of the fixed network and mobile networks, career guidance events, Open days of faculties and departments, Olympiads are held for applicants, as well as competitions, video broadcasts, video tours, excursions for students of accredited EPs, including EP 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry" of the profile camp "Teacher NEXT. All current regulatory documents are presented on the website www.YKSUG.by in the "Education" section.

Based on the decision of the University Council dated November 24, 2021, approved by the Rector’s order dated November 26, 2021 No. 1400, the student rating has been introduced in the educational institution since the 2021–2022 academic year. The analysis of the results of the rating of students is regularly carried out. The management of the university is implementing the project "University 3.0", within the framework of which an innovative business environment is being formed (Studio of projects and start-ups, Technology Transfer Center, Technopark), and the Fund for Innovative Development has been created. To generate ideas, the PA uses a system to stimulate the participation of staff in external (“100 ideas for Belarus”, a competition for grants from the Ministry of Education of the Republic of Belarus for graduate students, etc.) and internal competitions (providing grants by the Rector for writing candidate and doctoral dissertations, a project competition “InNaStart, etc.). The implementation of ideas is carried out at the expense of special funds (the university's innovative development fund, the Talented Youth financial support fund, etc.).

The university provides equal conditions for all applicants, regardless of their status and physical capabilities. To ensure transparency, the following electronic means are used: websites, social media accounts, etc., corporate media, communications based on interpersonal communication and specialized events, electronic and paper media.

Analytical part

The university has a Concept for organizing work with gifted and talented youth, approved by the Rector’s order No. 27, dated January 16, 2019, the Council for Work with Gifted and Talented Youth, approved the Rector’s order No. 556, dated April 15, 2019, and Regulations on the data bank of gifted and talented youth, approved by the Rector’s order No. 1133, dated August 26, 2019. Moreover, since the academic year 2021-2022, a student learning outcomes rating has been introduced. YKSUG implements the concept of "University 3.0", within the framework of which an innovative business environment is being formed: the Project and Startup Studio, the Technology Transfer Center, the Technopark, the Innovative Development Fund; a system is used to stimulate the participation of personnel in competitions.

Academic mobility is achieved through the implementation of international programs, international agreements, agreements concluded between the university and the organization of a foreign state.

The demand for graduates among experts is beyond doubt. A high level of education, regular updating of the content of the accredited EPs, as well as career guidance work carried out by the management and teaching staff of the EPs of the accredited faculties of biology and ecology allows us to fulfill the annual plan for recruiting applicants at the expense of the state budget and on a paid basis.

It should be noted that a good opportunity for students of accredited EPs in terms of implementing dual training and preparing students for professional certification is: close relationship with employers and the opportunity to study on the basis of enterprises not only during summer professional practices, but also during the training period, the availability of modern equipment in laboratories of accredited departments similar to manufacturing industries, etc. At interviews with employers and representatives from practice bases, as well as during a conversation with students and graduates of the EP, a desire was voiced to strengthen the practice orientation of students by organizing practical classes at enterprises in all profiles of the EP.

It is recommended that the EP documentation of all directions include disciplines aimed at preparing students for professional certification after graduation from the university. Within the disciplines aimed at preparing for professional certification, the student will gain enough knowledge to successfully pass the certification exam, thereby gaining more employment opportunities after graduation. In addition, experts note good opportunities for students to obtain additional competencies as part of advanced training together with teaching staff, with participation in seminars, conferences, round tables, trainings, etc.

The university has got an excellent potential for providing students with additional professional competencies that will enable students to be more in demand and competitive after graduation due to various qualifications obtained during their studies, conducting professional certifications of students, developing and implementing programs for assigning micro-qualifications to students, etc. The internal work of developing massive open online courses should also not work only in one-way direction. It is also necessary to involve the students in studying external courses from open platforms to develop their professional skills. *The university authorities need to move* to the format of non-formal learning methods recognition.

EEC recommendations for EP 131 04 01 "Physics (by directions)", 1-31 80 20 "Applied physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures":

The University management and the leaders of the EP, starting from 2023, in their development plans, should plan activities to organize the preparation of students for professional certification, including the criterion for analyzing the content of the EP and updating them to include modules / courses that allow students to purposefully prepare for mastering the specific professional courses certification after graduation.

The documented procedures for non-formal and informal learning should be updated, taking into account their results; inform students and academic staff of accredited EPs about the possibilities of taking into account learning outcomes when using non-formal and informal learning; by the beginning of the academic year 2023-2024, develop an algorithm for confirming the results of such learning in the Regulations of the University.

The conclusion of the EEC according to the criterion of the standard "Admission, academic performance, recognition and certification of students" for EP 1-31 04 01 "Physics (in directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (in directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures" - a satisfactory position.

6.5. ESG. Part 1. Standard “ACADEMIC STAFF”

Standard:
The organization of education should have objective and transparent processes of recruitment, professional growth and development of all personnel, which allow it to ensure the competence of its teachers.

Recommendations:
The role of the teacher is the main one in high-quality education and the acquisition of knowledge, competencies and skills. The diversification of the student body and strict focus on learning outcomes require a student-centered approach, and, consequently, a change in the role of the teacher (see standard 1.3).

Educational organizations are primarily responsible for the quality of their employees and for providing favorable conditions for their effective work. Therefore, educational organizations should:
• While recognizing the importance of teaching, develop clear, transparent and objective criteria for hiring, appointment, promotion, dismissal; and follow them in their activities;
• Provide opportunities for career growth and professional development of teachers;
• Encourage scientific activities to strengthen the link between education and scientific research;
• Encourage innovative teaching methods and the use of advanced technologies.

Evidentiary part

The personnel policy of the YKSUG was approved by order No. 628, dated April 25, 2022 and is regulated by STU 12 “Personnel Management”. Personnel policy and STU 12 "Personnel Management" are posted on the university's corporate portal. Employment and conclusion of labor agreements (contracts) for the positions of Deans is carried out by the University Rector based on the recommendations of the Faculty Council and the decision of the University Council. The selection of personnel for teaching staff positions is carried out on the basis of a competition for filling vacant positions.

The EEC confirms that the provision of teaching staff of accredited EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 " Biochemistry”, 1-70 80 01 “Construction of Buildings and Structures” complies with the requirements of regulatory legal acts regulating the activities of a higher education institution. EP of cluster 3 are provided with qualified teaching staff. Teachers have education and / or additional professional education corresponding to the academic disciplines taught; also, all teachers regularly undergo advanced retraining in accordance with the requirements.

In full compliance with UQDPE "Positions of employees employed in education", STU 12 "Personnel management", P 12-012 Guidelines for the development, execution and approval of job descriptions, the university developed and approved job descriptions for teaching staff. The job description is developed and approved in accordance with the requirements of the "Job Responsibilities" of the qualification characteristics of the position of the employee he/she occupies. The approved job descriptions are posted on the university's corporate portal (https://intra.YKSUG.by/node/381).

The distribution of the teaching load of the teaching staff of the accredited EP of cluster 3 allows to ensure the high quality of the educational process and competitiveness. Moreover, the faculties implement an interdisciplinary approach not only in teaching, but also in scientific research. For example, this fact is reflected in the interdisciplinary topics of graduation theses at the Department of Biochemistry (e.g. “Biological substantiation of environmental aspects in emergency situations: an electronic information and educational resource for organizing the educational process in the discipline “Human Safety”) - EP 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry".

