



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТИҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

On the results of the work of the external expert commission
for the evaluation of compliance with the standards of specialized
accreditation of educational programs

6B01501 MATHEMATICS, 7M01501 MATHEMATICS,
8D01501 MATHEMATICS, 6B01503 PHYSICS-INFORMATICS,
6B01502 CHEMISTRY-BIOLOGY

OF "SULEIMAN DEMIREL UNIVERSITY" INSTITUTION

Date of on-line visit using the hybrid model:

December "13" to December "15" 2021

INDEPENDENT ACCREDITATION AND RATING AGENCY
External Expert Commission

Addressed to
IAAR
Accreditation Council



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Kaskelen

"15" December 2021

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(I) LIST OF SYMBOLS AND ABBREVIATIONS

BD - Basic disciplines
EEC -External Expert Commission
GAC - Government Attestation Commission
SOSE RK - State obligatory standards of education of the Republic of Kazakhstan
UNT - Unified National Testing
FSA - Final State Attestation
FC - Final Control
ICT - Information and Communication Technologies
IT - Information Technologies
IAP - Individual Academic Plan
CPSES - Committee for Provision of Control in the Sphere of Education and Science
CTA - Comprehensive testing of applicants
CED - Catalogue of elective disciplines
IC - Intercultural Competence
MES of RK - Ministry of Education and Science of the Republic of Kazakhstan
MOOCs – Massive open online courses
MEP - Modular Educational Programs
IPF - International Public Foundation
MPI - Monthly projected index
MC - Modular Curriculum
LRA - Legislative and Regulatory Acts
NQF - National Qualifications Framework
RP - Research paper
RWMS - Research work of master students
RWL - Research work of the learner
RWS - Research work of the student
NQS - National Qualification System
STC - Scientific and Technical Council
GED - General education disciplines
EP - Educational programs
MD - Major disciplines
PC - Professional Competence
WEP - Working Educational Plan
SDU - Suleyman Demirel University
SC - Student Club
IWMS - Independent Work of Master Students
IWS - Independent work of students
DBMS - Database Management System
MEP - Model educational plan
EMB - Educational and Methodical Bureau
EMC - Educational and Methodical Council
ECTS - European Credit Transfer System
ESG - Standards and Guidelines for Quality Assurance in the European Higher Education Area
QF-EHEA - Qualifications Framework for the European Higher Education Area
PhD - Doctor of Philosophy
SWOT - Strengths and Weaknesses of Operations Analysis

(II)INTRODUCTION

In accordance with the order № 175-21-од from 15.11.2021 of the General Director of the Independent Agency of Accreditation and Rating, from December 13, 2021 to December 15, 2021 (inclusive) the external expert commission conducted evaluation of the institution "Suleyman Demirel University" for compliance with standards of specialized accreditation of educational programs 6B01503 Physics-Informatics, 8D01501 Mathematics, 6B01501 Mathematics, 7M01501 Mathematics, 6B01502 Chemistry-Biology Institution "Suleyman Demirel University" (Kaskelen city) standards of specialized accreditation of educational program of higher and (or) postgraduate education (order №57-21-OD from "16" June 2020). The report of the External Expert Commission (EEC) contains an evaluation of submitted educational programs according to the criteria of specialized accreditation standards for educational programs of higher and (or) postgraduate education, EEC recommendations on further improvement of educational programs and parameters of the specialized profile.

Members of EEC:

Chairman of EEC - Palkin Evgeny Alekseyevich, CoS in Physics and Mathematics, Professor, Laureate of the USSR State Prize, Vice-Rector for Science of the Russian New University, (Moscow, Russian Federation).

Foreign expert - Li Chong Ku, CoS in Economics, Associate Professor at Yanka Kupala State University of Grodno (Grodno, Republic of Belarus) Evaluation of EP 6B04105 Digital Marketing.

Foreign expert - Belousov Alexander Valeryevich, CoS in technologies, Deputy Head of Educational and Methodological Department, Gubkin Russian State University of Oil and Gas (National Research University) (Moscow, Russian Federation). Evaluation of EP 6B06101 Information Systems.

IAAR expert - Lushchik Alexander Cheslavovich, Ph.D. in Physics and Mathematics, Professor, Head of Ion Crystal Physics Laboratory, Institute of Physics, University of Tartu (Tartu, Estonia). Evaluation of EP 8D01501 Mathematics.

IAAR expert - Shunkeyev Kuanyshbek Shunkeyevich, Ph.D. in Physics and Mathematics, professor of Aktobe Regional University named after K. Zhubanov (Aktobe, Republic of Kazakhstan). Evaluation of EP 6B01503 Physics-Informatics.

IAAR expert - Akibayeva Gulvira Sovbekovna, CoS in Economy., Category I IAAR expert (Karaganda, Republic of Kazakhstan). Evaluation of EP 6B04104 Finance, 6B04103 Accounting and Audit.

IAAR expert - Beisenkulov Ayazbi Akhbergenovich, professor of Media-communication department, International University of Information Technologies (Almaty, the Republic of Kazakhstan). Evaluation of EP 6B03201 Journalism (TV and Multimedia).

IAAR expert - Yensebayeva Marzhan Zaitovna CoS in Economy, Associate Professor, Director of Corporate Development at K.I. Satpayev Kazakh National Research Technical University (Almaty, Republic of Kazakhstan). Evaluation of EP 6B05401 Mathematics, 7M05401 Mathematics.

IAAR expert - Kushebina Gulnara Malikovna, CoS in Economics, Vice-Rector for Academic Development of Kostanai Engineering and Economic University named after M. Dulatov (Kostanai, Kazaskhatan Republic). Evaluation of EP 6B04101 Economics.

IAAR expert - Karimova Gulmira Sarsemkanovna, PhD, Senior Lecturer, Department of the Kazakh language and literature, Kazakh National Pedagogical University named after Abay (Almaty, Republic of Kazakhstan). 6B01701 Kazakh Language and Literature, 7M01701 Kazakh Language and Literature.

IAAR expert - Kulakhmetova Mergul Sabitovna, CoS in Philology, Associate Professor, Pavlodar Pedagogical University (Pavlodar, Republic of Kazakhstan). Evaluation of EP 6B02302 Translation Studies.

IAAR expert - Kulzhumieva Aiman Amangeldievna, CoS in Physics and Mathematics, Associate Professor of Mathematics Department, West Kazakhstan University named after M. Utemisov (Uralsk, Republic of Kazakhstan). EP 6B01501 Mathematics, 7M01501 Mathematics.

IAAR expert - Kusanova Bibigul Khakimovna, Ph.D. in Philology, professor of L.N. Gumilev Eurasian National University (Nur-Sultan, Republic of Kazakhstan). Evaluation of EP 8D01702 Foreign Language: Two Foreign Languages.

IAAR expert - Mustafina Akkyz Kurakovna, CoS in technologies, Associate Professor, Vice-Rector for Academic and Educational Activities of the International University of Information Technologies (Almaty, Republic of Kazakhstan). Evaluation of EP 6B06102 Computer Science, 7M06102 Computer Science.

National Expert - Arzaeva Maya Zhetkergenna, CoS in economy., Associate Professor of Academy of Logistics and Transport (Almaty, Republic of Kazakhstan) Evaluation of EP 6B04102 Management, 7M04102 Management.

IAAR expert - Ordabaeva Maigul Aitkazievna, PhD, Head of Economics and Management Department of S. Amanzholov East Kazakhstan University (Ust-Kamenogorsk, Republic of Kazakhstan). Evaluation of EP 8D04101 Management.

IAAR expert - Safarov Ruslan Zairovich, Candidate of Chemical Sciences, Associate Professor at L.N. Gumilev Eurasian National University (Nur-Sultan, Republic of Kazakhstan). Evaluation of EP 6B01502 Chemistry-Biology.

IAAR expert - Tatarinova Lola Furkatovna, CoS in Law, Associate Professor at UIB International Business University (Almaty, Republic of Kazakhstan). Evaluation of EP 6B042001 Applied Law.

IAAR expert - Tuyakbaev Gabit Aneshovich, CoS in Philology, Korkyt Ata Kyzylorda University (Kyzylorda, Republic of Kazakhstan). Evaluation of EP 8D01701 Kazakh language and literature.

IAAR expert - Urmashev Baidaulet Amantayevich, CoS in Physics and Mathematics, Associate Professor at Al-Farabi Kazakh National University (Almaty, Republic of Kazakhstan). Evaluation of EP 8D06102 Computer Science.

IAAR expert - Shevyakova Tatiana Vasilyevna, CoS in Philology, professor of International communications Department of Kazakh University of International Relations and World Languages named after Abylai Khan (Almaty, Republic of Kazakhstan). Evaluation of EP 6B01702 Foreign language: two foreign languages, 7M01702 Foreign language: two foreign languages.

IAAR expert - Chukubaev Ermek Samarovich, Head of the Department of International Relations and World Economy, Al-Farabi Kazakh National University (Almaty, Republic of Kazakhstan). Evaluation of EP 6B03101 International Relations, 6B04202 International Law.

IAAR expert, employer - Safullin Yeldos Nabiullievich, Deputy Director for Educational and Methodological Work of the Institute of Professional Development of Pedagogical Workers of the NCPK "Ørleu" in West Kazakhstan region (Uralsk, Republic of Kazakhstan).

IAAR expert, employer - Pitakov Vladimir Yurievich, director of Pavlodar regional branch of JSC "ENPF" (Pavlodar, Republic of Kazakhstan).

IAAR expert, student - Sarabek Nazerke Erikkyzy, 3rd year student of elementary school teacher of Humanitarian college (Aktobe, Republic of Kazakhstan). Evaluation of EP 6B05401 Mathematics.

IAAR expert, student - Batyrova Akmaral Meirkhankyzy, 2nd year student of Educational Program 6B04132 State and Local Administration at K. Zhubanov Aktobe Regional University (Aktobe, Republic of Kazakhstan). EP 6B04102 Management, 7M04102 Management.

IAAR expert, student - Yegizbaeva Asylzat Erkinkyzy, 1st year student of EP 7M06149 Information Systems at Korkyt Ata Kyzylorda University (Kyzylorda, Republic of Kazakhstan). OP 6B06102 Computer Science, 7M06102 Computer Science.

IAAR expert, student - Ersayyn Saya Zhastalapkyzy, 3rd year student of EP 6B03201 Journalism, Turan University, member of the Alliance of Students of Kazakhstan (Almaty, Republic of Kazakhstan). Evaluation of EP 6B03201 Journalism (TV and Multimedia).

IAAR expert, student - Kendengulova Sholpan Erbulatovna, 1st year student of EP 6B01702 Foreign language: two foreign languages of K. Zhubanov Aktobe Regional University (Aktobe, Republic of Kazakhstan). On-line participation

IAAR expert, student - Oktyabr Akiyk, 3rd year student of educational program 6B01513 Physics-Informatics of S. Amanzholov East Kazakhstan University (Ust-Kamenogorsk, Republic of Kazakhstan). Evaluation of EP 6B01503 Physics-Informatics.

Expert IAAR, student - Sailaubekova Alina Zharkynkyzy, 2nd year student of educational program 7M01701 Kazakh language and literature of Shakarim University in Semey (Semey, Republic of Kazakhstan). 6B01701 Kazakh Language and Literature, 7M01701 Kazakh Language and Literature.

IAAR expert, student - Seyit Rabiya Kalmakhankyzy, 4-year student of the educational program 6B06101 Information Systems of S. Amanzholov East Kazakhstan University (Ust-Kamenogorsk, Republic of Kazakhstan). Evaluation of OP 6B06101 Information Systems.

IAAR Coordinator - Niyazova Guliyash Balkenovna, Project Manager on institutional and specialized accreditation of universities (Nur-Sultan, Republic of Kazakhstan).

(III) PRESENTATION OF THE EDUCATIONAL ORGANIZATION

Suleyman Demirel University (hereinafter - SDU) was established in 1996. Currently, the educational activities of the university are carried out on the basis of the corresponding license (№ KZ68LAA00003730, issued by the CCSON MES RK, 02.12.2014) in the national educational system in accordance with the legislation of the Republic of Kazakhstan. The structure of the University includes: Rectorate, 3 faculties, 1 business school, Center for Multidisciplinary Education, 8 departments, 12 scientific research laboratories, 22 departments and structural subdivisions.

The University provides training of specialists in 55 educational programs, including 28 educational programs of Bachelor's degree, 20 educational programs of Master's degree, 7 educational programs of PhD. The SDU has a trilingual education system, according to which 62% of its educational programs are taught in English, 20% are taught in Kazakh, and 18% are available in English, Kazakh or Russian. The University currently provides student-centered learning and teaching through the creation of a supportive academic environment and student support services.

The contingent of students at the beginning of the 2021/2022 academic year is 7,356 students, including 6,706 students in undergraduate programs, 583 students in graduate programs, and 67 students in doctoral programs. Over the last five years there has been a steady increase in the number of students admitted to the University, in particular undergraduate programs from 2065 to 6706 students, graduate programs from 138 to 583 students, doctoral programs from 2 to 67 students.

Faculty members are professionals who have graduated from prestigious educational institutions of the Kazakhstan and other countries. Total number of professors is 325, including 42 PhDs, 13 Doctors of Sciences, 50 PhDs.

One of the priorities of the development strategy of the SDU is strengthening and expanding international relations: participation in various international educational programs, implementation of joint projects, etc. As part of international exchange programs teachers and students of the university study and have internships at universities in Russia, Kazakhstan, Belarus, Italy, Spain, Czech Republic, Poland, South Korea, etc. Cooperation agreements have been signed with 56 universities in 26 countries and joint projects on academic mobility and experience exchange are being implemented now. In addition, the university is working on ERASMUS projects in pedagogy and engineering.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

The previous institutional accreditation at Suleyman Demirel University was conducted on June 15-17, 2015 on the basis of IAAR Order No. 17-15-OD of June 12, 2015.

The Accreditation Council of the IAAR decided in June 2015: to accredit within the framework of institutional accreditation for a period of 5 years the educational programs of Suleyman Demirel University: 5B010900 Mathematics - #AB0621 dated 26.06.2015; 6M010900 Mathematics - #AB0622 dated 26.06.2015.

(V) DESCRIPTION OF THE EEC VISIT

The work of EEC was carried out on-line visit (through the platform ZOOM) using a hybrid model according to the approved Program of the expert commission visit within the framework of specialized and primary specialized accreditation of educational programs of SDU in the period from December 13 to 15, 2021.

In order to coordinate the work of the EEC, a kick-off meeting was held on 10.12.2021, during which responsibilities were distributed among the commission members, the schedule of the visit was clarified, and agreement was reached on the choice of expertise methods.

In accordance with the standards the visit program covered meetings with the Vice Rectors, heads of structural units, deans, heads of university departments, teaching staff, students, graduates, employers and employees from structural units, interviewing and questioning teachers and students in connection with quarantine activities was conducted online via video conferencing. A total of 173 people took part in the meetings (Table 1).

Table 1 - Information about employees and students who participated in meetings with the EEC of the IAAR

Participant category	number
Vice-rector corps	5
Heads of structural units	20
Deans	4
Heads of Departments, OP Coordinators	16
Teachers	21
Students	47
Alumni	38
Employers	22
Total	173

Visual inspection was conducted to get a general idea of the organization of educational, scientific and methodological processes, material and technical base, to determine its compliance with standards, as well as to get an idea of the working places of teaching staff, employees and students.

During the excursion members of EEC got acquainted with the material and technical base of the University, visited the library, conference areas, Dean's Office, Chairs, International Relations Office, classrooms, specialized rooms, computer labs, teaching chemistry, forensics, simultaneous interpretation, HalykAcademy, United Nations.

In accordance with the accreditation procedure, a remote survey of 197 teachers, 1059 students was conducted.

In order to confirm the information presented in the Self-Assessment Report, external experts requested and analyzed the working documentation of the university. In particular, the SDU Academic Policy, the Strategic Plan for 2018-2023. Institution "Suleyman Demirel University", plans of development of EP, the Regulations on the organization of educational process on credit technology of education, Rules of development and design of the curriculum, Regulations for the development, approval and monitoring of EP, RUPs, syllabuses, UMKD, minutes of meetings of the Advisory Board, etc.

At the same time, the experts examined the Internet positioning of the university through the official website of the university <https://sdu.edu.kz/>.