Annually, the YKSUG develops a "Plan of internships for teachers of general professional and special disciplines abroad" as part of the implementation of a set of measures of the subprogram "Higher Education" of the State Program "Education and Youth Policy", approved by the Ministry of Education of the Republic of Belarus. The organization of advanced training of university employees is presented in A 12-004 STU 12 "Personnel Management". The comprehensive plan is posted on the university's corporate portal (https://intra.YKSUG.by/node/739). Advanced retraining is envisaged annually in the plan of activities of the faculties of accredited EPs.

The EEC experts note a good relationship between the leaders of the educational programs and international educational organizations. Over the past 5 years, teachers of faculties within the framework of accredited EPs have visited: the Russian Federation, China, Slovenia, Poland, Uzbekistan, Spain, Latvia, etc. The results were cooperation agreements signed. For example, in 2019, 2020 Professor of ECF Barsukov V.G. lectured at the Bialystok Polytechnic University, Poland, in 2022 - for students of the Novosibirsk State University of Civil Engineering (Sibstrin), (RF); Musafirov E.V. visited the College of Yangzhou University (Yangzhou, China), Safonchik D.I. presented the results of his research in China and others. At the FB&E Yanchurevich O.V. took part in the congress in Milan (Italy); Tretyakova O.M. completed an internship within Erasmus+ in Slovenia and Romania; Sozinov O.V., Kremleva O.E., Yukhnevich G.G., Bashun N.Z. were trained in the Russian Federation. In October 2022, Yukhnevich G.G. delivered lectures using ICT for students of Peter the Great St. Petersburg Polytechnic University.

Scientific partners of the Department of Biochemistry are Tsinghua University, Institute of Biomechanics and Medical Engineering (Beijing, China, Prof. Hucheng Zhao), University of

Bialystok (Bialystok, Poland, prof. M. Zamaraeva), University of Lodz (Lodz, Poland, Prof. M Bryszewska, Prof. B. Palech).

The EEC experts confirm the consistently active research activities of the teaching staff of accredited EPs. For example, 2 scientific projects are being implemented at the Department of Biochemistry: the BRFBR-Ministry of Education-M project (2020-2022) “Correction of mitochondrial disorders with plant polyphenols and their complexes with cyclodextrins under oxidative stress in vitro and in vivo” and “Correction of the bioenergetic function of rat heart mitochondria: the mechanism of the cardioprotective action of natural polyphenols and quinones”, State Research Program for 2021-2025 “Convergence-2025”, subprogram “Interdisciplinary research and new emerging technologies”. Undergraduates of the Department take part in the implementation of scientific projects on a contract basis as project executors, undergraduate and graduate students carry out their theses and projects within the framework of state budget programs (e.g., “Activity of mitochondrial enzymes in the presence of plant polyphenols under oxidative stress”). In 2020, the working-out by the group of authors of the Department of Biochemistry of the Yanka Kupala State University of Grodno, headed by Professor I.B. Zavodnik and the Institute of Biochemistry of Biologically Active Compounds of the National Academy of Sciences "Biomedical technologies for the restoration of liver cells based on a complex of physiologically active compounds with high antioxidant and anti-inflammatory activity" is included in the Top 10 results of Belarusian scientists for 2020.

Moreover, the Department of Zoology and Physiology of Humans and Animals has a branch at the Grodno Zoological Park, where the zoological and botanical practice of students takes place and research work is carried out. The department regularly hosts the International Scientific and Practical Conference "Zoological Readings", in which zoologists from different countries take part and our students speak; there is a School of Exact Sciences in Biology for school grades 7-11, where future applicants, students of schools and Olympiad participants are trained.

During 2021, at the Department of General Physics and the Department of Theoretical Physics and Thermal Engineering, which provide teaching of special disciplines of the EP "Physics" and "Applied Physics", 32 funded scientific topics were carried out in the amount of 340.2 thousand BYN (order No.299 dated March 23, 2021), and 368.6 thousand BYN are planned for 2022 (order No. 294 dated March 9, 2022), which is more than 15 thousand BYN annually per one full-time teacher. The departments maintain close scientific contacts with the leading scientific centers of the Republic of Belarus, the Institutes of Physics in Russia and Ukraine, as well as those in France and Canada. For more than 20 years, the FTF have been organizing and holding the international scientific conference "Physics of Condensed Matter". The Faculty has established and operates the Student Scientific Society. The student design bureau "Practical Electronics" is especially active in their work.

The employees of the graduation Department of Biochemistry and the Department of Zoology and Human and Animal Physiology have a high Hirsch index (Ih), which confirms the high publication activity of teaching staff involved in the implementation of accredited EP 1-31 01 01 Biology (by directions) (6- 05-0511-01 Biology) and OP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry), e.g.: Zavodnik Ilya Borisovich, ih 27, over the past 5 years - 16, citations - 2258, over the past 5 years - 815, 1st place in the academic staff rating for Ih.

Bulai T.V., a lecturer at the Department of Construction Production, presented her scientific developments on the live program of the Belarus 4 TV channel, dedicated to the Day of Belarusian Science. SSL, SCB operate at the ECF, the results of which are successfully presented at competitions and exhibitions. Every year they organize and participate in the IX International Student Scientific Conference "Traditions, Modern Problems and Prospects for the Development of Construction".

The EEC experts note that academic staff of accredited EPs use modern teaching methods in the educational process. For example, the teaching staff of the Department of Biochemistry and the Department of Zoology and Human and Animal Physiology are actively working at the development of modern teaching methods - more than twenty electronic educational and methodological complexes have been developed that have received state registration, which, of

course, *is the best practice and transmission of unique experience.* Textbooks have been introduced into the educational process of schools and universities in Grodno.

Analytical part

The teaching staff, including accredited EP of cluster 3, is the main resource for ensuring the mission of the university. YKSUG manages the human resources potential of teaching staff in accordance with its development strategy and taking into account the specifics of accredited EPs.

The analysis of the publication activity of the teaching staff of the graduation departments of the EP of cluster 3 *shows high and stable rates of scientific results* publication in rating journals. The results of scientific research have been published in such high-ranking scientific publications as Biochimica Biophysica Acta, Journal Molecular Liquids, Journal of Biological Membranes, Journal of Function Food, Food and Function, Physics and Chemistry of Liquids and a number of other international journals.

At the faculties of the accredited EP of cluster 3 an interdisciplinary approach is implemented not only in teaching, but also in scientific research. This is achieved through the implementation of interdisciplinary theses, projects and Master's theses.

The active academic mobility of the teaching staff of the departments of the accredited educational programs extends not only to the universities of the Republic of Belarus, but also to foreign countries.

Strengths for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1 -70 80 01 "Construction of Buildings and Structures":

High professional competence of the academic staff of the EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 " Biochemistry", 1-70 80 01 "Construction of Buildings and Structures", having a fairly rich practical experience in scientific and educational activities, allow them to successfully apply their professionalism, both in the educational process and research activities.

Recommendations for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1- 70 80 01 "Construction of Buildings and Structures" - none.

Conclusion of the EEC according to the criterion of the standard "Academic staff" for 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures" - a strong position.

6.6. ESG. Part 1. Standard “EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEMS”

Standard:
The organization of education should ensure that sufficient, accessible and appropriate educational resources and student support services are available.

Recommendations:
During their studies, students need educational resources, which can be both material (libraries or computers) and human (mentors, curators and other consultants). The role of support services is particularly important for stimulating student mobility both within the educational system and between different higher education systems.
When allocating, planning and providing educational resources, support services should take into account the needs of various groups of students (adults, working, part-time students, international students, as well as students with disabilities) and take into account the trends of student-centered learning.
Support services and their activities should be organized taking into account the situation of a particular educational organization. Nevertheless, the internal quality system ensures that all resources are accessible and consistent with the learning objectives, as well as that students are informed about the services available.
When providing support services, the key role belongs to the administration and specialized services, therefore, the organization of education must ensure the professionalism of employees and opportunities for the development of

their competencies.