The EEC members visited the practice bases of the accredited EPs:

- 1) School named after Shokan Ualikhanov (private school)
- 2) Communal State Institution "Specialized Gymnasium named after Al-Farabi" (private school).
- 3) Nazarbayev Intellectual School of Chemistry and Biology in Almaty
- 4) Nazarbayev Intellectual School of Chemical and Biological Studies in Almaty
- 5) Galaxy International School
- 6) TAMOS school
- 7) Narhoz University

The EEC members attended classes:

"Analytical chemistry" (teacher - Abilbek J.), laboratory work, 9/9 students. Date and time of visit: 14.12.21, 12:00 - 12:50; topic "Titrimetric analysis: 15.1. Detection of end point 15.2. Acid one try and alkalimetry", week 15.

"Mathematical Analysis" (instructor - Almas Abdullah), practical session on "Fundamental Theorems of Calculus", 16/20 students. Date and time of visit: 14.12.21, 11:00-11:50, week 15. The class was conducted using the webex platform. <https://onlinesdu.webex.com/meet/abdullah.almas>

The activities planned in the framework of the visit of the EEC of the IAAR contributed to the detailed acquaintance of experts with the educational infrastructure of the University, material and technical resources, faculty and staff, students, undergraduates, representatives of employers, graduates. This allowed the members of the EEC of the IAAR to conduct an independent evaluation of the compliance of the data presented in the reports on self-assessment of the university's educational programs with the criteria of specialized accreditation standards.

(VI) COMPLIANCE WITH STANDARDS OF SPECIALIZED ACCREDITATION

6.1. Standard «Management of Educational Program»

Proving part

The goals and development plans of SP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics are developed based on the Strategic Development Plan of SDU for 2018-2023, which was approved by the protocol of the Academic Council №11 from 31.05.2018 and approved by the Chairman of the University Board of Trustees from 02.07.2018.

On the official website, the "News" section contains the most current information regarding the implementation of the mission, vision and strategy of the university. The home page of the website spells out the vision and mission of the university. The "About Us" section provides the University's Strategy Implementation Plan in three languages. Also the university regularly publishes information on the official pages on social networks Instagram, Facebook, Telegram, etc.

All internal regulatory documents and regulations, Quality Assurance Guidelines are available to students, faculty and administrative staff of the university through the internal portal pms.sdu.edu.kz and MYSDU.

Development, approval and monitoring of EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics is carried out on the basis of the Regulations for the development, approval and monitoring of EP, approved by the Rector of the university from 03.09.2020 and is available to all stakeholders of the educational process through the portal, website and social networks of the university.

The cycle of development, approval and monitoring of the accredited EP at the university consists of consecutive steps:

- definition of the purpose, competencies and learning outcomes;
- coordination of EP with the interested stakeholders;
- Formation of the Study Program and EP passport;
- regular monitoring and periodic assessment of the EP content by the levels of bachelor's, master's and doctoral studies.

The involvement of employers, students and teaching staff in the formation of the EP development plan is reflected in the annual plans of the department "Pedagogy of natural sciences" as an important parameter of activity.

Management of OP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics is carried out by the head of the department, program coordinators, developers and experts from the faculty, as well as the

students themselves. Responsibility for the management, development, implementation, monitoring and evaluation of business processes within the framework of EP is assigned to the dean, the head of the department and program coordinators according to the adopted Regulations on the job descriptions of persons in <https://pms.sdu.edu.kz/index.php?mod=rules>.

Management of accredited EPs takes place through the following discussion processes:

- at the working committees of the department;
- collegial bodies for monitoring the quality of education (faculty methodical bureau, educational-methodical council of the university);
- experts (feedback on the EP content).

Management of the educational process is based on the results of the survey of students and their parents, employers' opinions, monitoring and evaluation of the main indicators of the educational process. The survey of students is conducted after the end of the academic year in order to assess the satisfaction with the selected programs, availability of educational resources and services to support students. The results of this survey and action plan are sent for discussion to the Vice Rectors, Deans and the Rector. Annual Course and Instructional Assessment is performed once at the end of the semester. This survey allows students to rate the course and instructor from 1 to 5 on ten questions regarding syllabi, quality of instruction, relevance, etc. The results of this survey are also sent to teachers, heads of departments and deans for further work on improving the quality of courses.

To evaluate academic achievements of students, the quality of education during the semester, after the midterm control, as well as after each exam session, a report responsible for the progress - the vice-dean, a quantitative and qualitative analysis is carried out, recommendations are made to the advisors and supervisors. Analysis is carried out not only on examination sessions, but also on the results of practices.

The analysis of the demand for EP and the issues of updating the content of EP, the catalog of elective disciplines of EP are considered at the Faculty Councils, scheduled meetings of the Rectorate, the Educational-Methodological Council and the Academic Council of the University. EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics are annually reviewed with the participation of the University Advisory Board. The meetings are attended by employers, students and external experts to discuss the content of the EP, which is reflected in the minutes of the department meetings, which develop corrective and preventive actions on the comments and discrepancies.

Every year, taking into account the requirements of consumers of educational services and external experts, changes are made in the list of catalog of elective disciplines, in the base of declared teachers for mandatory and elective subjects. In order to ensure the key requirements of the stakeholders and further improvement of the educational process the planning of EP development and distribution of resources for its implementation in accordance with the strategic plan of the faculty and service departments is carried out.

Performance evaluation is a continuous process and is analyzed at meetings of collegial bodies: the Scientific Council, the Academic Council, the Scientific and Technical Council, etc., is formalized in the form of protocols. The quality of educational services provided by the university is systematically confirmed by the results of external quality assessment procedures of the university and EP. The university participates on a regular basis in the ratings of NACO, IAAR and Atameken.

For example, the quality of OP 6B01501 Mathematics was evaluated by external review in the 2017 IAAR rankings - 9th place, 2018. - 1 place, 2019. - 1 place, 2020. - 9th place.

OP 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics had their first graduation in the 2020-2021 academic year, so these OPs did not participate in the NAAR and NPP Atameken ratings.

The feasibility and cost-effectiveness of the implementation of OPs, specifically, the improvement of the material and technical base, library fund, strengthening of human resources, are discussed at the annual planning meetings on the formation of the budget of the University.

The university seeks to gain a reputation as one of the leading international universities of Kazakhstan and Central Asia through education in English, training of highly qualified specialists, graduates of Bachelor's, Master's and PhD doctoral programs.

Analytical part.

The EEC NAAR conducted interviews and interviews with the Rector, Vice Rectors, Deans, heads of departments, heads of departments, students, faculty, representatives of employers' organizations and graduates, as well as conducting a survey of faculty and students, familiarizing experts with the material, technical, information and methodological resources and the necessary documents notes the following.

1. EP management demonstrates the functioning of mechanisms for the formation and regular review of EP development plan and monitoring its implementation, assessment of the achievement of learning objectives, compliance with the needs of students, employers and society, decision-making aimed at continuous improvement of EP. This is evidenced by the availability of the Regulations on the development, approval and monitoring of EP, the activities of collegial bodies (Scientific Council, Academic Council, Scientific and Technical Council, etc.) that ensure the management of the main processes of the university.

2. The university demonstrates a clear definition of those responsible for business processes within the EP, distribution of staff duties, delineation of functions of collegial bodies. This is evidenced by the existence of the Regulation on the job descriptions of individuals, where the responsibility for management, development, implementation, monitoring and evaluation of business processes within the EP is assigned to the dean, head of department and program coordinators.

3. Management of EP demonstrates its openness and accessibility for students, faculty, employers and other stakeholders, as the development, approval and monitoring of EP is available to all stakeholders of the educational process through the portal, website and social networks of the university.

4. During the EEC visit it was noted that there is an impulse of implementation of modern technologies and innovations in the learning process, however, the commission concluded that the management of EP should develop a plan for innovation management and implementation of innovative proposals within the EP.

5. The management of the EP has demonstrated the compliance of the staff composition and the material-technical base, the requirements for the EP 8D01501 Mathematics. Moreover, the department employs teachers who studied in the SDU for EP 8D01501 Mathematics and successfully defended their doctoral dissertations (PhD). Currently, there are 11 doctoral students studying at this EP. In this regard, the EEC believes that the leadership of the EP should consider the possibility of opening a dissertation council on the EP 8D01501 Mathematics.

6. The EEC notes the presence of academic potential, training in English and the dynamics of the contingent of EP 6B015002 Chemistry-Biology. In this regard, the management of the EP should consider the possibility of opening a master's program in English.

7. The survey of the teaching staff, carried out during the visit of EEC of IAAR, has shown that
- The involvement of the teaching staff in the management and strategic decision-making process: very good and good - 96.7%, relatively bad and bad - 2.7%, very bad - 0.6%.

Strengths / best practices

- mechanisms for the formation and regular review of the EP development plan and monitoring its implementation, assessment of the achievement of learning objectives, compliance with the needs of students, employers and society, decision-making aimed at the continuous improvement of EP;

- Clear definition of those responsible for business processes within EP, distribution of staff responsibilities, delineation of collegial bodies' functions;
- openness and accessibility of EP management for students, teaching staff, employers and other stakeholders.

Recommendations of the EEC

- By the beginning of the 2022-2023 academic year to develop and begin implementing a plan for innovation management and implementation of innovative proposals in EP;
- to the management of EP until the beginning of the 2023-2024 academic year to open a dissertation council on EP 8D01501 Mathematics;
- considering the academic potential of EP 6B015002 Chemistry-Biology, including the implementation of training in English, the leadership of EP till the beginning of the academic year 2022-2023 recommend to analyze the possibility of opening a master's degree program in English.

Conclusions of the EEC on the criteria for the standard "Educational program management" educational programs 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01503 Physics-Informatics, 6B01502 Chemistry-Biology have 3 strong positions, satisfactory - 14.

6.2. Standard "Information Management and Reporting"

Proving part.

The university has developed a Regulation on the information policy of the SDU of 03.09.2020.

The university provides information management within information systems:

- The official website of the university <https://sdu.edu.kz/>;
- information system of educational process management (SDU portal for employees <https://pms.sdu.edu.kz> and for students <https://my.sdu.edu.kz>);
- document management system (DMS) <https://dms.sdu.edu.kz>;
- a single contact point within the university for servicing internal technical requests of users (Helpdesk) <https://helpdesk.sdu.edu.kz>
- electronic search system of the university <http://elibrary.sdu/>
- automated information system of accounting "1C Accounting";
- personnel department 1C ZUP - Salary and Personnel Management, pms.sdu.edu.kz - HRModule, NOBD - National Educational Database, ESUTD - Unified System of Labour Contract Accounting, ALTYN-KADRY - System of Employee Accounting;
- social networks SRU <http://vk.com/sdukz>, <https://www.facebook.com/sdu.edu.kz>, <https://www.youtube.com/channel/UCcNKcO02Ob8tg3s5amHBQoSg/feed>, <https://twitter.com/sdukz/>, http://instagram.com/sdu_kz/, <https://t.me/sdukz>;
- educational resources Moodle <https://moodle.sdu.edu.kz/> and Webex <https://sdu.webex.com>.

Also the application for navigation within the university, the application for students MYSDU portal, the application for graduates and those interested in the university SDUconnect were developed, during the distance learning the university acquired licenses to use such programs as EXAMUS proctoring and Camtasia.

EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics have separate pages at the official University web-site to familiarize with EP, to publish news and changes in EP for teaching staff, students, employees, stakeholders, applicants and all interested persons.

Along with this, the Faculty of Educational Sciences and Humanities has its own Instagram account [edufaculty_sdu](https://www.instagram.com/edufaculty_sdu).

Both students and teaching staff and employees of the university are involved in the process of collecting and analyzing of information. Faculty members provide information about their achievements by posting scientific articles, posting personal information on scientific research in the teacher's portfolio.

The University has developed an online registration platform Enroll, which is filled out by applicants at the time of admission. The platform is designed in two versions: for foreigners and for citizens of Kazakhstan.

To manage the educational process at the university there is a portal UniPort. This system provides complete information on the learning process of each student for the entire period of study. Records of academic progress in all disciplines are kept, GPA (general and by subjects) is indicated, all orders are placed. Schedule is created in the portal, registration for the disciplines is held, the academic calendar is displayed.

Evaluation of EPs and improvement of their quality is one of the priority tasks for the university. The Department of Quality assurance conducts a survey of students in order to identify the quality of the content of taught courses and teaching methods of the teaching staff. This survey is conducted at the end of each individual discipline at the end of each semester. In the event that negative feedback from the majority of students is found, the head of department, along with the dean of the faculty, will speak with the faculty member and decide on further action.

The performance of the collegiate bodies and senior management is evaluated by the faculty and administrative staff of the university. Each year the Quality Assurance Department conducts a survey among the teaching staff and other university employees to determine the level of satisfaction with the work of senior management. The questionnaire includes questions related to staff satisfaction with their salaries, working conditions, workplace (office, office equipment, etc.).

Heads of departments, deans of faculties, the Vice-Rector for Academic Affairs of the University, as well as the Department of Quality Monitoring are involved in the evaluation process.

Reports on the activities of the teaching staff are provided by each faculty member personally through the document management system DMS twice a year in the form of semiannual and annual reports. The report is sent to the Head of Department and then to the Dean of the Faculty. The Dean, in turn, decides whether or not to approve a particular faculty report. The structure of the reports is given in the form of uniform ready-made templates in DMS, depending on the function of each individual Department.

Reports of all structures of the University are maintained through the local document management system DMS. The final decision on the reports is made by the head of each Department (if it relates to the administration of the university) and the deans of the faculties. Deans or heads of Departments report to senior management during the rectorate meeting.

Analytical part

The analysis of accredited EPs according to this standard allows us to draw the following conclusions.

1. The university has a system of collecting, analyzing and managing information based on the use of ICT and monitoring on the enrollment of students, academic performance, staffing, etc., which are presented in regular reports at the meeting of departments, faculty and the Academic Council of the university.
2. The university demonstrates the involvement of students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them. This is evidenced by the creation of an official website of the university, a portal for students and a portal for staff, which serve as a link between stakeholders and are tools for collecting and providing information in real time.
3. EP management facilitates the provision of necessary information in relevant areas of the sciences.
4. a survey of students conducted during the IAAR EEC visit found that satisfaction:
 - the usefulness of the website of the educational organization in general and the faculties in particular: completely satisfied and partially satisfied - 92.2%;
 - informing students about courses, educational programs and academic degrees: completely satisfied and partially satisfied - 90.8%;

- informing the students about the requirements for the successful graduation from the given specialty: fully satisfied and partially satisfied - 91,7%.

Strengths/best practices

- Involvement of students, staff, and faculty in information collection, analysis, and decision-making processes based on it;

- providing necessary information in relevant fields of science.

Recommendations of the EEC

There are no recommendations for this standard.

The EEC conclusions on the criteria for the standard "Information Management and Reporting" educational programs 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01503 Physics-Informatics, 6B01502 Chemistry-Biology have 2 strong, 15 satisfactory positions.

6.3. Standard «Development and Approval of the Education Program»

Proving part

EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry, Biology, 6B01503 Physics and Informatics are developed on the basis of state regulatory documents and internal university regulatory documents (Regulation on the development, approval and monitoring of the EP in the SDU, SDU Regulations on the organization of educational process on credit technology training, the Academic Policy of SDU, etc.).

The development of RUP is based on the TUPL, recommended by MES RK, QED developed by the graduating department and the individual study plans of students (IUPS, IUPM, IUPD).

QED is developed on the basis of the results of the survey and analysis of the opinions of all stakeholders and is submitted for review by independent external experts who are members of the Advisory Board of the EP. In addition to the discussion at the Advisory Board meeting, the head of the department and program coordinators travel to educational institutions with a presentation of the EP to familiarize themselves with it and get an external review. So, on the content of the EP 6B01501 Mathematics, 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics for the period 2018-2021 there are the following reviews from NISH Almaty, Bilim Innovative Schools Almaty, Qyzildorly, ZERDE School Almaty, private school named after Sh. Al-Farabi Specialized Gymnasium. Updating the content of CED is carried out annually by 30% at the end of the school year by introducing new courses.

The EP is developed by a working group for each level (bachelor, master, doctoral) in three languages (Kazakh, Russian, English). The working group is formed of leading scientists, practitioners in the areas of training and stakeholders.

Learning outcomes for each EP are formed both at the level of the entire EP and at the level of individual modules or academic discipline.

In order to meet the established European, National and Industry qualification frameworks and to ensure the quality of EPs in 2019 the university developed Program Profile (EP Passport), posted in the DMS <https://dms.sdu.edu.kz/> and on the website of the university.

The result of collective work is the Model of a graduate of the EP, which is verified and validated in the process of final state certification, in the process of questioning employers about the assessment of graduates, in the form of feedback from the general public and the graduates themselves in the media.

Graduate model, key professional competencies and requirements for graduates are repeatedly discussed during round tables and meetings with employers held at the university as part of the Job Fair, Advisory Board meeting, as well as during the professional practice of students in educational institutions.