Evidentiary part

The material and technical base of the accredited educational programs is sufficiently provided with financial resources and educational infrastructure. For example, at the Department of Biochemistry and the Department of Zoology and Human and Animal Physiology, 6 educational laboratories have been created and are involved in the educational process, which are equipped with modern laboratory equipment: the Laboratory of Biochemistry, Invertebrates, Vertebrates, Cytology and Histology, Human and Animal Physiology, Anatomy. For a number of academic disciplines, the educational laboratory base of other departments is used. The faculty has 5 computer classrooms, all the classrooms are equipped with multimedia equipment.

To conduct laboratory work and research at the ECF, all training laboratories are equipped with the necessary equipment for providing laboratory classes and research: "Computer-aided design systems"; "Soil mechanics and geology"; "Geodesy"; "Engineering networks and equipment"; "Building construction"; Educational and research laboratory of building materials science, "Mechanics and graphics".

The EEC experts note the excellent equipment of the material and technical base for the implementation of EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics". There are the following laboratories functioning at the faculty:

- atomic and nuclear physics,
- automation of measurements, mechanics,
- Molecular physics,
- optics,
- electricity and magnetism,
- computer modeling of physical processes,
- laser technologies and methods of teaching physics,
- thermodynamics, hydrodynamics and heat transfer, which in terms of their equipment include more than 180 units of educational laboratory equipment for the implementation of the EP. In the passports of all laboratories published on the web page of the department, detailed information is provided on the methodological equipment of laboratory classes, on the educational equipment of laboratories, on the list of TNLA that regulate the activities of laboratories; passports are presented with a description of laboratory work and a list of academic disciplines conducted in educational laboratories.

In addition, in order to implement the EP and conduct research work, physicists have the opportunity to work in scientific laboratories equipped with modern equipment similar to the relevant industries: 3D scanning confocal Raman microscope with a Nanofinder S spectrometer (Solar TII, Belarus), equipped with two semiconductor lasers, IR-Fourier spectrometer Nicolet iS 10 (Thermo Fisher Scientific); AFM microscope Ntegra Spectra Solar (NT-MDT, Russia); an upgraded Raman spectrometer based on the DFS-52 facility (LOMO, Russia), a SM2203 spectrofluorimeter (Solar, Belarus); a pulse spectrofluorimeter with subnanosecond time resolution created by specialists of the department based on modules manufactured by Picoquant (Germany); spectrophotometer for studying absorption and specular reflection spectra in the visible and ultraviolet spectral range Specord 200 (Carl Zeiss, Germany); gas and semiconductor lasers emitting light in the range from 402 to 633 nm, in assortment (Omnichrome, USA; Picoquant, Germany); pulsed excitation sources: nitrogen lamps, picosecond LEDs and semiconductor lasers (Picoquant, Germany); personal computers with original software for molecular analysis, modeling, data processing, and equipment control; measuring instruments (oscilloscopes, functional generators, millivoltmeters, combined instruments, power supplies, laser radiation power meters, pH meters, etc.) in assortment, etc.

A regional resource center of the National GRID-network of the Republic of Belarus was created at the department. The basis of the center is the SKIF K-1000 cluster based on 288 AMD OpteronT processors, which was created according to the project and order of the Joint Institute for Informatics Problems of the National Academy of Sciences of Belarus. The development and

production of cluster computing nodes, as well as the assembly and installation of a test configuration of the system were carried out by the Russian company T-Platforms in cooperation with the Institute of Software Systems of the Russian Academy of Sciences. The peak performance of the cluster is 1.25 teraflops, the real performance on the Linpack test is 1.016 teraflops. Modern equipment of educational and scientific laboratories allows for an integrated approach to the organization of workplaces for students and employees of EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", combine devices into a single measuring system based on a PC and conduct scientific research.

The modernization of material resources is carried out on the basis of the Comprehensive Programs for the Development of Specialties, developed in the form F 27-022 in accordance with STU 27. Financing of the activities of the Comprehensive Programs for the Development of Specialties of Programs is carried out at the expense of the republican budget through the Ministry of Education of the Republic of Belarus, the State Committee for Science and Technology of the Republic of Belarus and extra-budgetary university funds. To improve the material and technical base and develop human resources, funds from projects under the ERASMUS + program are used.

The information system is a single information space for teachers, students and employees of all structural departments and services. It ensures the protection of processed personal data. The automated activity of the system embraces: the educational process (individual workload, curricula, electronic timetable, ACS "University", "Applicant", "GrGU Library"), scientific activities (research, conferences), personnel management (staff movement, orders, structure departments), the official website of the FBiE faculty (https://fbe.YKSUG.by/index.php/kafedry-fakulteta). Information systems also involve: intranet portal (https://intra.YKSUG.by), educational portal (https://edu.YKSUG.by), student personal account. Mobile applications "Schedule of the YKSUG", "Reminder to the freshman", "Mobile personal account" are used.

The main universal channel for students to access educational information is the YKSUG network educational platform – an educational portal based on the Moodle system, which allows the student to see the curricula and materials on the disciplines that are taught in the current academic year and were taught to him in previous courses according to the curricula. Students also have access to traditional and electronic resources of the scientific library: a catalog, a repository of a scientific library, subscriptions to external library databases (Ebsco, Elibrary.ru).

Regular questioning of students and teachers about satisfaction with the conditions of the educational process makes it possible to identify the degree of the educational program provision with material, technical and information resources.

According to the results of the survey, 90.7% of students are satisfied with the level of library resources availability, 88.9% of students are satisfied with the quality of services provided in libraries and reading rooms, 85.2% of students are satisfied with the support of educational materials in the learning process, and 70.4% are satisfied with the availability of health services for students, the availability of computer classes - 92.6% of students, the availability and quality of Internet resources - 70.4% of students.

Analytical part

The university has created conditions to meet the social, personal and everyday needs of students through the functioning of structural units that assist students in their educational process and address social issues. There is a steady improvement in material, technical, library and information resources for the implementation of the EP. The educational and laboratory facilities and the classroom fund correspond to the contingent of students and the educational programs being implemented, sanitary and epidemiological standards and safety requirements. The accessibility for teaching information and reference, as well as methodological materials necessary for the development of educational programs of the university are provided. In general, the infrastructure corresponds to the specifics of the implemented accredited EPs of the university. *However*, during the excursion within the walls of the university, the experts drew attention to the need to create conditions for barrier-free movement for people with disabilities.

The EEC experts point out the areas *necessary for further development*:

- The management of EP 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures"), should periodically monitor the existing equipment for similarity with those used in the relevant industries. If there are problematic issues related to the lack of equipment or other educational resources or the inability to purchase them in the near future, the university management is recommended to consider opening branches of departments that have the necessary resources for the implementation of the EP, and organizing classes at their resources.

Strengths for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics":

Sufficiently equipped, modern material and technical base for the implementation of EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", which allows all participants in the educational and scientific processes to apply their practical and theoretical skills on equipment, similar in the respective industries.

EEC recommendations for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1 -70 80 01 "Construction of Buildings and Structures"):

To the management of the university, in 2023 while planning the activity and financing documents, analyze the availability of measures to develop a barrier-free learning environment and working conditions for students and employees with special needs, in the absence of measures – include them, if available – update them, if necessary – supplement, and start implementing the points from the year 2023-2024.

Additional recommendation of the EEC for EP 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures"):

The management of EP 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures"), should include measures to increase the percentage ratio of courses / disciplines conducted at the bases of enterprises, branches of departments and begin their implementation starting from 2023-2024 academic year.

Conclusion of the EEC according to the criterion of the standard "Educational resources and student support systems" for the EP:

- 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied physics" - a strong position;

- 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures" - a satisfactory position.

6.7. ESG. Part 1. Standard “INFORMATION MANAGEMENT”

Standard:
An educational organization must ensure that it collects, analyzes and uses relevant information to effectively manage its activities and its educational programs.

Recommendations:
The presentation of reliable information is a necessary condition for making a decision. Educational organizations should use this information in order to know what works effectively and what needs to be improved. It is necessary to be sure that the educational organization has mechanisms for collecting and analyzing information about its activities, its educational programs, and uses the information obtained in the work of the internal quality assurance system.

What kind of information is collected depends to some extent on the type and mission of the EO. When collecting information, the EO should take into account the following:
• key performance indicators;
• information about the student contingent;
• academic performance, student achievements and dropout rates;

• *students' satisfaction with the implementation of programs;*
• *availability of educational resources and student support services;*
• *employment of graduates.*
Various methods of collecting information can be used. It is important that students and staff are involved in collecting and analyzing information and planning follow-up procedures.

Evidentiary part

At present, various computerized information systems are functioning at YKSUG to automate processes, provide reference support and organize communications between participants and interested parties. The composition of the information systems used is determined by STU 07 "Information and Knowledge Management".

The main information systems include: automated systems "Applicant"; "Library of YKSUG", Intranet portal, educational portal, official website of the university, e-mail of the university, websites of faculties of accredited educational programs, "One window". In addition, testing systems are used. Questionnaire information systems are used to conduct satisfaction surveys for all stakeholders.

The main information management processes are defined by the university standards: STU 01 "Strategic and operational planning, controlling activities, quality planning", STU 06 "Documentation management", STU 07 "Information and knowledge management", STU 23 "Methods and tools for data analysis".

In accordance with STU 01 and STU 09 “Risk Management”, when planning activities at all levels, an analysis of the external and internal environment is carried out annually, as a result of which risks and opportunities are formulated and their significance is assessed. Information about risks and opportunities is entered into work plans, which also provide for measures to compensate for risks (development strategy for faculties of accredited EPs, analysis of the implementation of the development strategy for faculties of accredited EPs, work plan for faculties of accredited EPs).

To provide access to information and knowledge, the following means are used: technical means, like automated information systems, university websites in Internet domains, abit.by, file storages, mobile applications, special software; traditional means and methods, such as library, archive, conferences, seminars, etc. Access to information is carried out by authorization. The main information resources of the university are: Service Intranet-portal; Official website of the university; Educational portal; Official website of the faculty; Thematic Internet sites of conferences, projects, etc.; ACS "University"; AIS "Library of GrGU".

The EEC experts note the well-structured design of the web page of the Department of General Physics accredited by EP 1-31 04 01 "Physics (by directions)", all the necessary information for external and internal stakeholders has been published: about the department, employees, fixed disciplines, scientific work, material and technical base, scientific equipment, educational equipment. The page is notable for its laconic design, the relevance of information about the educational, research, social and educational processes of the department. *In addition,* the department's documentation studied by the expert confirms the relevance of the content and compliance with the requirements for periodic updating of the content in accordance with the requests of employers.

The EEC experts confirm that the leaders and teaching staff of EP 1-70 80 01 "Construction of Buildings and Structures" have successfully demonstrated the active use of paperless technologies for collecting and processing information as part of the use of specialized software, e.g., the use of software systems: the license base "Stroydocument online", software licensed complexes "CREDO" (geodesic works), "Rainbow" (static calculations), "BETA" (calculations of reinforced concrete structures), "Estimate", "Autodesk" with all applications, which ensure the efficiency and quality of management decisions, contributing to personal and professional growth of all participants in the educational process (students and academic staff.)

According to the results of the survey, 38% answered the question about assessing the involvement of academic staff in the process of making managerial and strategic decisions as “very good”, 60% as “good”, and 2% as “unsatisfactory answers”.

Analytical part

The university has a developed system of information support and digitalization of the EP implementation. Widely used paperless technologies for collecting and processing information ensure the efficiency and quality of managerial decisions that contribute to the personal and professional growth of all participants in the educational process (students and teaching staff). To ensure and improve the internal quality assurance system, the following is used: the “Management System” reference website, information systems for questioning and conducting stakeholder satisfaction surveys, educational process control systems within the Educational Portal and Intranet Portal.

The official website of the YKSUG contains a “One Stop Shop” section designed to receive and process applications from external stakeholders. *However*, the “Management System” reference website on the main page of the Intranet web portal (https://intra.YKSUG.by/) does not function properly, showing an error when switching to the “Management System” tab (http://smu. YKSUG.by/).

As a result of the official pages of the accredited Departments of Biochemistry analysis (https://fbe.YKSUG.by/index.php/kafedry-fakulteta/kafedra-biokhimii) and the Department of Zoology and Human and Animal Physiology (https://fbe.YKSUG.by/ index.php/kafedry-fakulteta/kafedra-zoologii-i-fiziologii-cheloveka-i-zhivotnykh) on the university website, the EEC experts noted that these pages *are updated once a year and do not have a common structured external design format.*

EEC experts note the availability of the results of the survey of teaching staff, in which it is noted that:

- 46% of respondents are not satisfied with the conditions of remuneration;
- Academic staff sometimes face such inconveniences as:

1. Unbalanced study load by semester - 48%;
2. Unavailability of necessary literature in the library - 40%;
3. Overcrowded study groups (too many students in one group) - 20%;
4. Inconvenient schedule - 36%;
5. Lack of access to the Internet / weak Internet - 38%;
6. Students' lack of interest in learning - 66%;
7. Untimely receipt of information about events - 26%;
8. Lack of technical teaching aids in classrooms - 24%.

In addition, the questionnaires indicate the inconveniences that teaching staff face in their work: *the location of buildings, the need to move to different buildings when there is some teaching load at other faculties.*

Strengths for OP 1-31 04 01 "Physics (by directions)", 1-70 80 01 "Construction of Buildings and Structures":

The developed system of information support and digitalization of the implementation of EP 1-70 80 01 "Construction of Buildings and Structures".

Laconically structured site of EP 1-31 04 01 "Physics (by directions)".

EEC recommendations for EP 1-31 80 20 "Applied Physics", 1-31 04 01 "Physics (by directions)", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures":

Before the beginning of the 2023-2024 academic year, conduct an unscheduled extended anonymous survey of internal stakeholders on the subject of satisfaction with working conditions at the university. Based on the results of the analysis of the results of the survey, develop a plan

for corrective and preventive actions and begin their implementation with the publication of information on the work done for interested parties.

Additional recommendations of the EEC for EP 11-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry":

The management of EP 11-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry" needs to develop a common format for providing information on the site by 2023-2024 academic year.

The management of EP 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and OP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry), from 2023 should provide quarterly updates of information on the site in terms of EP.

Conclusion of the EEC according to the criterion of the standard "Information Management" for the EP: - 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures" 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry) - a satisfactory position;

- 1-31 04 01 "Physics (by directions)" - a strong position.

6.8. ESG. Part 1. Standard “PUBLIC AWARENESS”

Standard:
The educational organization should inform the public about its activities (including programs). The information must be clear, reliable, objective, relevant and accessible.

Recommendations:
Information about the activities of the educational organization is useful for both applicants and students, as well as for graduates, other stakeholders and the public.
Therefore, an educational organization should provide information about its activities, including implemented programs, expected learning outcomes for these programs, assigned qualifications, teaching, training, evaluation procedures, passing scores and educational opportunities provided to students, as well as information about graduate employment opportunities.