The structure of EP form different types of learning activities depending on the level of education (BA, MSc, PhD): theoretical course, professional practice, research work, the content of which contributes to the development of professional competencies of students, taking into account their personal characteristics and planned results of "learning outcomes".

During the development of EP a special attention is paid to all kinds of practices that form the required professional competences of students.

The uniqueness and competitiveness of the EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics:

- Enhanced English;
- practical orientation of the program (combining studies with internships in the EDU Career program);
- active research activities (participation in scientific projects of the University).

The competitiveness of EP 7M01501 Mathematics, 8D01501 Mathematics is also confirmed by the fact that not only graduates of SDU, but also graduates of other universities study in these programs (Table 2).

Table 2 - Number of students, including those admitted from other universities

Academic year	EP 7M01501 Mathematics		8D01501 Mathematics	
	Total number of master's students	Bachelor's degree from another university	Total number of doctoral students	Master's degree from another university
2019-2020	20	6	5	3
2020-2021	55	33	5	-
2021-2022	66	46	1	1

Analytical part

The analysis of accredited EPs according to this standard leads to the following conclusions.

1. The university documents the procedures for EP development and approval. This is proved by the fact that EPs are considered and discussed at the meetings of collegial bodies, reviewed by external experts.
2. The management of EP determines the influence of disciplines and professional practices on the formation of learning outcomes. This fact confirms the fact that learning outcomes are formed both at the level of the whole EP and at the level of individual modules or academic disciplines and during all kinds of internships.
3. The university demonstrates the availability of the EP graduate model. The format of the graduate model is regulated in the Regulation on the SDU Graduate Model. The graduate model is discussed at the meetings with employers, as well as during the professional practice of students in educational institutions.
4. The management of the OP has demonstrated the uniqueness of EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics. This is demonstrated by the dynamics of the contingent. The EP 7M01501 Mathematics, 8D01501 Mathematics are enrolled by graduates of other universities. However, the EEC notes that the uniqueness of EP 6B01502 Chemistry-Biology and 6B01503 Physics-Informatics is not sufficiently disclosed. In this regard, the uniqueness of these programs should be justified.
5. At present special attention is paid to professional certification of graduates. In this regard, the management of EP should develop a plan of measures to organize the training of students for professional certification in the context of EP.
6. An important factor is the presence of joint and/or double-degree programs, so the management of EP should find a partner university to implement these programs.
7. Questioning of the students, conducted during the visit of EEC of IAAR, showed that:
 - level of accessibility and responsiveness of university management: fully satisfied and partially satisfied - 91%;
 - accessibility for academic advising: fully satisfied and partially satisfied - 93.4%;
 - explanation to you before admission of the rules and strategy of the educational program (specialty): completely satisfied and partially satisfied - 89,3%.

Strengths/best practices

- the influence of the disciplines and professional practices on the formation of the learning outcomes;
- the presence of the EP graduate model describing the learning outcomes and personal qualities;
on EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics
- uniqueness of the educational program, its positioning at the educational market (regional/national/international).

Recommendations of the EEC

- by the beginning of the academic year 2022-2023, the management of EP 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics must justify the uniqueness of the accredited EP in the MOP and/or in the EP passport;
- by the beginning of the academic year 2022-2023 develop an action plan for the organization of students' preparation for professional certification in the context of EPs;
- by March 1, 2022 to develop an action plan for the creation of joint and/or double-diploma programs on the evaluated EPs with foreign and domestic universities.

The conclusions of the EEC on the criteria according to the standard "Development and approval of the educational program" educational programs 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics have 3 strong positions, satisfactory - 8, suggesting improvement - 1;

Educational programs 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics have 2 strong, 9 satisfactory positions, 1 position suggesting improvement.

6.4. Standard «On-Going Monitoring and Periodic Review of Educational Program»

Proving Part

The university has defined requirements for the format of monitoring and periodic evaluation, including the effectiveness of the EP.

In order to improve and ensure the quality of EPs, the monitoring of developed EPs 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics is carried out, which involves:

- employers, strategic partners, who evaluate the EP for compliance of the planned learning outcomes with the requirements of professional standards and industry qualification frameworks;
- students and/or graduates who are direct consumers of educational services through their participation in collegial bodies of the university and participation in various surveys;
- the teaching staff who take part in the development and implementation of EP.

All listed SPs undergo internal and external monitoring.

The mechanism of internal monitoring and quality assurance of EP provides ongoing monitoring of the quality of EP, educational and methodological support, implementation of innovative teaching methods in the learning process, improvement of methods for assessing the educational achievements of students.

This monitoring is carried out by:

- by the teaching staff (self-monitoring);
- Department (open classes and mutual viewing of classes by the teaching staff, students' survey);
- the faculty (teaching-methodical bureaus and/or committees);
- University (Educational-methodical center of the University, Quality Assurance Department).

External monitoring is carried out as part of the accreditation of EP, participation in rankings, HEIs and other events.

Revision and adjustment of the content of existing programs are carried out while taking into account changes in the labor market, the requirements of employers and social demand of society, as well as the results of monitoring is carried out annually.

The revision and periodic assessment of the programs is carried out through the activities of the Advisory Council, and the results of monitoring are regularly considered at the meetings of collegial bodies: meeting of the Department, Faculty Council, GMC and the Academic Council.

The revision and adjustment of the content of the current EPs consists of the following steps:

1. In order to adjust the EP, the department, represented by the coordinators, monitors the needs of the labor market. Depending on the nature of adjustments may be subject to changes in the curriculum, passport EP, the content and teaching volume of disciplines.
2. The department forms competences and learning outcomes corresponding to the descriptors, studies normative-legal acts, professional standards, conducts monitoring.
3. Department and EP coordinators together with strategic partners (employers) and students, graduates carry out the approval procedure (through presentations, round tables). Based on the results of training, the curriculum is adjusted first.
4. Curriculum is entered into the portal by the program coordinator. Develops Program Profile, which includes the curriculum, which is reviewed at the department meeting. By the decision of the meeting of the department Passport of EP (Program Profile) is filled by the program coordinator in dms.sdu.edu.kz., approved by the head of the department, approved by the Dean of the Faculty and sent to the UMC.
5. According to the curriculum, the head of the department develops a working curriculum. It is approved by the Dean of the Faculty and is sent for consideration by the UMC. In case of a positive decision, the UMC recommends the EP to the Academic Council of the University for approval.
6. EP is approved by the Rector on the basis of a positive decision of the University Academic Council. The originals are stored in the department.
7. The learning outcomes of EP are analyzed every year, recommendations on introducing new components that form the competences in demand are developed.
8. The quality of EP is determined by the feedback of EP developers with consumers (students) and employers through questioning and interviewing.

Analytical part

The analysis of accredited EPs according to this standard leads to the following conclusions.

1. The university monitors and periodically evaluates EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics in order to meet the needs of students, employers' requirements and social demands of society. This is evidenced by the fact that the curriculum is updated annually.
2. The University has an official website of the SDU and an information system for managing the learning process. However, the EEC members note that by the beginning of the academic year 2022-2023 the management of the accredited EPs should ensure the publication on the official website of the university of the current MOP and/or passports of EPs.
3. the survey of students conducted during the visit of the EEC of the IAAR showed that the students assess the overall quality of training programs as fully satisfied and partially satisfied - 94.3%.

Strengths/best practices

Not identified.

EEC Recommendation.

- By the beginning of the academic year 2022-2023 the management of the accredited EPs should ensure the publication on the official website of the university of the current MOPs and/or passports of EPs.

The conclusions of the EEC on the criteria for the standard "Continuous monitoring and periodic evaluation of the educational program" educational programs 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01503 Physics-Informatics, 6B01502 Chemistry-Biology have 9 satisfactory positions, 1 position that suggests improvement.

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

Proving part.

In order to implement a student-centered approach to learning, teaching and a performance assessment, the University has developed an academic policy which regulates the rights and responsibilities of students. The ensuring of equal opportunities for students is achieved by the completeness of educational, organizational, methodological and informational support of the educational process in three languages of instruction: Kazakh, English and Russian. All groups of students have equal rights and responsibilities.

Students have the opportunity to choose flexible trajectories. For example, within the framework of EP 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics according to the corresponding MOPs (MOP 5B012500 "Chemistry-Biology" 2018, MOP 5B012800 "Physics-Informatics" 2018) students are given the following trajectories to choose: "secondary educational direction", "secondary-professional educational direction", "research direction". In MOP "5B010900 - Mathematics" three trajectories are offered: "trajectory - with a bias in continuous mathematics", "trajectory - with a bias in discrete mathematics", "trajectory - with a bias in applied mathematics".

The University provides special adaptation and support programs for new students. For applicants wishing to enter the English Department, in order to fill gaps in language knowledge, skills and abilities, the University offers an intensive English language course before the start of the academic year, or a Foundation preparatory course (duration of 1 year). The program of the introductory course was made and conducted in two languages (English and Kazakh), which is important for international students. Each year the incoming students are provided with a Guidebook with brief information on the educational process at the SDU (<https://drive.google.com/file/d/12ajm9YVHd5c760rxab8K7olP2i7eq2k3/view>).

For international students there is an adaptation program, which includes a set of measures on socio-psychological and academic support, a psychological counseling room is available, as well as preparatory courses are organized on the basis of the "Foundation" faculty. In order to support international students Office of International Relations provides services related to migration - invitation, registration, issuance/renewal of visas, preparation of documents, consultations on procedures for nostrification and recognition of educational documents regulated by the Bologna Process and Academic Mobility Center. International students are provided with dormitory.

Accredited EPs are implemented in three languages: Kazakh, Russian and English. All educational and methodological documentation is prepared in the appropriate language of instruction - catalogs, FTI and RUP, work programs, syllabuses, tests, exam tickets. For students of specialized departments or streams, who study the course in English - syllabuses are developed in English ("Analytical Chemistry").

All students get an individual login and password and have unimpeded access to the website and university portal (<https://my.sdu.edu.kz/>). For students from socially vulnerable families there is an opportunity to register in computer classes of the University or with the help of specially installed information kiosks.

On accredited EPs in view of the specificity of EPs only full-time form of education is used, as well as full-time form of education with the use of distance learning technology. Distance learning technologies are crucial in the conditions of the COVID-19 pandemic. Thus, the 2nd and 3rd courses are taught online (<https://moodle.sdu.edu.kz/>). The main types of educational classes are: lectures, practical and laboratory classes, SRSP classes (SRMP).

The teaching staff of the accredited EP is widely used in the educational process information and communication, interactive, video-lectures, seminars-conferences, project and research method of teaching, which was confirmed by interviewing students, as well as noted during the

attendance of classes. In the pedagogical experience of teachers of EP 6B01501-Mathematics, 7M01501-Mathematics, 8D01501 - Mathematics 6B01502-Chemistry-Biology, 6B01503-Physics-Informatics with student-centered learning such forms were widespread: case studies, group work, dialogues, research methods, brainstorming, discussions, etc. Case-study method, PBL (Project-Based Learning), Socratic Method are used according to the experience of American universities.

In order to objectively evaluate both the content of EP and the quality of teaching, the university conducts several types of monitoring of classes: open lessons (Demo Lessons), peer observations, administrative quality control (link) (Quality Control). Since 2019-2020, Reflective Teaching Observation (Reflective Teaching Observation) has been introduced as part of academic freedom.

Department of "Pedagogy of Natural Sciences" is in the process of implementing its own teaching and learning methods. To implement the results of scientific and methodological research in the educational process "Acts of implementation" are made, which gives a brief description of the implemented material, corresponding to the research. So, teachers Sapazhanov Ershat, Dauletkulova Aigul, Balta Nuri, Bekenova Gulmira, Maksutov Samat implemented the results of research in the EP.

Many topics of diploma projects and master's works of students on accredited EPs are also related to the topics of research projects of the teaching staff of the department, so, for example:

- on EP 6B01501 Mathematics, "Effective ways of teaching to solve text problems in online learning", "Formation of research competence of schoolchildren on the basis of teaching elements of statistics";
- EP 7M01501 Mathematics, "Peculiarities of innovative methods in teaching mathematics", "Technology of using didactic games in the process of teaching mathematics";
- EP 8D01501 Mathematics, "The use of online methods of teaching mathematics in a virtual classroom", "Methods of teaching the basics of stochastics in the digitalization of education";
- EP 6B01502 Chemistry-Biology, "Integration of modern methods of molecular biology in the teaching of biology", "Application of CLIL methods in the teaching of biology";
- on EP 6B01503 Physics-informatics, "Use of multimedia technologies in teaching physics in classes of inclusive education", "Use of information and communication technologies in teaching school physics course".

Personal growth and development of the student in the process of mastering the EP is tracked by the results of current, midterm and final exams, in the form of tests, oral and written surveys, etc. Monitoring of progress and academic achievements of students is carried out through a system. This system provides the functions of registration of academic achievements of students through an electronic journal (grades for midterm, final control, practical training, state exams).

Control and evaluation of academic achievements of students established in the "Regulations on the evaluation of students" and is the sum of the weighted average assessments for each type of control and entered into a summary of the final statement, as well as in the transcript of students. The level of academic achievements, students for each module (discipline) is determined by the final grade, formed from the grade of the intermediate rating and grades for the final control. Information about the evaluation system is presented in the guides that are available to students, as well as additional information about the evaluation system is presented in the personal accounts of students on the University portal.

During the study of the discipline various types of current control of students' knowledge can be provided: oral questioning (colloquium), written tests, combined questioning, defense and presentation of homework, discussion, trainings, round tables, group discussion of issues of problematic nature, tests, coursework / project, other interactive methods of classes. Teaching staff for monitoring of students maintains either a special journal, an online document where students can view their grades or uses sites such as edmodo, google, blackboard, where grades are entered, and each student has the opportunity to see their grades.

Information about academic achievements of students are stored and processed on the intranet (link internal SDU portal), and ranking of students by GPA. At the end of each semester the Department of Quality Assurance analyzes the grades in the context of EP at all levels of education: the average evaluation of EP and quantitative data on grades by the letter system are displayed. The results are discussed collegially at the Educational and Methodological Council. The faculty conducts a constant monitoring of the progress of students, the results of which are executed in the form of statistical data. The results of the implementation of the educational program are evaluated through quantitative and qualitative indicators (Table 3).

Table 3 - Performance of students

Year	Absolute average performance					
	2018-2019		2019-2020		2020-2021	
	Average GPA	Quality index, %	Average GPA	Quality index, %	Average GPA	Quality index, %
EP 6B01501 Mathematics						
1 year	2.67	76.66	2.67	76.76	3	87.27
2 year	2.67	75.48	2.67	76.91	2.67	79.74
3 year	2	68.61	2	72.57	2.67	77.11
4 year	2.33	70.63	2.33	71.70	2.67	76.45
EP 7M01501 Mathematics						
1 year	3	82.71	2.67	77.39	3.33	85.73
2 year	3.33	89.43	2.33	70.23	3	81.91
EP8D01501 Mathematics						
1 year	3.67	90.00	3.67	91.86	3	80.51
2 year	4	95.33	3.33	87.99	3.67	92.22
3 year	3.67	90.00	4	95.33	3.33	87.99
EP 6B01502 Chemistry-Biology						
1 year	3	82.68	3	82.84	3.33	86.14
2 year	3	80.21	3	81.83	3.33	85.25
3 year	-	-	3	80.01	2.67	79.53
4 year	-	-	-	-	3	81.48
OП6B01503 Physics-informatics						
1 year	2	68.92	3	80.98	3.33	88.47
2 year	2.33	74.28	2	66.26	3	84.85
3 year	-	-	2	68.15	2	65.67
4 year	-	-	-	-	2	69.68

Analytical part

During the visit, the EEC experts came to the following conclusions on this standard.

In order to improve the quality of training and inculcate professional competencies, the department is working on providing students with the opportunity to choose an individual trajectory of learning with the right to choose the disciplines, which was confirmed by the students during the interviewing. The Commission noted that the learners confirmed the existence of an appeal mechanism. Also, in the process of interviewing students and teaching staff was revealed an active use of the university website, which confirms its effectiveness.

The university applies different methods of teaching and learning, focused on students in the EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01503

Physics-Informatics, 6B01502 Chemistry-Biology, using modern interactive methods in combination with IT technologies.

In general, the educational process meets the standards of student-centered learning. At the same time, the EEC notes the insufficient volume of the teaching staff's own research in the field of teaching methodology of the renewed disciplines. The potential for research in the field of teaching methods (Academic Science) in the areas of the accredited EPs is evident in the teaching staff, as well as confirmed by the opinion of employers who have expressed their interest and willingness to cooperate in the implementation of research in this direction. The EEC notes the general tendency of low scientific activity of the teaching staff. Thus, in 2021 the teaching staff of the department did not apply for grant funding of scientific research under the MES of RK.