Evidentiary part

The processes of informing stakeholders in YKSUG are defined by information systems that ensure the activities of the university (internal informing – the EOS electronic document management system, corporate email, mobile messaging systems, intranet portal), as well as systems informing about the activities of the university – external informing, which is carried out through the following information resources:

- official website of the educational institution;
- website of the admission committee;
- the official website of the faculties, e.g., for EP 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry" (https://fbe.YKSUG.by/);
- scientific laboratories, e.g., according to EP 11-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics" - https://ftf.YKSUG.by/kafedry/obshchej-fiziki/materialno-tekhnicheskaya-baza/nauchnoe-equipment.html;
-information on the social network Instagram (https://www.instagram.com/YKSUG_biofac/?igshid=jb97yhn8i0nf); "In contact"; Youtube (https://www.youtube.com/channel/UCbTz5WTxCwDgY9RE87BNuRg/videos);
- publications in republican, regional and city mass media;
- meetings of the collegiate bodies of the faculty and the university with the invitation of interested persons.

Information processes at the university are regulated by the university management system (Standard STU 07 "Information and Knowledge Management").

The structure of the university website involves bringing to the stakeholders full information about the university, faculty and accredited EPs of cluster 3.

The EEC experts confirm that YKSUG informs potential customers regularly about the services provided in the field of education and science. The "Services" section on the YKSUG portal (https://market.YKSUG.by/) contains a list of educational and other services provided by faculties of accredited EPs, including those provided for students studying accredited EPs (https://market.YKSUG.by /faculty_services/fbe). *Experts note* the availability of courses in biology, preparation courses for Olympiads, etc. *In addition*, a list of scientific and technical services and ready-to-sale products of the faculty is presented for potential consumers of scientific and technical products of the FB&E faculty. Agreements have been concluded with the basic organizations of the FB&E, e.g., one of these types of cooperation is the Grodno Regional Committee of Natural Resources and Environmental Protection.

YKSUG holds unified information days monthly. To conduct unified information days, information and propaganda groups were created from among the leaders of the university and the EP. On the website of the faculties of the accredited EP of cluster 3, news about events related to the implementation of the EP, the achievements of students and teachers are presented promptly.

To familiarize the public with the results of scientific research, the scientific journal “Vesnik GrDU (Bulletin of the Yanka Kupala State University of Grodno)” is published, all 6 series of which are included in the List of Scientific Publications of the Republic of Belarus and indexed in the RSCI.

In order to inform the public, regional and national media are actively involved. Information about the implementation of the EP is presented both in the form of analytical reviews and in the format of news and interviews. Information about the university events (including accredited EPs) published in the media is summarized in the “Mass Media Writes About Us” section of the university website.

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

- Satisfaction with the usefulness of the website of educational organizations in general and faculties in particular makes 90.7%, 9.3% of students are partially satisfied;
- 70.4% are fully satisfied with the availability and quality of Internet resources, 25.9% of students are partially satisfied.

Analytical part

The university publishes information on various activities, such as: support and explanation of national development programs of the country and the system of higher and postgraduate education, international cooperation, results of external evaluation procedures, information for applicants, information on the structural divisions of the university, information for students, information on the website services, etc. The website contains information on the history of the university, the mission, the strategy according to which the university carries out its activities. The information on the website of the university is structured and up-to-date.

The management of the university carries out targeted actions to improve the content of relevant information and the design of the official website.

The analysis of the content of the official website of YKSUG, as well as interviews with students, staff and management staff has revealed that all information about the University is transparent and reliable, students and employees have the opportunity to contact the management on issues that require resolution through the official portal of the University. In addition, the website contains information on the financial activities of the University, general information on the teaching staff of the accredited EPs, information on open days, information on conferences for students.

At the same time, based on the results of interviews with target groups it was revealed that the University needs to work on updating *the procedure for informing* external and internal stakeholders on *the results of* activities planned based on the analysis of the results of social surveys, various types of questionnaires.

Strengths for EP 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry):

Availability of relevant and demanded information for internal and external stakeholders posted on various information sources.

Recommendations of EEC for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of buildings and constructions":

Starting from academic year 2023-2024, the responsible structural subdivision has to inform the interested parties about the work done with the deficiencies detected during the sociological surveys.

Conclusion of the EEC on the criterion of the standard "Public awareness" for EP:

- 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry) – a strong position

- 1-31 04 01 Physics (by directions), 1-31 80 20 Applied physics, 1-70 80 01 Construction of buildings and constructions – a satisfactory position

6.9. ESG. Part 1. Standard "ONGOING MONITORING AND PERIODIC PROGRAM EVALUATION"

Standard:

The educational organization should monitor and periodically evaluate programs in order to ensure that they achieve their goals and meet the needs of students and society. The results of these processes should lead to continuous improvement of programs. All stakeholders should be informed of any planned or undertaken actions regarding these programs.

Recommendations:

Constant monitoring, periodic evaluation and revision of educational programs are aimed at ensuring their effective implementation and creating a favorable environment for students to study.

This includes an assessment of:

- *the content of programs taking into account the latest scientific achievements in a particular discipline to ensure the relevance of the discipline taught;*
- *changing needs of society;*
- *workload, academic performance and graduation of students;*
- *effectiveness of student assessment procedures;*
- *expectations, needs and satisfaction of students with the program;*
- *educational environment and support services and their compliance with the objectives of the program.*

Programs are regularly evaluated and reviewed with the involvement of students and other stakeholders. The collected information is analyzed and the program is brought into line with modern requirements. The changes made are published.

Evidentiary part

The achievement of the EP objectives is monitored by a system of intra-university control in accordance with STU 20. At the level of students - in the form of questionnaires:

- "Teacher through the eyes of the student" (2 times a year, at the beginning of each term according to the results of the examination session in all academic disciplines);
- "Assessment of Student Satisfaction";
- "Evaluation of the students of the final year".

Changes in the content of curricula and educational programs are made based on the analysis of external and internal stakeholders' satisfaction. According to the Strategy, evidence-based decision-making is carried out by accumulating, systematizing and using knowledge and independent evaluations for decision-making, involving employees and students in collegial bodies and collective decision-making. In the university, students are members of the following collegial bodies: University Council; Council for ideological and educational work; Council for prevention of offences among students, Councils of faculties, coordinating student councils. Thus, chairperson of the student council of the faculty is Stasiukevich V. (2nd year, MDP-BIO-211), 14

students are members of the Council. According to the Regulation on the University and Faculty Councils students have the right to participate in the process of development of education, to promote the efficiency of management and quality of the educational process and support student initiatives in education. Students in collegial bodies express and implement the rights and legitimate interests of students.

The opinions and suggestions of all stakeholders are taken into account in the revision of the EP. Internal stakeholders (teachers, students) can directly influence the analysis and adjustment of the content and objectives of the Program.

In accordance with the procedure A 20-014 STU 20 "Monitoring and Measurement" the results of stakeholder satisfaction surveys are applied in the management practice of the university. The procedure reflects the activities to apply the results of the surveys at two levels: prompt response activities and long-term measures. The procedure for conducting stakeholder satisfaction surveys is presented in A 20-018 of STU 20 Monitoring and Measurement. Issues of assessment of customer satisfaction and corrective actions for their improvement are considered at the meetings of the Faculty Coordination Council.

Analytical part

The systematicity and completeness of stakeholder surveys helps to identify satisfaction with the organization of the learning process (application of modern technologies, class timetable, organization and objectivity of knowledge control and assessment, etc.).