The EEC notes some brevity and formalism in the compilation of syllabuses, which is confirmed by the analysis of the documentation provided, interviewing the heads of the SDU departments. This formalization is partly a consequence of the automation of the educational process. At the same time, it is noted that the criteria for evaluating of students within the EP disciplines in syllabuses are not disclosed, which creates difficulties for students.

In general, both students and teaching staff expressed positive opinions about the implementation of the accredited EP, which was subsequently confirmed by the results of the survey: Students believe that the university provides equal opportunities for all students - 70.7%, also express full satisfaction with the quality of teaching 70.4%, fairness of examinations and attestation - 74%, conducted tests and exams - 62.6%.

Strengths/Best Practices

No strengths were identified by the criteria of this standard

Recommendations of the EEC

- By September 1, 2022 to approve the plan for the scientific activities of the department, including the publication of scientific articles, monographs, textbooks, as well as grant and initiative projects in the field of teaching methodology EP disciplines. The Plan takes into account the index of at least 1 publication per 1 full-time faculty member. During 2022 to prepare at least 1 application for grant funding of scientific research.

- By the beginning of 2022-2023 academic year to review the content of syllabuses in order to detail the procedures for assessing the results of learning, it is necessary to disclose the methodology and assessment criteria.

The conclusions of the EEC on the criteria for the standard "Student-centered learning, teaching and evaluation of learning outcomes" educational programs 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01503 Physics-Informatics, 6B01502 Chemistry-Biology have 9 satisfactory positions, 1 position that suggests improvement.

6.6. Standard «Students»

Proving part.

The EEC confirms that the policy and procedures of admission of applicants to the SDU are consistent with the mission, vision, and strategic goals of the university and are officially published on the website of the university (<https://sdu.edu.kz/ru/admission/>). Admission of undergraduate and graduate students is carried out in accordance with the regulatory document "Standard rules of admission to educational organizations implementing educational programs of higher and postgraduate education," approved by Order of the Minister of Education and Science of the Republic of Kazakhstan on October 31, 2018 № 600. During the admission of those applicants who want to study in English - take a level test in English.

The formation of the contingent of students is carried out through the placement of the state educational order for the training of scientific personnel, as well as tuition at the expense of own funds of citizens and other sources. The University implements a consistent social policy, which has developed and operates mechanisms of social support for students, including the provision of

the SDU tuition grant, tuition fee benefits, affordable rates for accommodation in the dormitory, the services of the student welfare center.

Gifted students are supported by such events as SPT (General Subjects Test among 10th and 11th graders), Infomatrix (International Olympiad aimed at developing IT projects). In 2020, according to the results of the SPT Olympiad, 264 applicants became certificate holders. Among them 18 participants won 100% tuition fee, another 18 won 50% discount, also 18 were granted 30% discount, the remaining 210 were granted 15% discount.

According to the provision on payment, students on a paid basis with a high GPA have the opportunity to receive a discount: monitoring is made by the COE and is submitted for discussion to the Financial Council. So, for example, in 2020 4 learners received a discount in the amount of 50% for training (Minutes of the Financial Council №1 from 3.09.2020).

The EEC confirms that the SDU has rules and procedures governing all periods of training, including admission, progress, recognition and certification, as well as a mechanism through which to monitor the academic achievements of students, the progression of the educational trajectory. Procedures and regulations governing the life cycle of students are approved and presented in the academic policy of the university.

Evaluation of compliance between the admission process and the subsequent progress of students in the context of the program is carried out by monitoring knowledge on the basis of AIS PMS Registrar's Office and graduate departments. This process is regulated by the Regulations "Teaching credit technology", "Admission of students" and in "Academic policy" on the basis of the Rules of the educational process for credit technology students approved by decree of MES RK № 152 from 20.04.2011 (with amendments and additions from 28.10.2018 № 563), Standard Rules for current control of progress, interim and final assessment of students in higher education institutions.

The results of the session, analysis of the progress in the context of faculties, courses, programs, the results of the SAC are considered at the meetings of the Educational and Methodological Council and the Academic Council of the University (Minutes of the Educational and Methodological Council № 4 dated "16" November 2021, Minutes of the Educational and Methodological Council № 6 dated "19" January 2021, Minutes of the Academic Council № 4 dated November 29, 2019).

Data on the progress and quality of learning are shown in Table XX (see Student Centered Learning Standard).

The transfer of students from course to course is based on the transfer grade point average (GPA) established by the Academic Council of the University. The procedure for the implementation of contingent formation procedures including the rules of admission, transfer from course to course, transfer from other universities, the order of transfer credits mastered in other universities, the order of expulsion, etc. are available to students on the portal <https://my.sdu.edu.kz/> in the form of rules and regulations governing this process in the university.

The management of EP systematically analyzes information on the contingent of programs to improve their effectiveness. On the basis of these data at the department informational and explanatory and career guidance work with the current contingent of students, as well as with applicants is carried out. The department and the faculty conduct a comparative analysis with the contingent of other universities to determine the career guidance policy. It should be noted the overall positive dynamics of the contingent for all accredited EP (Table 4).

Table 4 - Contingent of students in accredited Eps

OII	Contingent of students								
	2018-2019			2019-2020 үч. г.			2020-2021 үч. г.		
	Total	Grant	Paid	Total	Grant	Paid	Total	Grant	Paid
6B01501 Mathematics;	129	94	35	120	101	19	160	143	17
7M01501 Mathematics;	73	37	36	91	67	24	139	118	21
8D01501 Mathematics;	11	6	5	14	9	5	16	14	2

6B01502 Chemistry-Biology	140	127	13	207	190	17	260	244	16
6B01503 Physics-Informatics	52	49	3	82	75	7	111	105	6

For the adaptation of students, the initial familiarization of students with the corporate culture of the organization, its history, the order and features of training in the university and within the framework of the EP, orientation week (<https://www.youtube.com/watch?v=peyHA4Smgew>) is held in the SDU. During orientation week Dean of Faculty, Head of Department, curators hold organizational meeting, curatorial hours, introductory classes, at which they acquaint first-year students with the rules of credit technology, knowledge evaluation system, transfer rules and calculation of GPA, introduce the faculty, departments, coordinators and editors, rules of order and the Charter of the University, the rules of residence in the hostel, the corporate culture code and acting at the University and the faculty clubs and student self-government organizations, with the regime of the University, the rules of the student self-government. Every academic year the "Guide" is published, it is available both in hard copy and in electronic form. Along with the Guide, freshmen receive a notebook, a pen, and a SDU-branded mask. For students who are new to the University, there is a meeting with an Advisor and a member of the Student Government; for social issues, the student can contact the Social Coordinator in the department. Orientation week also includes a cultural and recreational program designed to prevent the experience of leaving school, to overcome the fear of public speaking, and to ease the transition into a new community.

There is an adaptation program for foreign students that includes a range of socio-psychological and academic support measures, a psychological counseling room, as well as preparatory courses on the basis of the "Foundation" faculty.

Foreign citizens are admitted to the University on the basis of the allocated quota on the basis of the state educational order to international higher educational institutions established on the basis of interstate agreements, as well as on a fee basis.

Table 5 - International Students

EP	Name	Year of admission	Year of study	Citizenship
6B01503- Physics-Informatics	Абдуллаев Фазлиддин	2018	4	Tajikistan
6B01503- Physics-Informatics	Айтжанов Назарали	2018	4	Tajikistan
6B01501 Mathematics	Омар Абеди Мбала Томас	2019	3	Kenya
6B01501 Mathematics	Туркан Узун	2020	2	Turkey
6B01501 Mathematics	Жоао Елича Ферейра	2020	2	Angola

In order to support international students during the academic year the University holds such events as International Cultural Fest, Nauryz, Infomatrix. The events are organized by the AIS Student Club, the Department of Social Work and the Office of International Relations. Student organization "Academic club" conducts mini-courses on basic Kazakh language (Russian language), thematic events, which are organized at the initiative of international students themselves. So, in 2019 the theme of the event was "Africa". Representatives of the club on this day introduced students to the culture of African countries, mainly they demonstrated traditional

clothes, national dishes, ending with a performance of national dances and music. In the second semester students participate in "Nauryz" event which takes place in the open air on the territory of the University, yurts are rented, concert program is prepared, traditional games are played. On this day, alumni and parents of students are invited to the University, thus the SDU provides an opportunity for new acquaintances. All these activities are aimed at supporting intercultural exchange, acquainting with the traditions of other countries, and the integration of foreign students.

Internal documents of the SDU on academic mobility, based on which the recognition of prior learning outcomes and qualifications

(The center of the Bologna Process and academic mobility, Academic policy, the Regulations of academic mobility, the Regulations on credit technology training, the Regulation on admission of students, "The concept of academic mobility of students of higher educational institutions of the Republic of Kazakhstan", "Rules of the educational process on credit technology training") are the evidence of the university's compliance with the Lisbon Recognition Convention and commitment to the provisions of the Lisbon concept.

Nostrification procedure is carried out by the Center of the Bologna Process and Academic Mobility on the basis of the Rules of recognition and nostrification of documents on education approved by the order of the MES RK № 352 from 21.07.2021.

Graduates upon completion of training and upon completion of all final procedures have the opportunity to obtain a European Diploma Supplement (Diploma Supplement) of the SDU. The European Diploma Supplement is a single official document of education recognized by all the countries participating in the Bologna process, which in standardized form explains the details of the educational program.

Since 2016, the university issues to graduates the European Diploma Supplement in three languages (Kazakh, Russian and English), which corresponds to the recommendations of the Council of Europe and UNESCO on the standard of the Bologna Process. In the Diploma Supplement all passed credits of graduates is calculated on the ECTS automatically in the university portal SIS (student information systems).

When selecting universities as partners, the University pays special attention to the comparability of the quality of educational services in other higher educational institutions of the Republic of Kazakhstan. For example, in Mathematics, Chemistry-Biology, Physics-Informatics - Buketov Karaganda University, Eurasian Technological University, East Kazakhstan University named after S. Amanzholov, Kazakh National Pedagogical University named after Abay, Kazakh National University named after Al-Farabi.

The Department of International Relations of the University has signed memoranda with 25 countries, sent more than 200 students on exchange to such countries as USA, England, Poland, Germany, Turkey, Portugal, Korea, China, Malaysia, Lithuania, Latvia and others. (List of memorandums and agreements SDU, Copies of agreements). In addition, the University is working on ERASMUS projects in the direction of pedagogy and engineering. Among other agreements, the Department of Pedagogy of Natural Sciences actively works under agreements with University Malaysia Pahang (Malaysia), North American University (Houston, Texas, USA), Public Association "Academy of Pedagogical Sciences" (RK) (links).

At the moment there is a foreign program at the university: Erasmus+ (<https://sdu.edu.kz/outgoing-exchange-students/>). At the Faculty of Pedagogical and Humanities, the coordinator of internationalization is a senior lecturer of the Department of Language Education Nurmetov D.

Students of accredited EPs take part in academic mobility. Within the framework of EP 6B01502 Chemistry - Biology academic mobility program were accepted students of the 1st, 3rd year from University Malaysia Pahang. The language of study of EP "Chemistry - Biology" for students from Malaysia is English.

Table 6 - Information on incoming academic mobility of students

Name	EP	University	Year
Ahmad Nasruddin Sorfina	EP 6B01502 - Chemistry Biology	University Malaysia Pahang	2019
Mohd Zaim Nur Nabilah	EP 6B01502 - Chemistry Biology	University Malaysia Pahang	2019
Mohd Kamarulzaman Nurul Hazwah	EP 6B01502 - Chemistry Biology	University Malaysia Pahang	2019

As part of the academic mobility program, students of the EP "Chemistry - Biology" were sent to foreign universities. For example, in 2017-2019 students were sent to Kaunas University of Technology in Lithuania, Sookmyung Women's University and Hankuk University of Foreign Studies in Korea, University Putra Malaysia in Malaysia (Order №09.3-05/369 from 28.08.2019).

Table 7 - Information on outbound academic mobility of students

№	Name	Specialty	University	Year
1	Kunsakova Asemzhan	5B012500 Chemistry Biology	Kaunas University of Technology, Litva	2019
2	Dana Kanatova	5B012500 Chemistry Biology	Hankuk University of Foreign Studies, Korea	2019
3	Victoria Rastorgueva	5B012500 Chemistry Biology	Kaunas University of Technology, Litva	2019
4	Mukhabetova Aruna	5B012500 Chemistry Biology	Hankuk University of Foreign Studies, Korea	2017
5	Meruert Zeynullova	6B01501 Mathematics	UPM, Malaysia	2017

EEC confirms that the university management makes efforts to provide students with internships and ensure the employment of graduates. Internship and pre-diploma practices take place on the basis of contracts (link); the process is coordinated by the graduating departments together with the Department of Career Services.

The Department of "Pedagogy of Natural Sciences" in order to provide students with internship concludes agreements or Memorandum of Cooperation (link). Many of the above institutions serve as permanent practice bases for a long time, which contributes to the productive organization of professional practice of students.

In order to improve the quality of internships and support students during internships, the Graduate Department has developed an internship program and methodological recommendations (link). The degree of satisfaction with the level of organization of practice is determined during the preparation of reflective reports on practice and their defense at the final conference on practice, as well as by questioning students about the quality of practice. For each type of practice the department appoints a practice supervisor, who is responsible for the quality of the practice content of students. The student can address to the supervisor on the questions arise during the practice, and the supervisor, in his/her turn, tries to solve the arisen problem by contacting the practice bases.

The criterion for the choice of the internship base is its compliance with the requirements, ensuring the implementation of the program in its entirety and compliance with the profile of the specialty. Some organizations as a base of practice were chosen by students themselves by

agreement with the department, while taking into account the possibility of subsequent employment of graduates in these organizations.

For passing an internship there is a selection of the establishments which correspond to a direction of the educational program on which the student learns. Every student chooses an internship site out of the available internship bases according to his education trajectory, where he has an opportunity to deepen his knowledge in the field in which he wants to lead his professional activity. Often the topic of graduation works (projects) is closely connected with the place of internship. There is also an EduCareer program at the bachelor's degree level, which allows students, having concluded a trilateral agreement between the educational institution, student and university, to start working at the educational institution already in the seventh semester and to count the acquired professional competencies for educational credits within their educational program.

At the Faculty of Pedagogical and Humanitarian Sciences Beta Career program successfully practiced to systematically attract employers at Suleyman Demirel University. Under its terms, students of EP 6B01501 Mathematics; 7M01501 Mathematics; 8D01501 Mathematics; 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics can have an internship with further employment during the last two semesters of study. Under this program have been signed more than 100 contracts with leading schools such as NISH, BIL, gymnasiums and lyceums for internships. The department "Pedagogy of sciences" signed more than 200 agreements with educational institutions of the Republic of Kazakhstan, including NISH, BIL, TAMOS education, specialized lyceums and gymnasiums for teaching and industrial practice of EP: Mathematics 6B01501; Chemistry-Biology 6B01502, Physics-Informatics 6B01503. For master students in the OP 7M01501 Mathematics concluded a contract with JSC National Training Center "Orleu" Institute for Advanced Training of Education in the Almaty region to take a scientific internship. Trainees of doctoral program 8D01501 Mathematics have foreign scientific internship at universities, which also have agreements with Pahang University of Malaysia and the International Islamic University in Malaysia. The quality of basic facilities for the practice meets the requirements, the existing agreements with the organizations of the city were presented to the EEC. The organization and educational and methodological management of student internships is carried out by the department of professional practice and employment, as well as the department, which appoints supervisors and summarizes the results of the practice under the signed agreements.

Monitoring of students' employment is carried out by collecting information about students before they graduate from the University. An electronic questionnaire is used for this purpose, which is updated within 3-4 months after graduation through emails, questionnaire forms and phone calls to graduates. Further, it is monitored through the SDU Connect mobile app. The questionnaires are based on the Google Form, followed by links to the last 2 years' forms: <http://bit.ly/sdu2020graduate> and <http://bit.ly/sdu2019alumni>. The employment data for the evaluated EPs are presented in Table 8. The EEC notes a high percentage of employed graduates for all the accredited EPs.

Table 8 - Information on employment of the graduates of EPs in the cluster

EP	2018-2019		2019-2020		2020-2021	
	Number	Employed %	Number	Employed, %	Number	Employed, %
OPI 8D01501- Mathematics	2	100%	2	100%	3	100%
OPI 7M01501- Mathematics	11	91%	27	93%	29	97%
OPI 6B01501- Mathematics	37	91%	20	95%	24	100%
OPI 6B01502 Chemistry Biology	-	-	-	-	21	100%
OPI 6B01503 Physics-Informatics	-	-	-	-	6	100%

The Faculty practices the involvement of students in the management processes of the University. For example, the representatives of students of EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics are members of the Advisory Board, where they discuss topical issues, improvement of educational programs, updating the content of education, etc. (<https://drive.google.com/drive/u/0/folders/1DNBTKTLw-4LhTJrquyX1Yvrd57gB5MyZ>) (for example, the minutes of the Advisory Board №4 of 21.05.2020). Participation of students in the collegial bodies of the faculty allows them to be involved in decision-making and coordination of problematic issues.

So students of EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry - Biology, 6B01503 Physics - Informatics programs actively participate in the social life of the Department, the Faculty and the University. The student of the 3rd year of study program 6B01503 Physics-Informatics Maksatbekyzy Nazerke is the Minister of faculty, 6B01502 Chemistry-Biology - Nurbaeva Zhibek is the Vice-Minister of faculty.

The Department of Pedagogy of Natural Sciences carries out activities for the harmonious development of students, taking into account their intellectual development and individual characteristics. Subject Olympiad in mathematics, physics-informatics, biology-chemistry. Book reading event among students. Intellectual event Zerde.

In order to develop the intellectual abilities of students in EP 6B01501 Mathematics, EP 7M01501 Mathematics, EP 8D01501 Mathematics, EP 6B01502 Chemistry-Biology, EP 6B01503 Physics-Informatics on an ongoing basis preparation for university, national, international conferences, competitions, Olympiads, tournaments. For example, in 2019 a conference on "Development and prospects of science of Kazakhstan through the eyes of young people" was held according to the results of participation in which the students published publications and every two years within the faculty conferences "ICBCB" (International Conference Building Cultural Bridges) with the involvement of various scientists, researchers and famous speakers in education and others to discuss research on global trends and values in education are held. In addition, beginning in 2019, the university has hosted an annual International Young Scholars Conference featuring undergraduate, graduate, and doctoral students. Also in 2019 at the Republican Student Subject Olympiad in Mathematics at Thoraygrov University, where participated full-time students of the 1st-4th years of higher education institutions of RK, which are preparing bachelors of education in the EP 6B01501 Mathematics. According to the results of the Olympiad in the team competition our university team won second place, and in individual competition a student of our university Kayyrzhanovich Bekbol won first place, who at that time was studying at the 1st course. Thus, students of accredited EP participate in subject Olympiads and take prizes, as evidenced by the diplomas presented to the EEC.

Gifted students are supported by such events as SPT (General Subjects Test among 10th and 11th graders), Infomatrix (International Olympiad aimed at developing IT projects). In 2020, according to the results of the SPT Olympiad, 264 applicants became certificate holders. Among them 18 participants won 100% full tuition fee, another 18 won 50% discount, also 18 were granted 30% discount, the remaining 210 were granted 15% discount.

According to the tuition regulations, commercial students with high GPAs have the opportunity to receive a discount: monitoring is done by the COE and sent to the Finance Board for discussion. So, for example, in 2020 4 students received a discount in the amount of 50% for training (Minutes of the Finance Council №1 from 3.09.2020).

Analytical Part

Based on the analysis of the submitted documentation, visual inspection of the university and interviewing of the stakeholders, the EEC confirms that the university has documented the rules regulating all periods of training, including admission, assessment of progress, recognition and certification. There are conditions for students to master competencies within the framework of EP and for personal growth.

According to the materials of the survey of students fairness of examinations and certification are fully satisfied 74% of the respondents. Informing of the requirements in order to successfully finish this specialty completely satisfied 66,2% of students.

The dynamics of the contingent of students for the five-year period on the accredited EP is positive and characterized by stability. Graduates of the accredited EP are in demand in the labor market, which is confirmed by a high percentage of employment.

EEC notes a wide involvement of students in the processes of EP management through their inclusion into the Advisory Boards of faculties (Advisory Boards).

Strengths/Best Practices

The EP management conducts a wide range of specialized adaptation and support programs for newly arrived local and international students (orientation week). Adaptation programs take into account the specificity of the contingent and select appropriate activities that contribute to the comfortable adaptation of all groups of students.

The university encourages students to self-education and development outside the basic program through a wide range of clubs, sections, clubs, involvement of students in the social life of the university and sports events.

The university provides students with internships, the profile orientation of which allows graduates to master all the key skills of their future profession, implement systematic work on employment and monitoring the career development of its graduates.

EEC Recommendations

No recommendations

Conclusions of the EEC on the criteria of the standard "Learners" educational programs 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01503 Physics-Informatics, 6B01502 Chemistry-Biology have 3 strong, 9 unsatisfactory positions.

6.7. Standard «Teaching Staff»

Proving Part

Staff selection at Suleyman Demirel University takes place according to the rules which are developed according to normative legal documents based on the Labor Code of RK, the Law of RK "About education", Standard qualification characteristics of positions of pedagogical workers and equated persons, approved by Order of the Minister of Education and Science of the Republic of Kazakhstan.

Indicators for the qualitative and quantitative composition of the teaching staff of the department confirm the availability of human resources necessary for the implementation of EP and corresponding to the qualification requirements for licensing of educational activities. The quantitative and qualitative composition of the teaching staff of the departments is presented in Table 9.

Table 9 - Quantitative and qualitative composition of the teaching staff of the accredited EPs

Total faculty (including full-time)	Average age	Faculty with academic degrees (including full-time)				
		Total with degree	Doctor of Science	Candidate of Science	PhD	% with degree
6B01501 Mathematics						
18(17)	39	9	-	6	3	50
7M01501 Mathematics						
8(8)	49	7	-	5	2	87
8D01501 Mathematics						
4(4)	52	4	-	4	-	100
6B01503 Physics-Informatics						
24 (22)	38	11	-	6	5	46
6B01502 Chemistry-Biology						
34(28)	40	18	-	11	7	53

The winners of the state grant "The best teacher of the university" are Candidate of Pedagogical Sciences, Associate Professor A.U. Dauletkulova, Associate Professor B.D. Sydykhov. Maksutov S.M. leads the team of Kazakhstani schoolchildren on the Olympiad of Physics since 2018. He is an author of 2 textbooks and has honorary diploma of the Minister of Education and Science of the RK.

All teachers of the departments, serving these accredited programs, have basic education in their profile. All teachers have concluded labor contracts on the basis of the decision of the competitive commission on the replacement of positions. All teachers carry out the teaching load in accordance with the norms of hours distribution. Fulfillment of the teaching load and individual work plans of the university teachers is considered on the meetings of the Faculty Councils, the total report on the university is considered on the Academic Council of the University. Fulfillment of individual plans of the teaching staff of the graduate departments of Study Program 6B01501-Mathematics, 6B01502-Chemistry and Biology, 6B01503-Physics and Informatics, 7M01501 Mathematics, 8D01501 Mathematics "Science Pedagogy" is controlled by the results of the semester at the department meetings (№ 5 of 02.12.2020, № 11 of 22.06.2021). EEC confirms that the university portal provides information about the teachers of the departments in the section "Employees" (https://sdu.edu.kz/profile-list/?staff-az=*), as well as full information of the teaching staff is reflected on the internal portal in the section "Resume" (<https://pms.sdu.edu.kz>).

Support of teachers in professional development is carried out through the organization of various both internal webinars, seminars and outside the university, including the traditional Winter, Summer School. The purpose of internal seminars is to familiarize/train the teaching staff and academic staff (faculty administration, specialists, chief specialist and secretaries of faculties) with innovations, exchange of experience. The topics of Winter and Summer schools (January and August seminars) are selected by conducting observation sessions by UMC specialists. On the basis of the work done the following topics are suggested for the Winter School: organization of group work in classrooms, time management, effective pedagogy, corporate mail culture, flexible skills. The annual Winter and Summer School programs are aimed at improving the quality of teaching and the quality of the development of EP. For example, at the August 2017 seminar, there were topics such as "Syllabus Development," "Pedagogy and Assessment," the 2018 Winter School had topics such as "ECTS," "How to Organize a Class Effectively," the 2018 - 2019 Summer and Winter School had a 72-hour seminar on topics such as Group Work, Dialogue Method in Teaching, Project-Based Learning, Student Centered Learning, Questioning Strategy, Motivating Students, Effective Teaching Methods, and others. Due to the pandemic and complete transformation of the format of learning in higher education institutions, issues related to quality online, blended learning have become a mandatory component in the content of the 2019, 2020 and 2021 Summer and Winter Schools. To support the learning process in a virtual format, the 2020 professional development sessions focused on increasing teachers' ICT literacy in working with online platforms and webinar participants were provided with useful tools and emerging trends from the digital world. Winter and Summer School 2021 were also aimed at enhancing teachers' digital skills ("Cyber Pedagogy", "Feedback on Distance Format", "Virtual Office Hours" and "Moodle Platform LMS Functions", "Psychological and Emotional State of Stakeholders", "Interaction with Students in Online Format", etc.).

The EEC notes the presence of an additional mechanism for motivating professional and personal development of the faculty of the educational programs 5B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics due to the three-tier system of education in the SDU. The following is information about the training in the 8D01501 Mathematics doctoral program.

Table 10 - Faculty members of the department admitted to the doctoral program 8D01501-Mathematics

№	Name of a teacher	Doctoral specialization, University	Year of admission
1.	Almas Abdullakh	6D060100 Mathematics, SDU	2016
2.	Sapazhanov Ershat	6D060100 Mathematics, SDU	2017
3.	Orynbasar Elibek	6D060100 Mathematics, SDU	2017
4.	Aidarkyzy Balym	6D060100 Mathematics, SDU	2018
5.	Omarbek Nurbavliev	6D060100 Mathematics, SDU	2018
6.	Ədilet Duman	6D060100 Mathematics, SDU	2019
7.	Mustafa Abdalbakiogly	6D060100 Mathematics, SDU	2019
8.	Rasyl Aksholpan	6D060100 Mathematics, SDU	2019

In order to improve the quality of educational services, the university annually finances a trip to a foreign business trip of the teaching staff to participate in a conference with a report, professional development (there is an opportunity to be certified abroad).

An additional mechanism for motivating the research activities of the teaching staff is regulated by the "Regulations on incentives for teaching staff and the system of rewards for research achievements", according to which there is a financial reward for the University scientists who are actively engaged in scientific research, who received and published scientific results in journals with high impact factor Thomson Reuters, Scopus, Web of Science; (University Regulations on incentives for teaching staff and the remuneration system for research achievements). The EEC notes the presence of a system of motivation for professional and personal development, described in the Regulation of the SDU on bonuses for the availability of professional certificates at the teaching staff.

In order to encourage teaching staff to continuously improve their English language skills, there is a system of wage bonuses ranging from 15000 to 900000 tenge, for teaching staff who have passed the test and received a certificate confirming the level of English language skills (IELTS, TOEFL).

On the basis of the university operates a center "Professional Development and Innovation" to support young teachers, professional development of teaching staff, teachers of the school.

Table 11 shows the data on the participation of teaching staff in professional development courses for 2017-2020.

Table 11 - Professional development of the teaching staff of the accredited Eps

EP	2017	2018	2019	2020	2021
6B01501- Mathematics	9	10	12	15	6
6B01502- Chemistry-Biology	-	5	8	12	5
6B01503- Physics-Informatics	-	5	7	10	5

7M01501- Mathematics	6	8	10	12	6
8D01501- Mathematics	6	8	10	12	6

Faculty performs research as a mandatory component of their activities during the main working hours in accordance with the individual work plan of the teacher. Table 12 shows the participation of teaching staff in research projects.

Table 12 - Faculty Research Projects

№	Title of scientific project	Project participant	NAME scientific advisor
EP 6B01501 - Mathematics			
1	Implementing STEM technology and applications in the Discrete Mathematics discipline (2020-2021 2nd semester)	Орынбасар А., Алмас А., Расил А.	Irina Lyublinskaya
2	Irregular sets in a dynamic system IRN: AP08051987 01.01.2021-31.12.2022	Орынбасар А, НС	Shirali Kadyrov
3	Al-Farabi's mathematical legacy in modern education NO. 0115RK01296 2015-2017	Бостанов Б., ЧНС	Bidaybekov E.
EP 6B01502 - Chemistry-Biology			
4	MDE Mugalim Development Scholarship Social project, by the property contract	Yilmaz H.S., co-director	Daniyar Zhumabekov
EP6B01503 - Physics-Informatics			
5	Psycholinguistic requirements for language, text and non-textual apparatus of educational literature. ИРН: AP08855878 2020-2022 гг.	S.M. Maksutov, SNS	Duisebekova Zhainagul
6	Physical features of the formation of silicon detectors of nuclear radiation of large size ИРН: AP09058014 2021-2023 гг.	Dappashev N. Head	Dappashev Nursultan

The results of research activities are implemented in the educational process in the development of elective courses, published in various publishers, including journals with a high citation index. Below, Table 15 presents data on the number of published papers of the teaching staff of the department involved in the implementation of the EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics for the years 2017-2021.

Table 13 - Number of scientific articles of the teaching staff of the Department of "Pedagogy of Natural Sciences" for 2017-2021.

Educational programs	Journals recommended by the COSON of the MES RK	Database Scopus	Database Web of sciences

6B015001 Mathematics 7M015001 Mathematics 8D015001 Mathematics	70	20	6
6B015002 Chemistry-Biology	20	15	5
6B015003 Physics - Computer Science	10	10	4

Over the past three years, teachers of the department "Pedagogy of natural sciences" prepared and published 4 textbooks. Materials of published manuals are implemented in the educational process. On the fact of implementation of any scientific and methodological research are made "Acts of implementation", which give a brief description of the implemented material. (link). The results of intellectual activity implemented in the EP 6B01501 - Mathematics, 7M01501 - Mathematics, 8D01501 - Mathematics, 6B01502 - Chemistry - Biology, 6B01503 - Physics - Informatics are presented below in Table 14.

Table 14 - Department's teaching materials implemented in the EP

№	Author	Type and Title	Year	OP Discipline
1	Sapazhanov Ershat	Tutorial "Probability theory and elements of mathematical statistics".	2020	Applied Statistics
2	Dauletkulova Aigul	Tutorial "Innovative methods of teaching mathematics"	2018	Professional Development of Mathematics Teacher Skills
3	Balta Nuri	Article in Scopus journal "The impact of the teacher-led professional development program on student learning outcomes: an experimental study"	2019	Research Technology
4	Bekenova Gulmira	Tutorial "Ecology and Sustainable Development	2018	Ecology and Sustainable Development
5	Maksutov Samat	Tutorial "Solution of Olympiad Problems in Physics	2020	Physics Olympiad Problem Solving

Class self-attendance is conducted within the Reflective Teaching Observation Policy In SDU (https://drive.google.com/drive/folders/1MBi-Pta_819vPk_YPhQwRA7Sw__Rhv8G), which is implemented for quality control and continuous professional development. Class visits are conducted according to the approved schedule, the results are discussed at the department meetings (#4 of 12.11.2019, #9 of 16.04.2021, #4 of 30.11.2018).

Professors from foreign universities are invited to implement the accredited EP. Table 15 shows the invited professors of foreign universities and the names of modules, courses within which classes were conducted.

Table 15 - Incoming academic mobility

№	Full name of professor	Name of course	Period of visit
EP 6B01502 Chemistry-Biology			
1	Sergey Yegorov, PhD University of Toronto	«Immunology»	From 1 of September till 27 December 2018
2	Amanda Liberman, University of Yale, New York	Cytology and histology	From June 1 to June 30, 2018
7M01501 Mathematics			
4	Dr. Rosemary Anne Callingham Faculty of Education, University of Tasmania	«Introduction to Rush Analysis," "Developing a Research Proposal and Plan," and "Tips for Writing a Thesis	October 29 - November 29, 2018

During the reporting period, within the framework of educational programs the following practitioners with experience in the relevant branches of mathematics, chemistry, biology, computer science, physics were involved (Table 16).