Feedback on the implementation of improvements in the implementation of EPs of cluster 3 accredited EPs is provided by continuous monitoring and self-analysis procedures.

The use of electronic educational environment contributes to the efficiency of monitoring and comprehensive assessment of EP and is ensured by the proven high qualification of the staff.

According to the results of study of self-evaluation report and results of the EEC visit *the commission didn't find any confirmation* of involvement of necessary number of employers to conduct monitoring and take part in evaluation of educational programs 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry).

Recommendations of EEC for Program 1-31 01 Biology (by directions) (6-05-0511-01 Biology) and Program 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry):

It is recommended to the management of accredited EP 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry) to involve at least two representatives from employers to conduct monitoring and participate in EP evaluation from 2023.

The conclusion of the EEC on the criterion of standard "Continuous monitoring and periodical evaluation of programs" for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures" - satisfactory position.

6.10. ESG. Part 1. Standard “PERIODIC EXTERNAL QUALITY ASSURANCE PROCEDURES”

Standard:
The educational organization must undergo external quality assurance procedures in accordance with European Standards and Recommendations (ESG) on a regular basis.

Recommendations:
External quality assurance procedures in various forms allow one to evaluate the effectiveness of quality assurance processes within an educational organization. They are catalysts for the development and realization of new opportunities. They also provide information about the quality of the educational organization's activities to the public.

Evidentiary part

In April 2019 YKSUG confirmed the state accreditation for compliance with the declared type –
classical university (order of the Ministry of Education dated 29.04.2019 No. 353 based on the order of the Department of Quality Control of Education of the Ministry of Education dated 25.04.2019 No. 127-i, certificate: No. 0008672). The Commission noted the following positive aspects: the growth of funding at the expense of the national budget in 2018 compared to 2017 by 12%, the new format of publishing the collections – using QR-coding (for rapid transition to full-text mode), etc. Information on state accreditation is available on the website of the university. Other procedures for external evaluation of quality assurance include accreditation of specialties in the Department of Education Quality Control of the Ministry of Education of RB; recertification audit and periodic assessment of the certified university management system for compliance with STB ISO 9001-2015 and ISO 9001:2015; participation in the competition for the Government Prize of RB for achievements in quality (established by the Council of Ministers of RB № 1705 from 05.11.1998), as well as evaluation in accordance with the criteria of international rankings of universities. The EEC confirms that YKSUG participates in international rankings QS EECA-2022, Webometrics, UniRank, UI GreenMetric, SCImago, THE University Impact Rankings, MosIUR (https://intra.YKSUG.by/node/5871).

The periodic assessment of the certified management system is carried out once a year, while the recertification audit is carried out once every three years. Experts traditionally note the high level of strategic management of the university, the development of corporate culture, the effectiveness of research and innovation activities. The correspondence of the quality management system to the requirements of standards series ISO 9001 is confirmed by a certificate of conformity (№ BY/112 05.01. 002.01 00369, valid until May 2024) issued by the Belarusian State Institute of Standardization and Certification. Information about external audits (2021, 2022) is presented on the website of the University.

Based on the results of the external audits the university implements measures to eliminate inconsistencies and implement aspects for improvement. A plan is formed, which is agreed by the supervising Vice-Rector and approved by the Rector. Based on the results of the accreditation procedures of the University and individual specialties a plan to eliminate the deficiencies and implement the suggestions noted in the conclusion on the results of accreditation is formed. The plan is agreed by the supervising Vice-Rector and approved by the Rector. According to the results of accreditation in 2021, all shortcomings were eliminated.

Periodic external quality assurance procedures allow assessing the effectiveness of the internal quality assurance processes. The procedure of external quality assurance of YKSUG has different forms and is carried out at different levels.

When implementing the EPs of cluster 3 the mechanisms of the system of training quality assurance functioning established in the HEI are used, including: monitoring and periodic review of the educational program; ensuring the competence of academic staff; regular self-reflection on agreed criteria for performance assessment; system of external quality assessment of EPs implementation; consideration and analysis of opinions of employers and graduates of the university; agreements with foreign partners on student and faculty mobility programs, etc.

Analytical part

External quality assurance procedures are implemented on an ongoing (periodic) basis with consideration and analysis of the results at the meetings of the Collegial Bodies; the results of external assessment are the basis for the formation and implementation of management decisions to improve the quality of EP implementation based on the improvement of the management system.

The EEC experts note that for YKSUG (the first university in RB) the procedure of international accreditation according to European standards is conducted for the first time. At the same time, YKSUG ensures availability of information to all interested parties on IAAR international accreditation during the visit of the expert commission to the HEI and the

accreditation process on the official Internet-resource of YKSUG (https://intra.YKSUG.by/node/13033).

Strengths for EP 1-31 04 01 "Physics (by directions)", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures":

Role of the first university in the Republic of Belarus undergoing the procedure of international accreditation according to European ESG standards.

Recommendations for EP 1-31 04 01 "Physics (by directions)", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of buildings and constructions": none

Conclusion of EEC by criterion of "Periodical procedures of external assurance of quality" for EP 1-31 04 01 "Physics (by directions)", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of buildings and facilities" – a strong position.

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

Standard "Quality Assurance Policy"

Strengths for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of buildings and constructions":

All participants in the educational process of the university successfully implement a quality assurance policy, confirmed as the best by the Government of the Republic of Belarus, and which is the result of the development of one team composed of external and internal stakeholders.

Standard "Program Development and Approval"

Strengths for EP 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry):

In development and approval of educational programs 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry) all stakeholders are involved, including employers, teaching staff and students in the coordinating board.

Standard "Student-centred learning and assessment standard"

There are no strengths/best practices.

Standard "Admission, progress, recognition and certification of students"

There are no strengths/best practices.

Standard "Academic staff".

Strengths for EP 1-31 04 01 Physics (by directions), 1-31 80 20 Applied Physics, 1-31 01 01 Biology (by directions), 1-31 80 11 Biochemistry, 1-70 80 01 Construction of Buildings and Structures:

1. The high professional competence of the teaching staff of EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures", having wide practical experience of scientific and educational activity, which allow successfully apply their professionalism both in the educational process and in the research activity.

Standard "Educational resources and student support systems"

Strengths for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics":

Sufficiently equipped, modern material-technical base for the realization of EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", which enables all the participants of the educational and scientific processes to apply their practical and theoretical skills with the equipment similar to that in the respective fields.

Standard "Information Management"

Strengths for OP 1-31 04 01 "Physics (by directions)", 1-70 80 01 "Construction of Buildings and Constructions":

Developed system of information support and digitalization of EP 1-70 80 01 "Construction of Buildings and Structures" implementation.

Laconic structured website of EP 1-31 04 01 "Physics (by directions)".

Standard "Public awareness".

The strong points for the EP 1-31 01 01 Biology (by the directions) (6-05-0511-01 Biology) and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry):

Availability of relevant and demanded information for internal and external stakeholders, posted on various information sources.

Standard "Continuous monitoring and periodic program evaluation".

There are no strengths / best practices.

Standard "Periodic procedures for external quality assurance".

Strengths for EP 1-31 04 01 Physics (by directions), 1-31 01 Biology (by directions), 1-31 80 11 Biochemistry, 1-70 80 01 Construction of Buildings and Structures:

Role of the first university in the Republic of Belarus undergoing the international accreditation procedure according to European ESG standards

(VIII) OVERVIEW RECOMMENDATIONS FOR IMPROVING QUALITY FOR EACH STANDARD

Standard "Quality assurance policy".