Table 16 - Practitioners attracted for realization of the EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics

Teacher Name	Academic degree, position	Name of organization, institution, state body	Working period	Purpose of engagement
Nuri Balta	PhD, assistant professor	NISH, Almaty	2019-present	Lecturer
Rismetov B.A.	PhD, assistant professor	School named after Shokan Ualikhanov, Almaty	2019 to present	Lecturer
Ordabaev A.E.	Teacher of chemistry of the highest category	NISH, Almaty	from 2017 September	Lecturer
Sandybaev Yerbol	Physics teacher of the highest category	NISH, Almaty	From 2021	Practitioner
Zhapbasov Nursultan	Physics teacher of the highest category	NISH, Almaty	From 2021	Practitioner

The teaching staff of the department "Pedagogy of natural sciences" actively participates in social and cultural life of the region. So on OP 6B01503 Physics-Informatics, PhD Maksutov Samat was a member of the jury in the International Zhautykov Olympiad in Physics 2018, 2019, 2020. He was a member of the jury in the final stage of the Republican Olympiad in Physics in

2018, 2019, 2020. He was a member of the panel of international judges at the Al-Fergani International Olympiad in Physics in 2021 in the Republic of Uzbekistan. He has been a leader of the Kazakhstan national physics team since 2018. Member of the Independent Selection Committee at the Center for International Programs.

On OP 6B01501 Mathematics st. Prep Orynbasar Alibek was a member of the jury at the Olympiad of the Almaty region in mathematics in 2018, 2019, 2020, as well as was the chairman of the jury in 2019. He was a member of the jury of the mathematics science project competition for schoolchildren in Almaty region in 2018, 2019, 2020, 2021. Orynbasar A. has been an expert at the National Testing Center under the Ministry of Education and Science of the Republic of Kazakhstan since 2017. He was also a member of the appeals commission on the comprehensive testing for undergraduates, in the direction of evaluating the critical thinking of applicants.

On EP 6B01502 Chemistry-Biology thesis professor Bekenova Gulmira is a member of the Commission in the Olympiads, competitive project works of Daryn schoolchildren in Almaty region.

Analytical part

Based on the analysis of the submitted documentation, visual inspection and interviewing of stakeholders, the EEC indicates that the university conducts objective and quality personnel policy, creates the necessary conditions for the professional development of the teaching staff. The university shows a change in the role of the teacher in connection with the transition to student-centered learning.

According to the results of the survey of the teaching staff, 98.1% of the respondents gave a positive answer to the question "Does the university provide an opportunity for continuous development of the potential of the teaching staff? To the question "To what extent teachers can use their own innovations in the learning process?" positive answer was given by 100% of the respondents and to the question "How is the innovative activity of the teaching staff encouraged?" - 98.1% of the respondents.

At the same time, the EEC notes the need for systematic development of human resources in terms of increasing the tenure of the educational programs 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics, 6B01501 Mathematics.

During the interview, the EEC notes the need to develop a culture of using professional and specialized software on the profile of the accredited EPs in the course of their implementation.

Strengths/best practices

- The university offers an effective system to ensure the career growth of the teaching staff, including young teachers.

- For EP 5B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics the university demonstrates an effective mechanism for motivating the professional and personal development of the teaching staff through the three-level education system.

Recommendations of the EEC

- By the beginning of the 2022-2023 academic year to develop an action plan to increase the attendance of teaching staff implementing 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics, 6B01501 Mathematics by 15%.

- By the beginning of the academic year 2022-2023, develop a plan for methodological seminars devoted to the study of the possibilities of ICT and software tools in the educational process.

The EEC conclusions on the criteria for the standard "Teaching staff" educational programs 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics have 2 strong, 8 satisfactory positions; educational programs 6B01503 Physics-Informatics, 6B01502 Chemistry-Biology have 1 strong position, 9 satisfactory positions.

6.8. Standard «Education Resources and Student Support Systems» Proving Part

The University has a sufficient material and technical base to support the educational process and implement the mission, goals and objectives of the University. The learning environment, includes material and technical equipment corresponding to the plans for the implementation of educational programs.

To date, there are 58 classrooms in the Training Building of the campus in Kaskelen. Kaskelen has 58 classrooms for practical classes in various disciplines, 8 lecture halls for theoretical classes and lectures in various disciplines; the number of different laboratories, including the department - 3, computer labs - 5. The total area of the building is 39 651.6 m². Educational-laboratory base and classrooms correspond to the contingent of students and the implemented educational programs and sanitary-epidemiological norms and requirements.

The University has a 324-seat Student Dining Hall on the first floor, a 200-seat Staff Dining Hall on the second floor, and two VIP Halls for 40 seats to receive guests. The University also has 2 cafeterias, 1 café on the third floor, and a summer terrace with 186 seats in total. There are also cafeterias in the House of Students.

In 2012, a dormitory was opened on campus - the Student House, consisting of 2 blocks. In 2014, 2 more blocks were opened. To date, there are 4 blocks in operation. Blocks A and B are for girls, blocks C and D are for boys. Student House is designed for 1280 beds, each floor has 20 rooms, with no more than 4 people living in each room. On the second floor of Block A is the guest house of the University, the capacity is 35 people. The total area of the hostel -19560,6 m². Within the framework of the EP 6B01501 Mathematics; 7M01501 Mathematics; 8D01501 Mathematics; 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics there are special rooms with educational resources, such as Chemistry Laboratory, Biology Laboratory, Physics Laboratory. Each laboratory has a passport.

To apply ICT in the learning process, the University uses electronic textbooks, computer programs, a bank of audio and video materials. Lectures and practical classes are held with the use of audio and video equipment. A modern research library and reading room equipped with textbooks and methodological materials allow optimal organization of both classroom and independent work of students in all areas of education.

The EEC confirms that all auditoriums of the University are equipped with modern projectors, LCD TVs, and computers.

The official website of the University is located at the domain <https://sdu.edu.kz/>. Information about all events of the University is posted both on the official website and in social networks: Instagram (<https://www.instagram.com/sdukz/>), Facebook (<https://www.facebook.com/sdukz/>), YouTube (<https://www.youtube.com/channel/UCAfCFHbt7ooyttq75uC0FuA>), etc.

The complex of information subsystems includes the student portal <https://my.sdu.edu.kz>, educational portal <https://moodle.sdu.edu.kz/>, office on the online platform <https://onlinesdu.webex.com/>. The Personal Management System (PMS) portal was created to manage academic processes such as grading, registering students for courses (for faculty) and receiving reports (for administration). The PMS University Portal at <https://pms.sdu.edu.kz> has been in operation since January 2015. The portal consists of 4 parts: academic operations, information, services, and profile. Through the portal, it is possible to identify who is visiting the portal or campus and when, providing security in grading, electronic attendance records, and course availability. The portal includes Students Information, Curricula, Course Schedule, System Calendar, Rules and Regulations, Forms and Reports.

The <https://my.sdu.edu.kz> portal operates for students, which contains information about courses offered, transcripts, online applications, account status, schedules, and notifications, as well as functions such as:

1. Registration and course selection.
 2. Attendance.
 3. transcript. This function shows the selected courses, SGPA, CGPA and their respective grades.
- The entire actual learning process takes place on the LMS Moodle platform. Students and instructors have access to a personal page of the Moodle educational resource. This is an

open-source software package designed to help the University create effective online courses. This is where instructors and students interact throughout the academic process. LMS Moodle makes it possible to post and share needed resources in a timely manner, as well as assignments, quizzes, and various types of interactives. Various operations related to assignments, resource sharing, knowledge assessment, etc. are performed on this platform. All online classes are based on the Webex platform - <https://onlinesdu.webex.com/>. Each instructor has a personal account on this platform, linked to the corporate e-mail account of SRU. The instructor builds a list of online classes with links to them, which are sent to the students.

The Document Management System (DMS) <https://dms.sdu.edu.kz> was launched at the University on June 1, 2017. To date, about 60 processes have been automated through this system.

Helpdesk, <https://hdu.edu.kz>, is a single point of contact within the University to service internal technical requests from users.

The University's Alumni Relations Department has developed a special SDU Connect mobile app (available on PlayMarket and Appstore) for 4th year alumni and students, which has a database of all alumni with all data, including their current place of employment. This app has a "Jobs" tab where alumni and companies who have registered on the app can post job openings. Also launched in September 2020 was SDU's GPS campus navigator app for new students, "SDU Navigation," which allows users to find their location on campus. Through a search option, a student can find the desired object on a map (classroom, dean's office, library, centers, departments, etc.) or view a list of all objects on campus. There is also a mobile version of the MYSDU student portal. A student can easily and quickly track his or her own academic activities using a cell phone. The mobile version is informative content with a user-friendly interface that presents, for example, a student's profile, schedule, program structure, electronic attendance, course registration information, entry records, etc.

There is Wi-Fi coverage throughout the campus, which provides 24/7 access to all databases. Users at the University are automatically authorized to use Wi-Fi when their account is opened.

The Library is a structural subdivision of the University. The Library provides: student access to electronic scientific and educational resources; formation of the library fund is in accordance with the requests of the departments, which reflects the profile of academic disciplines and filling the book supply card of the educational process. The library's electronic resources are available through the internal network throughout the campus. Search and selection of necessary literature is carried out with the help of electronic search engine - <https://library.sdu.edu.kz/>. The teaching and laboratory facilities and classroom fund correspond to the number of students, implemented educational programs, sanitary and epidemiological norms and requirements, as well as SOSE RK. The total area of the library is 785 sq.m., the additional area used for providing library services is 435.4 sq.m., the number of seats in the library is 162, in the additional centers of electronic resources - 100. The area of the subscription - 372.3 sq.m., the area of the book storage - 75 sq.m., the area of the reading room - 305.8 sq.m.

To provide access to the world's information, prompt and efficient search, the library's online portal integrates the search services of the world's scientific and technical information providers (<https://sdu-kz.libguides.com/az.php>), such as:

1. Web of Science <http://apps.webofknowledge.com>
2. ScienceDirect <https://www.sciencedirect.com>
3. Scopus <https://www.scopus.com>
4. Springer Link <https://link.springer.com/>
5. Oxford University Press Open Access Titles
6. JSTOR Open Access Books and Journals
7. EBSCO HOST Academic Collection
8. DOAJ (Directory of Open Access Journals)
9. Cambridge OA eBooks
10. arXiv.org

It should be noted that the above list includes only a part of the available scientific and technical databases.

The library fund is universal and consists of 404173 copies, of which: in the state language -113481kz. (27.5%), in Russian -31858 copies (4.5%), in English - 256180 copies (67.2%), in other languages - 2,654 copies (0.7%). (0,70%).

Fund of SDU Scientific Library includes categories:

1) Fund of educational literature - 317074 copies, which is 70% of the total fund, in the state language - 88897 copies, in Russian - 17612 copies, in English. - 208631 copies; in other languages: 1934 copies;

2) The fund of educational-methodical literature - 18417 copies, which makes 11 per cent of the total fund, in the state language - 5144 copies, in Russian - 8637 copies, in English - 4336 copies. - 4336 copies in Russian, 300 copies in other languages.

3) Scientific fund (monographs, theses, abstracts, literary works, studied according to the program, encyclopedias, dictionaries, directories, theme periodicals, collections of scientific works, materials of scientific, practical, international conferences, appropriate to profile of preparation of specialties) - 54711 copies, that makes 19% of general fund, in state language - 14118 copies, in Russian - 2215 copies, in English - 38053, etc., in other languages. - 38053 copies, in other languages - 325 copies.

4) Educational literature on digital carriers - 3627322 units. 31084 - in the state language, in Russian - 58173, in other languages - 353865. The supply of the subjects of the curriculum of the specialties on the digital carriers is 11724, completed with full-text electronic editions of DB RMEB (86842 titles, from them in state language - 28595 titles, in Russian - 51890 titles, in English - 3255 titles, in other languages - 3102) and other bases of electronic books in number of 3 528 906 units.

The fund of educational and scientific literature on the accredited EP is given in tables 19-21.

Table 17 - Fund of educational and scientific literature on the EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics

Academic Year	Academic literature		Scientific literature		Total		Including on electronic media	
	KAZ	ENG	KAZ	ENG	KAZ	ENG	KAZ	ENG
2019/20	6561	8645	712	350	7273	8995	18	16
2020/21	6787	9167	1100	382	7887	9549	21	EBSCO eBooks™ Open Access Monograph Collection, Elsevier, Scopus
2021/22	6940	9462	1366	445	8306	9907	23	EBSCO eBooks™ Open Access Monograph Collection, Elsevier, Scopus

Table 18 - Fund of educational and scientific literature on EP 6B01502 Chemistry-Biology

Academic Year	Academic literature		Scientific literature		Total		Including on electronic media	
	KAZ	ENG	KAZ	ENG	KAZ	ENG	KAZ	ENG
2019/20	1136	1040	487	488	1623	1488	11	37

2020/21	1247	1552	875	520	2122	2072	15	71, EBSCO eBooks™ Open Access Monograph Collection, Elsevier, Scopus
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Table 19 - Fund of educational and scientific literature on EP 6B01503 Physics-Informatics

Academic Year	Academic literature		Scientific literature		Total		Including on electronic media	
	KAZ	ENG	KAZ	ENG	KAZ	ENG	KAZ	ENG
2019/20	340	864	146	370	486	1234	22	31
2020/21	451	1386	534	402	985	1788	22	EBSCO eBooks™ Open Access Monograph Collection, Elsevier, Scopus
2021/22	739	1681	800	465	1539	2146	25	EBSCO eBooks™ Open Access Monograph Collection, Elsevier, Scopus

SDU Scientific Library has an agreement on mutual use of the book collection by ILL with the following libraries and databases:

- Central Scientific Library of the Academy of Sciences;
- Republican Scientific and Technical Library;
- Nazarbayev University Library
- Republican Interuniversity Digital Library (www.rmeb.kz)
- Virtual Scientific Library (www.kazakhstanvsl.org), where electronic catalogs and full-text databases of textbooks, teaching aids and articles are presented.
- Under the contract with NCSTI JSC the access to the databases of SpringerLink, Elsevier, Thomson Reuters.

Plagiarism checking of the results of research works, graduate works and dissertations of students is carried out through the anti-plagiarism system Turnitin (www.turnitin.com).

The SDU publishes a quarterly scientific journal "Vestnik SDU", which publishes the results of scientific research of the teaching staff and students. The electronic version of the journal is posted in the repository and in the section "Science and Innovation / SDU Bulletin" ([link](#)). ([link](#)) on the website of the university.

Currently, the university is working to develop a strategy for inclusive education in accordance with the principles of the Salamanca Declaration (1994), the Law of the Republic of Kazakhstan № 39-III ЗРК "On social protection of disabled people in the Republic of Kazakhstan".

For the students with disabilities there are opportunities to organize training sessions in accordance with the psychophysical development and health status of persons together with other students in general groups, as well as individually. When organizing training sessions in general groups, the teaching staff can use socially active and reflective teaching methods, technologies of socio-cultural rehabilitation in order to create a comfortable psychological climate in the group. All university buildings have ramps, also tactile tiles for students with disabilities are installed. It is planned to install two elevators in the buildings of the SDU at the expense of the sponsorship. There are no students with disabilities in the accredited EP.

Inspection of the material and technical base of the university showed that the premises which the program is implemented in correspond to the current sanitary standards, fire safety

requirements. In order to ensure the safety of students and employees all academic buildings of the university are equipped with fire alarm systems and fire extinguishing equipment.

Analytical part

As a result of the visual inspection by the EEC members of the facilities, it is noted that the university has all the necessary educational and material assets to ensure the educational process of the educational programs under accreditation. The university building meets current sanitary norms and fire safety requirements. Classroom and laboratory facilities, classrooms and other rooms, sports facilities comply with established safety regulations.

However, the survey of teaching staff reveals the problem of weak WiFi signal, it is noted that there are periodic problems with Internet connection.

The EEC notes the need to expand the laboratory base on EP 6B01502 - Chemistry - Biology, 6B01503 - Physics - Informatics. Expansion of the laboratory base will neutralize the risks of laboratory shortages in the case of enrollment growth. The possibility of growth of the contingent is quite high due to the good reputation of the university, as well as the positive demographic dynamics in the Republic. In addition, it is necessary to develop conditions for the implementation of scientific research. The existence of a functioning research and innovation ecosystem will allow the University to contribute to the technical and economic development of the region.

It is necessary to develop an infrastructure favorable to people with disabilities. The University has some elements of inclusiveness, at the same time there are plans to develop in this direction. The development of an inclusive approach to the provision of educational services should be continued.

According to results of questionnaire study students are fully satisfied with existing educational resources of university - 70.4%; classrooms, classrooms for large groups - 75.7%; accessibility of computer classes and Internet resources are fully satisfied - 63.6%, provision of students with dormitory - 60.3%.

Strengths/best practices

not detected.

Recommendations of the EEC.

- By the beginning of the 2022 academic year within the realization of the Development Plan for the EP 6B01502-Chemistry-Biology, 6B01503-Physics-Informatics to increase the number of research laboratories by at least 1 unit for EP 6B01502-Chemistry-Biology and 1 unit for EP 6B01503-Physics-Informatics.

- By the beginning of the academic year 2022-2023, develop a plan for the phased implementation of an inclusive educational environment.

The EEC conclusions on the criteria for the standard "Educational resources and student support systems" educational programs 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, 6B01503 Physics-Informatics, 6B01502 Chemistry-Biology have 12 satisfactory positions, 1 position that suggests improvement.

6.9. Standard «Public Information»

Proving Part.

Informing the public at the SDU is carried out in accordance with the Regulation on Information Policy. The official website is available in English, Kazakh and Russian.

Information on the site is aimed at a wide audience: students, staff, teachers, applicants and their parents, employers, partners of the university, scientific and public organizations. The description of the mission and vision of the university is displayed on the main page of the official website. The "About the University" section shows the Development Strategy, the composition of the Rectorate, the Academic and Administrative Council, and information about the staff. The "Applicants" section contains all necessary information regarding the admission process. The section "Faculties" contains information about each department, contact information for Department Chairs and Coordinators as well as a detailed description of each

educational program of Bachelor's, Master's and Doctoral Programs. Questions concerning current students are displayed in the "To Students" section. And information on existing Departments is listed under the "Departments" tab.

The university management uses a variety of ways to disseminate information - the official website of the university (<https://sdu.edu.kz/>), media, information networks, web resources (official pages on Instagram, Facebook, YouTube channel), etc. In SDU a quarterly scientific journal "Journal of SDU Bulletin" is published, which publishes the results of scientific research of faculty and students. The electronic version of the journal is posted in the repository and in the section "Science and Innovation / SDU Bulletin" (link) on the website of the University. (link) on the website of the university.

The Faculty section contains the accredited educational programs(<https://sdu.edu.kz/ru/%d1%84%d0%b0%d0%ba%d1%83%d0%bb%d1%8c%d1%82%d0%b5%d1%82-%d0%bf%d0%b5%d0%b4%d0%b0%d0%b3%d0%be%d0%b3%d0%b8%d0%ba%d0%b8-%d0%b8-%d0%b3%d1%83%d0%bc%d0%b0%d0%bd%d0%b8%d1%82%d0%b0%d1%80%d0%bd%d1%8b%d1%85/>) . The description of the EP includes a description of the planned results of the EP, the awarded qualification, the list of academic disciplines, the duration of the program, the volume in ECTS credits, QED, RUP, syllabuses.

When informing the public, the press service of the SDU provides support and clarification of the national and state development programs of the country and the system of higher and postgraduate education. The press service of Suleyman Demirel University for the period from 2017 to 2021 produced a total of more than 2100 informational publications in the media of the national, regional and international level. Of these, under the programs: "Development of Education and Science", "Rukhani Zhangyru", "Digital Kazakhstan", within the "Year of Youth" and other projects about 1000 materials were published.

As part of the "Digital Kazakhstan" program coverage of student Hackathons "Zhaksart", Cisco, the annual contest of computer projects Infomatrix - Asia - more than 200 materials were published. As part of the state program of education and science development materials on the partnership between the SDU and the administration of the International Exhibition "EXPO-Dubai-2020" were published. The parties reached an agreement according to which SDU has become the first international partner-university for the organization of educational tours in "EXPO-2020 Dubai"; cooperation with the Bureau of Continuing Education IFCA, about the unique researches of a young scientist of SDU - Sergey Egorov in the field of modern medicine and biology, where more than 100 materials are covered.

Partial list of publications containing information about partnerships, collaborations and various types of cooperation, including in the media, was studied at the following links:

- Partnership with Akimat of Almaty region:
<https://egemen.kz/article/183445-sdu-memleketik-sektormen-strategiyalyq-seriktestikti-nyghayt-uda>
- Partnership with TC Almaty:
<https://almaty.tv/kz/news/arkhiv/telekanal-almaty-podpisa-memorandum-o-sotrudnichestve-s-universitetom-imsuleymana-demirelya>
- Partnership with EXPO-Dubai 2020:
<https://egemen.kz/article/219843-sdu-dubay-ekspo-2020-khalyqaralyq-student-almasu-baghdarla-masynynh-eksklyuzivti->
- Partnership with MFCA Bureau:
<https://egemen.kz/article/186610-sdu-astana-khalyqaralyq-qardgy-ortalyghy-byurosymen-serikte-stik-memorandumyna-qo>
- Partnership with Industrial Zone:
<https://egemen.kz/article/184212-sdu-almaty-industrialdy-aymaghymen-dualdy-oqytudy-engizip-dgaty>
- Partnership with Educon:

<https://egemen.kz/article/180015-almatyda-altyn-belgi-umitkerleri-oqu-dgattyghu-lagerinde-bilimderin-shynhdady>

- Partnership with MIT:
<https://egemen.kz/article/180631-sdu-da-it-tekhnologiyalary-salasynda-bilim-beru-dgobasy-bastaldy>

- Partnership with Robotics Robotics School:
<https://egemen.kz/article/177108-sdu-bazasynda-alghashqy-robotekhnika-mektebi-ashyldy>

- A publication about the partnership and scientific discoveries of students and staff of the SRU is posted on the official website of the Republican newspaper "Egemen Kazakhstan" at: <https://egemen.kz/search?q=%D0%A1%D0%94%D0%A3&page=1> .

At the same time on the official website of the University there is an active separate link to the section "Media about us": <https://sdu.edu.kz/2020/10/20/media-about-us/>, where you can read the publications in the media of the national and regional scale for the period from 2017-2021. All published information is archived and stored on the official website.

SDU maintains scientific, creative and corporate relations with many Kazakhstani and international organizations. Thus, in the 2017-2018 academic year 12 cooperation agreements were signed with such universities from far and near abroad as Sweden, Korea, Lithuania, Germany, Malaysia, Poland, Serbia, Russia, Uzbekistan, USA, which gave the opportunity to study for 52 students under the exchange program. In the 2018-2019 academic year, the number of Partner Universities was 12, and 77 students were able to continue their studies abroad. In 2019-2020, 4 international students spent 1 semester at Suleyman Demirel University through an exchange program. In the 2019-2020 academic year, the Office of International Relations reached cooperation agreements with 13 Universities. In the same year, 63 students studied in the academic mobility program.

The Corporate Development Department, based on the mission and vision of Suleyman Demirel University, is responsible for protecting, promoting and strengthening the image of the university and its activities both inside and outside the university. The Department acts as the guardian of the corporate messages of Suleiman Demirel University and ensures consistency in all communications and commitment to the corporate strategy. The Corporate Development Department is designed to conduct corporate relations and guarantee the application of best practices to meet the goals of Suleyman Demirel University, including increasing the university's resource base.

As part of the activities of the Department, 6 memorandums of cooperation were signed with representatives of the business community during the period 2017-2020. Among the business partners of the University named after Suleyman Demirel are such companies as "Kazpost" JSC, "Qaz techVenture" JSC, Department of Digitalization of Almaty, International Center "Astana Hub", Scientific and Educational Foundation named after Academician Shakhmardan Yesenov.

Five partnership projects were implemented with the organizations "Alatau Art" LLP (holding a summer camp for children), Chocofamily (training the company's personnel in the direction of Data Science), Johnson & Johnson (development of a web application with an integrated database), Store 12 months, BI Innovations (sponsorship in hackathon and providing cases for participants) in the period 2017 - 2020.

Another area of activity of Suleyman Demirel University is social partnership. Achievements in this area include the opening of the fundraising office of Suleyman Demirel University, whose mission is to coordinate the fundraising activities of Suleyman Demirel University, to develop the overall policy and strategy of the university, link to the website: <https://sdu.edu.kz/donate/>. During its existence, the fundraising office has attracted donations of 5 million tenge from alumni and partner organizations.

The university participates in external evaluation procedures, including national and international ratings. Information on the performance of the university in the ratings is shown in Table 20.

Table 20 - Positions of the SRU in national and international rankings

Name of rating/ Agency	Year	Place	Link
General rating of higher educational institutions of Kazakhstan "TOP-20+"/ IAAR	2018	13	ССЫЛКА
	2019	10	ССЫЛКА
	2020	14	ССЫЛКА
National rating of the best multi-profile universities of Kazakhstan / Independent Agency for Quality Assurance in Education (IAQA)	2016	14 (44,16%)	ССЫЛКА
	2017	11 (42,65%)	ССЫЛКА
	2018	12 (42,60%)	ССЫЛКА
	2019	10 (37,39%)	ССЫЛКА
	2020	7 (59,17%)	ССЫЛКА
Rating of National Chamber of Entrepreneurs "Atameken	2019	4	ССЫЛКА
	2020	6	ССЫЛКА
	2021	<i>result in processing</i>	
QS Emerging Europe & Central Asia University Ranking	2021	351-400	ССЫЛКА
Round University Ranking	2020	731	ССЫЛКА
	2021	696	ССЫЛКА
THE Impact Ranking: Quality Education	2021	301-400	ССЫЛКА
Webometrics Ranking of World Universities	2021	5950	ССЫЛКА

In the ranking of educational programs of universities conducted jointly with the MES of the RK National Chamber of Entrepreneurs "Atameken" <https://atameken.kz/kk/services/44-rejting-obrazovatel-nyh-programm-vuzov> EP 6B01501 Mathematics in 2020 took 6th place, 7th place in 2019 and 19th place in 2018.

Analytical Part.

Analysis of the information presented on the university website showed that the results of the university are sufficiently reflected on the university website and social networks.

EEC notes insufficient coverage of the results of academic mobility on the university website and in general, the low activity of academic mobility on accredited EPs, which is probably due to the COVID-19 pandemic. However, this problem should have a systematic solution.

The EEC notes the difficulty of accessing the information on teaching staff, implementing EPs, in terms of personalities. The EEC verified that the information is posted on the internal resources of the university. However, to better inform the public about the implementation of the EP, it is recommended to place the information about the teaching staff in the section of the Faculty or Department, freely accessible to all interested persons.

The EEC did not find confirmation of the publication of audited financial statements on the website of the university for the accredited EP.

The EEC notes that a survey of students conducted during the EEC visit to the IAAR showed that the usefulness of the educational organization website in general and the faculty in particular is fully satisfied with 68.3% of the respondents. This result is relatively low and indicates the need for further work to increase the functionality of the website. The same conclusion stems from interviews with SDU staff, who confirmed that the site is relatively new and needs to be refined.

Strengths/Best Practices

For EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, the information available to the public is objective, relevant, and includes expanded information about the purpose, intended outcomes of the EP and the qualifications to be awarded, taking into account the three-level training of specialists.

Recommendations of the EEC

- By the beginning of academic year 2022-2023 to develop an action plan for the development of academic mobility processes. To ensure a positive annual dynamic of incoming and outgoing academic mobility of students, including through partnerships with domestic universities of pedagogical direction.
- By February 1, 2022 to ensure the publication on the website of information about the teaching staff in the context of EP or department implementing the EP.
- by April 1, 2022 to ensure the publication on the website of audited financial statements for the accredited EP.

The conclusions of the EEC on the criteria for the standard "Public Information" educational programs 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics have 1 strong position, satisfactory - 9, requiring improvement - 2; educational programs 6B01503 Physics-Informatics, 6B01502 Chemistry-Biology have 10 satisfactory positions, requiring improvement - 2.

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

Standard «Management of Educational Program»

- mechanisms for the formation and regular review of the EP development plan and monitoring its implementation, assessment of the achievement of learning objectives, compliance with the needs of students, employers and society, decision-making aimed at the continuous improvement of EP;
- Clear definition of those responsible for business processes within EP, distribution of staff responsibilities, delineation of collegial bodies' functions;
- openness and accessibility of EP management for students, teaching staff, employers and other stakeholders.

Standard «Information Management and Reporting»

- Involvement of students, staff, and faculty in information collection, analysis, and decision-making processes based on it;
- providing necessary information in relevant fields of science.

Standard «Development and Approval of the Education Program»

- the influence of the disciplines and professional practices on the formation of the learning outcomes;
- the presence of the EP graduate model describing the learning outcomes and personal qualities;
on EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics
- uniqueness of the educational program, its positioning at the educational market (regional/national/international).

Standard «On-Going Monitoring and Periodic Review of Educational Program»

Strengths by the criteria of this standard are not identified

Standard «Student-Centered Learning, Teaching and Performance Evaluation»

Strengths by the criteria of this standard are not identified

Standard «Students»

- The EP management conducts a wide range of specialized adaptation and support programs for newly arrived local and international students (orientation week). Adaptation programs take into account the specificity of the contingent and select appropriate activities that contribute to the comfortable adaptation of all groups of students.
- The university encourages students to self-education and development outside the basic program through a wide range of clubs, sections, clubs, involvement of students in the social life of the university and sports events.
- The university provides students with internships, the profile orientation of which allows graduates to master all the key skills of their future profession, implement systematic work on employment and monitoring the career development of its graduates

Standard «Teaching Staff»

- The university offers an effective system to ensure the career growth of the teaching staff, including young teachers.
- For EP 5B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics the university demonstrates an effective mechanism for motivating the professional and personal development of the teaching staff through the three-level education system.

Standard «Education Resources and Student Support Systems»

Strengths by the criteria of this standard are not identified

Standard «Public Information»

For EP 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics, the information available to the public is objective, relevant, and includes expanded information about the purpose, intended outcomes of the EP and the qualifications to be awarded, taking into account the three-level training of specialists.

(VIII) REVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS

Standard «Management of Educational Program»

- By the beginning of the 2022-2023 academic year to develop and begin implementing a plan for innovation management and implementation of innovative proposals in EP;
- to the management of EP until the beginning of the 2023-2024 academic year to open a dissertation council on EP 8D01501 Mathematics;
- considering the academic potential of EP 6B015002 Chemistry-Biology, including the implementation of training in English, the leadership of EP till the beginning of the academic year 2022-2023 recommend to analyze the possibility of opening a master's degree program in English.

Standard «Information Management and Reporting»

No recommendations

Standard «Development and Approval of the Education Program»

- by the beginning of the academic year 2022-2023, the management of EP 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics must justify the uniqueness of the accredited EP in the MOP and/or in the EP passport;
- by the beginning of the academic year 2022-2023 develop an action plan for the organization of students' preparation for professional certification in the context of EPs;
- by March 1, 2022 to develop an action plan for the creation of joint and/or double-diploma programs on the evaluated EPs with foreign and domestic universities.

Standard «On-Going Monitoring and Periodic Review of Educational Program»

- By the beginning of the academic year 2022-2023 the management of the accredited EPs should ensure the publication on the official website of the university of the current MOPs and/or passports of EPs.

Standard «Student-Centered Learning, Teaching and Performance Evaluation»

- By September 1, 2022 to approve the plan for the scientific activities of the department, including the publication of scientific articles, monographs, textbooks, as well as grant and initiative projects in the field of teaching methodology EP disciplines. The Plan takes into account the index of at least 1 publication per 1 full-time faculty member. During 2022 to prepare at least 1 application for grant funding of scientific research.
- By the beginning of 2022-2023 academic year to review the content of syllabuses in order to detail the procedures for assessing the results of learning, it is necessary to disclose the methodology and assessment criteria.

Standard «Students»

No recommendations

Standard «Teaching Staff»

- By the beginning of the 2022-2023 academic year to develop an action plan to increase the attendance of teaching staff implementing 6B01502 Chemistry-Biology, 6B01503 Physics-Informatics, 6B01501 Mathematics by 15%.
- By the beginning of the academic year 2022-2023, develop a plan for methodological seminars devoted to the study of the possibilities of ICT and software tools in the educational process.

Standard «Education Resources and Student Support Systems»

- By the beginning of the 2022 academic year within the realization of the Development Plan for the EP 6B01502-Chemistry-Biology, 6B01503-Physics-Informatics to increase the number of

research laboratories by at least 1 unit for EP 6B01502-Chemistry-Biology and 1 unit for EP 6B01503-Physics-Informatics.

- By the beginning of the academic year 2022-2023, develop a plan for the phased implementation of an inclusive educational environment.

Standard «Public Information»

- By the beginning of academic year 2022-2023 to develop an action plan for the development of academic mobility processes. To ensure a positive annual dynamic of incoming and outgoing academic mobility of students, including through partnerships with domestic universities of pedagogical direction.

- By February 1, 2022 to ensure the publication on the website of information about the teaching staff in the context of EP or department implementing the EP.

- by April 1, 2022 to ensure the publication on the website of audited financial statements for the accredited EP.

(IX) REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF THE EDUCATIONAL ORGANIZATION

Not identified.