Recommendations of the EEC for EP 1-31 04 01 "Physics (by direction)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures": none.

Standard "Development and approval of the program".

Recommendations of the EEC for EP 1-31 80 20 "Applied Physics":

To the management of EP, by the beginning of 2023-2024 academic year, to determine the uniqueness and individuality of the EP content, by adjusting the internal content of disciplines / courses or the formation of new training modules giving a distinctive character from the similar programs.

Standard "Student-centered learning and assessment of learning outcomes".

Recommendations of the EEC for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by direction)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures": not available.

Standard "Admission, progress, recognition and certification of students".

Recommendations of the EEC for EP 131 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures":

The management of the university and heads of EPs, beginning in 2023, in the plans for the development of activities should envisage activities for the preparation of students for professional certification, including the criterion of analysis of the content of EPs and their updating for the inclusion of modules / courses that allow students to prepare purposefully for specific courses of professional certification after graduation from the university.

To update the documented procedures of non-formal and informal learning taking into account their results, to inform students and teaching staff of the accredited EP about the possibilities of taking into account the results of learning in the application of non-formal and informal learning, to develop an algorithm of confirmation of such learning results in the University Regulations by the beginning of academic year 2023-2024.

Standard "Academic staff".

Recommendations of the EEC for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures": none.

Standard "Educational resources and student support systems".

Recommendations of the HEC for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures"):

To the management of the HEI, in 2023 in the documents of planning activities and funding to analyze the presence of measures for the development of barrier-free learning environment and working conditions of students and employees with special needs, in the absence of measures – to include, if any – to update, if necessary – to supplement, and to begin the implementation of items from 2023-2024 academic year.

Additional recommendation of the EEC for EP 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures"):

To the management of EP 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of buildings and constructions"), in the complex development plans to include measures to increase the percentage of courses/disciplines carried out on the bases of enterprises, branches of departments and to begin their implementation from 2023-2024 academic year.

Standard "Information Management".

Recommendations of the EEC for EP 1-31 80 20 "Applied Physics", 1-31 04 01 "Physics (by direction)", 1-31 01 01 "Biology (by direction)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures":

By the beginning of 2023-2024 academic year to conduct an unscheduled extended anonymous survey of internal stakeholders on the subject of satisfaction with working conditions at the University. Based on the analysis of the results of the survey to develop a plan of corrective and preventive actions and begin their implementation with the publication of information about the work done for stakeholders.

Additional recommendations of EEC for EP 11-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry":

The management of EP 11-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry" needs to develop a common format for providing information on the site by 2023-2024 academic year.

The management of the EP 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry) from 2023 must provide a quarterly update of the information on the site in the context of the EP.

Standard "Public awareness"

The EEC recommendations for EP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures":

Beginning with the academic year 2023-2024, the responsible structural subdivision should inform the interested parties about the work done with the deficiencies found during the sociological surveys.

Standard "Continuous Monitoring and Periodic Program Evaluation."

The EEC recommendations for EP 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and OP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry):

The management of accredited EP 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) and EP 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry is recommended to involve at least two representatives from employers in the monitoring and participation in the evaluation of EPs since 2023.

Standard "Periodic Procedures for External Quality Assurance".

Recommendations of the EEC for SP 1-31 04 01 "Physics (by directions)", 1-31 80 20 "Applied Physics", 1-31 01 01 "Biology (by directions)", 1-31 80 11 "Biochemistry", 1-70 80 01 "Construction of Buildings and Structures": none.

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

There are no EEC recommendations related to CTE development, but not related to quality improvement measures and compliance with IAAR standards for the assessed EPs.

(X) RECOMMENDATION TO THE ACCREDITATION BOARD

The external expert commission decided to recommend to the IAAR Accreditation Council the educational programs 1-31 04 01 Physics (by directions) (6-05-0533-01 Physics), 1-31 01 Biology (by directions) (6-05-0511-01 Biology), 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry) of Yanka Kupala State University of Grodno to be accredited for 7 (seven) years, the educational programs 1-70 80 01 Construction of Buildings and Structures (7-06-0732-01 Construction), 1-31 80 20 Applied Physics (7-06-0533-02 Applied Physics) to be accredited for 5 (five) years.

Appendix 1. Evaluation table "PROGRAM PROFILE PARAMETERS"

Conclusion of the external expert commission for the evaluation of educational programs 1-31 01 01 Biology (by directions) (6-05-0511-01 Biology) 1-31 80 11 Biochemistry (7-06-0511-02 Biochemistry) of the Educational Organization "Yanka Kupala State University of Grodno "

№	International standards HAAP ESG Part 1.	Position of educational organization			
		Strong	Satisfactory	Implies improvement	Unsatisfactory
Standard 1. QUALITY POLICY					
1	The educational organization should have a published quality assurance policy as part of its strategic management. Internal stakeholders should develop and implement this policy through appropriate structures and processes with the involvement of external stakeholders.	+			
Standard 2. PROGRAMME DEVELOPMENT AND APPROVAL					
2	The educational organization must have mechanisms for developing and approving their programs. Programs must be designed in accordance with established objectives, including the intended learning outcomes. The qualifications resulting from the program should be clearly defined and explained and should correspond to the defined level of the national qualifications framework in higher education and, therefore, to the qualifications framework in the European Higher Education Area.	+			
Standard 3. STUDENT-CENTRED LEARNING AND ASSESSMENT					
3	The educational organization must ensure that the program is implemented in a way that encourages students to take an active role in the collaborative construction of the educational process, and that student assessment reflects this approach.		+		
Standard 4. ADMISSION, PERFORMANCE, RECOGNITION AND CERTIFICATION OF STUDENTS					
4	An educational organization must have predetermined, published, and consistently applied rules governing all periods of the student "life cycle," i.e., admission, academic performance, recognition, and certification.		+		
Standard 5. ACADEMIC STAFF					
5	An educational organization must have objective and transparent hiring and professional development processes for all staff members that allow them to ensure the competence of their teachers.	+			
Standard 6: EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEM					
6	The educational organization must ensure that there are sufficient, accessible, and appropriate learning resources and facilities of student support services.		+		
Standard 7. INFORMATION MANAGEMENT					

7	An educational organization must ensure that it collects, analyzes, and uses relevant information to effectively manage its areas of activity and its educational programs.		+		
Standard 8. PUBLIC AWARENESS					
8	The educational organization must inform the public about its activities (including programs). The information provided must be clear, reliable, objective, relevant and accessible.	+			
Standard 9. CONTINUOUS MONITORING AND PERIODIC PROGRAM EVALUATION"					
9	The educational organization must monitor and evaluate programs periodically to ensure that they are achieving their goals and meeting the needs of students and society. The results of these processes should lead to continuous program improvement. All stakeholders should be informed of any actions planned or taken with respect to the programs.		+		
Standard 10. PERIODIC EXTERNAL QUALITY ASSURANCE PROCEDURES					
10	The educational organization must undergo external quality assurance procedures in accordance with the European Standards and Guidelines (ESG) on a regular basis.	+			
	Total	**5**	**5**	**0**	**0**

Conclusion of the external expert commission on the evaluation of the educational program 1-31 04 01 "Physics (by directions) of Yanka Kupala State University of Grodno

№	International standards HAAP ESG Part 1.	Position of educational organization			
		Strong	Satisfactory	Implies improvement	Unsatisfactory
Standard 1. QUALITY POLICY					
1	The educational organization should have a published quality assurance policy as part of its strategic management. Internal stakeholders should develop and implement this policy through appropriate structures and processes with the involvement of external stakeholders.	+			
Standard 2. PROGRAMME DEVELOPMENT AND APPROVAL					
2	The educational organization must have mechanisms for developing and approving their programs. Programs must be designed in accordance with established objectives, including the intended learning outcomes. The qualifications resulting from the program should be clearly defined and explained and should correspond to the defined level of the national qualifications framework in higher education and, therefore, to the qualifications framework in the European Higher Education Area.		+		
Standard 3. STUDENT-CENTRED LEARNING AND ASSESSMENT					
3	The educational organization must ensure that the program is implemented in a way that encourages students to take an active role in the collaborative construction of the educational process, and that student assessment reflects this approach.		+		
Standard 4. ADMISSION, PERFORMANCE, RECOGNITION AND CERTIFICATION OF STUDENTS					
4	An educational organization must have predetermined, published, and consistently applied rules governing all periods of the student "life cycle," i.e., admission, academic performance, recognition, and certification.		+		
Standard 5. ACADEMIC STAFF					
5	An educational organization must have objective and transparent hiring and professional development processes for all staff members that allow them to ensure the competence of their teachers.	+			
Standard 6: EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEM					
6	The educational organization must ensure that there are sufficient, accessible, and appropriate learning resources and facilities of student support services.	+			
Standard 7. INFORMATION MANAGEMENT					

7	An educational organization must ensure that it collects, analyzes, and uses relevant information to effectively manage its areas of activity and its educational programs.	+			
Standard 8. PUBLIC AWARENESS					
8	The educational organization must inform the public about its activities (including programs). The information provided must be clear, reliable, objective, relevant and accessible.		+		
Standard 9. CONTINUOUS MONITORING AND PERIODIC PROGRAM EVALUATION"					
9	The educational organization must monitor and evaluate programs periodically to ensure that they are achieving their goals and meeting the needs of students and society. The results of these processes should lead to continuous program improvement. All stakeholders should be informed of any actions planned or taken with respect to the programs.		+		
Standard 10. PERIODIC EXTERNAL QUALITY ASSURANCE PROCEDURES					
10	The educational organization must undergo external quality assurance procedures in accordance with the European Standards and Guidelines (ESG) on a regular basis.	+			
	Total	**5**	**5**	**0**	**0**

Conclusion of the external expert commission on the evaluation of the educational program 1-31 80 20 "Applied Physics" of Yanka Kupala State University of Grodno

№	International standards HAAP ESG Part 1.	Position of educational organization			
		Strong	Satisfactory	Implies improvement	Unsatisfactory
Standard 1. QUALITY POLICY					
1	The educational organization should have a published quality assurance policy as part of its strategic management. Internal stakeholders should develop and implement this policy through appropriate structures and processes with the involvement of external stakeholders.	+			
Standard 2. PROGRAMME DEVELOPMENT AND APPROVAL					
2	The educational organization must have mechanisms for developing and approving their programs. Programs must be designed in accordance with established objectives, including the intended learning outcomes. The qualifications resulting from the program should be clearly defined and explained and should correspond to the defined level of the national qualifications framework in higher education and, therefore, to the qualifications framework in the European Higher Education Area.		+		
Standard 3. STUDENT-CENTRED LEARNING AND ASSESSMENT					
3	The educational organization must ensure that the program is implemented in a way that encourages students to take an active role in the collaborative construction of the educational process, and that student assessment reflects this approach.		+		
Standard 4. ADMISSION, PERFORMANCE, RECOGNITION AND CERTIFICATION OF STUDENTS					
4	An educational organization must have predetermined, published, and consistently applied rules governing all periods of the student "life cycle," i.e., admission, academic performance, recognition, and certification.		+		
Standard 5. ACADEMIC STAFF					
5	An educational organization must have objective and transparent hiring and professional development processes for all staff members that allow them to ensure the competence of their teachers.	+			
Standard 6: EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEM					
6	The educational organization must ensure that there are sufficient, accessible, and appropriate learning resources and facilities of student support services.	+			
Standard 7. INFORMATION MANAGEMENT					

7	An educational organization must ensure that it collects, analyzes, and uses relevant information to effectively manage its areas of activity and its educational programs.		+		
Standard 8. PUBLIC AWARENESS					
8	The educational organization must inform the public about its activities (including programs). The information provided must be clear, reliable, objective, relevant and accessible.		+		
Standard 9. CONTINUOUS MONITORING AND PERIODIC PROGRAM EVALUATION					
9	The educational organization must monitor and evaluate programs periodically to ensure that they are achieving their goals and meeting the needs of students and society. The results of these processes should lead to continuous program improvement. All stakeholders should be informed of any actions planned or taken with respect to the programs.		+		
Standard 10. PERIODIC EXTERNAL QUALITY ASSURANCE PROCEDURES					
10	The educational organization must undergo external quality assurance procedures in accordance with the European Standards and Guidelines (ESG) on a regular basis.	+			
	Total	**4**	**6**	**0**	**0**

Conclusion of the external expert commission for the evaluation of the educational program
1-70 80 01 "Construction of Buildings and Structures" of the Educational organization "Yanka Kupala State University of Grodno"

№	International standards HAAP ESG Part 1.	Position of educational organization			
		Strong	Satisfactory	Implies improvement	Unsatisfactory
Standard 1. QUALITY ASSURANCE POLICY					
1	The educational organization should have a published quality assurance policy as part of its strategic management. Internal stakeholders should develop and implement this policy through appropriate structures and processes with the involvement of external stakeholders.		+		
Standard 2. PROGRAM DEVELOPMENT AND APPROVAL					
2	The educational organization must have mechanisms for the development and approval of its programs. Programs should be designed in accordance with established objectives, including intended learning outcomes. The qualifications resulting from the completion of the program must be clearly defined as well as explained and must correspond to a certain level of the national qualifications framework in higher education and, therefore, the framework of qualifications in the European Higher Education Area.		+		
Standard 3. STUDENT-CENTRED LEARNING AND ASSESSMENT					
3	The educational organization must ensure that the program is implemented in a way that encourages students to take an active role in the collaborative construction of the educational process, and that student assessment reflects this approach.		+		
Standard 4. ADMISSION, PERFORMANCE, RECOGNITION AND CERTIFICATION OF STUDENTS					
4	An educational organization must have predetermined, published, and consistently applied rules governing all periods of the student "life cycle," i.e., admission, academic performance, recognition, and certification.		+		
Standard 5. ACADEMIC STAFF					
5	An educational organization must have objective and transparent hiring and professional development processes for all staff members that allow them to ensure the competence of their teachers.	+			
Standard 6: EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEM					
6	The educational organization must ensure that there are sufficient, accessible, and appropriate learning resources and facilities of student support services.		+		
Standard 7. INFORMATION MANAGEMENT					

7	An educational organization must ensure that it collects, analyzes, and uses relevant information to effectively manage its areas of activity and its educational programs.	+			
Standard 8. PUBLIC AWARENESS					
8	The educational organization must inform the public about its activities (including programs). The information provided must be clear, reliable, objective, relevant and accessible.		+		
Standard 9. CONTINUOUS MONITORING AND PERIODIC PROGRAM EVALUATION					
9	The educational organization must monitor and evaluate programs periodically to ensure that they are achieving their goals and meeting the needs of students and society. The results of these processes should lead to continuous program improvement. All stakeholders should be informed of any actions planned or taken with respect to the programs.		+		
Standard 10. PERIODIC EXTERNAL QUALITY ASSURANCE PROCEDURES					
10	The educational organization must undergo external quality assurance procedures in accordance with the European Standards and Guidelines (ESG) on a regular basis.	+			
	Total	**3**	**7**	**0**	**0**