Appendix 1: Evaluation table "SPECIALIZED PROFILE PARAMETERS"

**Conclusion of the external expert commission on quality assessment
educational program 6B01503 Physics-Informatics, 6B01502 Chemistry-Biology
Institutions "Suleyman Demirel University"**

item No.	No.	Evaluation criteria	Position of the educational organization			
			Satisfied	To be improved	Unsatisfactory	
Standard «Management of Educational Programme»						
1	1.	The university must demonstrate the development of the goal and development strategy of the EP based on the analysis of external and internal factors with the wide involvement of various stakeholders		+		
2	2.	The quality assurance policy should reflect the relationship between research, teaching and learning		+		
3	3.	The university demonstrates the development of a culture of quality assurance		+		
4	4.	Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint / double degree education and academic mobility		+		
5	5.	The management of the EP ensures the transparency of the development plan for the development of the EP based on an analysis of its functioning, the real positioning of the university and the focus of its activities on meeting the needs of students, the state, employers and other stakeholders		+		
6	6.	The EP management demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP	+			
7	7.	The management of the EP should involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of the EP development plan		+		
8	8.	The EP management must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national development priorities and the development strategy of the educational organization		+		

9	9.	The university must demonstrate a clear definition of those responsible for business processes within the EP, the distribution of staff duties, and the delimitation of the functions of collegial bodies	+			
10	10.	The management of the EP ensures the coordination of the activities of all persons involved in the development and management of the EP, and its continuous implementation, and also involves all interested parties in this process		+		
11	11.	The management of the EP must ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions		+		
12	12.	The management of the EP must carry out risk management		+		
13	13.	The management of the EP should ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegiate management bodies of the educational programme, as well as their representativeness in making decisions on the management of the educational programme		+		
14	14.	The university must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals		+		
15	15.	The management of the EP must demonstrate its openness and accessibility for students, teaching staff, employers and other interested parties	+			
16	16.	The management of the EP confirms the completion of training in education management programmes.		+		
17	17.	The management of the EP should strive to ensure that the progress made since the last external quality assurance procedure is taken into account in preparation for the next procedure		+		
Total on standard			3	14	0	0
Standard «Information Management and Reporting»						
18	1.	The university must ensure the functioning of the system for collecting, analyzing and managing information based on modern information and communication technologies and software		+		
19	2.	The EP Guide demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system		+		
20	3.	The management of the EP demonstrates the existence of a reporting system that reflects the activities of all structural units and departments within the EP, including an assessment of their performance		+		
21	4.	The university must determine the frequency, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural divisions, top management		+		

22	5.	The university must demonstrate a mechanism for ensuring the protection of information, including determining the persons responsible for the reliability and timeliness of information analysis and data provision		+		
23	6.	The university demonstrates the involvement of students, employees and teaching staff in the processes of collecting and analysing information, as well as making decisions based on them	+			
24	7.	The management of the EP must demonstrate the existence of mechanisms for communication with students, employees and other interested parties, including conflict resolution		+		
25	8.	The university must ensure the measurement of the degree of satisfaction with the needs of students, teaching staff and staff within the framework of the EP and demonstrate evidence of the elimination of identified shortcomings		+		
26	9.	The university must evaluate the effectiveness and efficiency of activities in the context of the EP		+		
		<i>The information collected and analyzed by the university within the framework of the EP should take into account:</i>				
27	10.	key performance indicators		+		
28	11.	dynamics of the contingent of students in the context of forms and types;-		+		
29	12.	level of progress, students' achievements and expulsion		+		
30	13.	satisfaction of students with the implementation of the EP and the quality of education at the university		+		
31	14.	availability of educational resources and support systems for students		+		
32	15.	employment and career growth of graduates		+		
33	16.	Students, teaching staff and staff must document their consent to the processing of personal data		+		
34	17.	The management of the EP should contribute to the provision of the necessary information in the relevant fields of science	+			
Total on standard			2	15	0	0
Standard «Development and Approval of the Education Programme»						
35	1.	The HEI must demonstrate the existence of a documented procedure for the development of the EP and its approval at the institutional level		+		
36	2.	The HEI must demonstrate the compliance of the developed EP with the established goals and planned learning outcomes		+		
37	3.	The management of the EP should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
38	4.	The HEI demonstrates the existence of a EP graduate model that describes learning outcomes and personal qualities	+			
39	5.	The qualification awarded upon completion of the EP must be clearly defined, explained and correspond to a certain level of the NSC, QF-EHEA		+		

40	6.	The management of the EP must demonstrate the modular structure of the program based on ECTS, ensure that the structure of the content of the EP corresponds to the goals set, with a focus on achieving the planned learning outcomes for each graduate		+		
41	7.	The management of the EP must ensure that the content of academic disciplines and learning outcomes correspond to each other and the level of education (bachelor's, master's, doctoral studies)		+		
42	8.	The management of the EP must demonstrate the conduct of external reviews of the EP		+		
43	9.	The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development and quality assurance of the EP		+		
44	10.	The EP management must demonstrate the uniqueness of the educational programme, its positioning in the educational market (regional/national/international)	+			
45	11.	An important factor is the possibility of preparing students for professional certification			+	
46	12.	An important factor is the presence of a joint (s) and/or two-degree EP with foreign HEI		+		
Total on standard			2	9	1	0
Standard «On-Going Monitoring and Periodic Review of Educational Programme»						
47	1.	The HEI must ensure the revision of the structure and content of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of society		+		
48	2.	The HEI must demonstrate the existence of a documented procedure for monitoring and periodic evaluation in order to achieve the goal of the EP and continuously improve the EP		+		
		<i>Monitoring and periodic evaluation of the SP should consider:</i>				
49	3.	the content of the program in the context of the latest achievements of science and technology in a particular discipline		+		
50	4.	changes in the needs of society and the professional environment		+		
51	5.	load, progress and graduation of students		+		
52	6.	effectiveness of student assessment procedures		+		
53	7.	needs and degree of satisfaction of students		+		
54	8.	compliance of the educational environment and the activities of support services with the goals of the EP		+		
55	9.	The management of the EP should publish information about changes to the EP, inform interested parties about any planned or undertaken actions within the EP			+	
56	10.	Support services should identify the needs of various groups of students and the degree of their satisfaction with the		+		

		organization of training, teaching, assessment, mastering the EP as a whole				
Total on standard			0	9	1	0
Standard «Student-Centered Learning, Teaching and Performance Evaluation»						
57	1.	The management of the EP should ensure respect and attention to various groups of students and their needs, providing them with flexible learning paths		+		
58	2.	The management of the EP should ensure teaching based on modern achievements of world science and practice in the field of training, the use of various modern methods of teaching and evaluating learning outcomes that ensure the achievement of the goals of the EP, including competencies, skills to perform scientific work at the required level		+		
59	3.	The management of the EP should determine the mechanisms for distributing the teaching load of students between theory and practice within the framework of the EP, ensuring the mastery of the content and achievement of the objectives of the EP by each graduate of a procedure for responding to complaints from students.		+		
60	4.	An important factor is the availability of own research in the field of teaching methods for the disciplines of the EP			+	
61	5.	The HEI must ensure that the procedures for evaluating learning outcomes are in line with the planned results and goals of the EP		+		
62	6.	The HEI must ensure the consistency, transparency and objectivity of the mechanism for assessing the learning outcomes of the EP, the publication of criteria and assessment methods in advance		+		
63	7.	Assessors should be proficient in modern methods for assessing learning outcomes and regularly improve their skills in this area		+		
64	8.	The EP management must demonstrate the existence of a feedback system on the use of various teaching methods and the assessment of learning outcomes		+		
65	9.	The management of the EP must demonstrate support for the autonomy of learners while providing guidance and assistance from the teacher		+		
66	10.	The management of the EP must demonstrate the existence		+		
Total on standard			0	9	1	0
Standard «Students»						
67	1.	The HEI must demonstrate the policy of forming a contingent of students and ensure transparency, publicity of the procedures governing the life cycle of students (from admission to completion)		+		
68	2.	The management of the EP should provide for special adaptation and support programs for newly enrolled and foreign students	+			
69	3.	The HEI must demonstrate the compliance of its actions with the Lisbon Recognition Convention, including the		+		

		existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education				
70	4.	The HEI must provide an opportunity for external and internal academic mobility of students, as well as assist them in obtaining external grants for study		+		
71	5.	The university should encourage students to self-education and development outside the main program (extracurricular activities)	+			
72	6.	An important factor is the existence of a mechanism to support gifted students		+		
73	7.	The HEI must demonstrate cooperation with other educational organizations and national centers of the «European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers» ENIC / NARIC in order to ensure comparable recognition of qualifications		+		
74	8.	The HEI must provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, maintaining contact with them	+			
75	9.	The HEI must demonstrate the procedure for issuing documents to graduates confirming the qualifications received, including the achieved learning outcomes		+		
76	10.	The EP management must demonstrate that program graduates have skills that are in demand in the labor market and that these skills are really relevant		+		
77	11.	The management of the EP must demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates		+		
78	12.	An important factor is the presence of an active alumni association/union		+		
Total on standard			3	9	0	0
Standard «Teaching Staff»						
79	1.	The HEI must have an objective and transparent personnel policy in the context of the EP, including recruitment (including invited teaching staff), professional growth and development of staff, ensuring the professional competence of the entire staff		+		
80	2.	The HEI must demonstrate the compliance of the qualitative composition of the teaching staff with the established qualification requirements, the strategy of the university, and the goals of the EP		+		
81	3.	The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning and teaching		+		
82	4.	The HEI should provide opportunities for career growth and professional development of teaching staff, including young teachers	+			
83	5.	The HEI must involve in the teaching of specialists from relevant industries with professional competencies that meet the requirements of the EP		+		

84	6.	The HEI must demonstrate the existence of a motivation mechanism for the professional and personal development of teaching staff		+		
85	7.	The HEI must demonstrate the widespread use of information and communication technologies and software in the educational process by the teaching staff (for example, on-line training, e-portfolio, MEPs, etc.)		+		
86	8.	The HEI must demonstrate the focus on the development of academic mobility, attracting the best foreign and domestic teachers		+		
87	9.	The HEI must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity at the university, determine the contribution of the teaching staff, including those invited, to achieving the goals of the EP		+		
88	10.	An important factor is the involvement of teaching staff in the development of the economy, education, science and culture of the region and the country		+		
Total on standard			1	9	0	0
Standard «Education Resources and Student Support Systems»						
89	1.	The HEI must guarantee the compliance of the infrastructure, educational resources, including material and technical, with the goals of the educational programme		+		
90	2.	The management of the EP must demonstrate the sufficiency of classrooms, laboratories and other facilities equipped with modern equipment to ensure the achievement of the objectives of the EP		+		
		<i>The HEI must demonstrate the compliance of information resources with the needs of the university and the ongoing EP, including in the following areas:</i>				
91	3.	technological support for students and teaching staff in accordance with educational programs (for example, online learning, modeling, databases, data analysis programs)		+		
92	4.	library resources, including a fund of educational, methodical and scientific literature on general education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases		+		
93	5.	examination of the results of research, final works, dissertations for plagiarism		+		
94	6.	access to educational Internet resources		+		
95	7.	functioning of WI-FI on its territory		+		
96	8.	The HEI must demonstrate that it creates conditions for conducting scientific research, integrating science and education, publishing the results of research work of teaching staff, staff and students		+		
97	9.	The HEI should strive to ensure that the educational equipment and software used for the development of educational programs are similar to those used in the relevant sectors of the economy		+		

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

	Total on standard	0	10	2	0
	TOTAL	11	96	6	0

**Conclusion of the external expert commission on quality assessment
educational program 6B01501 Mathematics, 7M01501 Mathematics, 8D01501 Mathematics
Institutions "Suleyman Demirel University"**

item No.	No.	Evaluation criteria	Position of the educational organization			
			Strong	Satisfactory	To be improved	Unsatisfactory
Standard «Management of Educational Programme»						
1	1.	The university must demonstrate the development of the goal and development strategy of the EP based on the analysis of external and internal factors with the wide involvement of various stakeholders		+		
2	2.	The quality assurance policy should reflect the relationship between research, teaching and learning		+		
3	3.	The university demonstrates the development of a culture of quality assurance		+		
4	4.	Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including the implementation of joint / double degree education and academic mobility		+		
5	5.	The management of the EP ensures the transparency of the development plan for the development of the EP based on an analysis of its functioning, the real positioning of the university and the focus of its activities on meeting the needs of students, the state, employers and other stakeholders		+		
6	6.	The EP management demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP	+			
7	7.	The management of the EP should involve representatives of stakeholder groups, including employers, students and teaching staff in the formation of the EP development plan		+		
8	8.	The EP management must demonstrate the individuality and uniqueness of the EP development plan, its		+		

		consistency with national development priorities and the development strategy of the educational organization				
9	9.	The university must demonstrate a clear definition of those responsible for business processes within the EP, the distribution of staff duties, and the delimitation of the functions of collegial bodies	+			
10	10.	The management of the EP ensures the coordination of the activities of all persons involved in the development and management of the EP, and its continuous implementation, and also involves all interested parties in this process		+		
11	11.	The management of the EP must ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions		+		
12	12.	The management of the EP must carry out risk management		+		
13	13.	The management of the EP should ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegiate management bodies of the educational programme, as well as their representativeness in making decisions on the management of the educational programme		+		
14	14.	The university must demonstrate innovation management within the EP, including the analysis and implementation of innovative proposals		+		
15	15.	The management of the EP must demonstrate its openness and accessibility for students, teaching staff, employers and other interested parties	+			
16	16.	The management of the EP confirms the completion of training in education management programmes.		+		
17	17.	The management of the EP should strive to ensure that the progress made since the last external quality assurance procedure is taken into account in preparation for the next procedure		+		
Total on standard			3	14	0	0
Standard «Information Management and Reporting»						
18	1.	The university must ensure the functioning of the system for collecting, analyzing and managing information based on modern information and communication technologies and software		+		
19	2.	The EP Guide demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system		+		
20	3.	The management of the EP demonstrates the existence of a reporting system that reflects the activities of all structural units and departments within the EP, including an assessment of their performance		+		
21	4.	The university must determine the frequency, forms and methods for assessing the management of the EP, the		+		

		activities of collegial bodies and structural divisions, top management				
22	5.	The university must demonstrate a mechanism for ensuring the protection of information, including determining the persons responsible for the reliability and timeliness of information analysis and data provision		+		
23	6.	The university demonstrates the involvement of students, employees and teaching staff in the processes of collecting and analysing information, as well as making decisions based on them	+			
24	7.	The management of the EP must demonstrate the existence of mechanisms for communication with students, employees and other interested parties, including conflict resolution		+		
25	8.	The university must ensure the measurement of the degree of satisfaction with the needs of students, teaching staff and staff within the framework of the EP and demonstrate evidence of the elimination of identified shortcomings		+		
26	9.	The university must evaluate the effectiveness and efficiency of activities in the context of the EP		+		
		<i>The information collected and analyzed by the university within the framework of the EP should take into account:</i>				
27	10.	key performance indicators		+		
28	11.	dynamics of the contingent of students in the context of forms and types;–		+		
29	12.	level of progress, students' achievements and expulsion		+		
30	13.	satisfaction of students with the implementation of the EP and the quality of education at the university		+		
31	14.	availability of educational resources and support systems for students		+		
32	15.	employment and career growth of graduates		+		
33	16.	Students, teaching staff and staff must document their consent to the processing of personal data		+		
34	17.	The management of the EP should contribute to the provision of the necessary information in the relevant fields of science	+			
Total on standard			2	15	0	0
Standard «Development and Approval of the Education Programme»						
35	1.	The HEI must demonstrate the existence of a documented procedure for the development of the EP and its approval at the institutional level		+		
36	2.	The HEI must demonstrate the compliance of the developed EP with the established goals and planned learning outcomes		+		
37	3.	The management of the EP should determine the influence of disciplines and professional practices on the formation of learning outcomes	+			
38	4.	The HEI demonstrates the existence of a EP graduate model that describes learning outcomes and personal qualities	+			

39	5.	The qualification awarded upon completion of the EP must be clearly defined, explained and correspond to a certain level of the NSC, QF-EHEA		+		
40	6.	The management of the EP must demonstrate the modular structure of the program based on ECTS, ensure that the structure of the content of the EP corresponds to the goals set, with a focus on achieving the planned learning outcomes for each graduate		+		
41	7.	The management of the EP must ensure that the content of academic disciplines and learning outcomes correspond to each other and the level of education (bachelor's, master's, doctoral studies)		+		
42	8.	The management of the EP must demonstrate the conduct of external reviews of the EP		+		
43	9.	The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development and quality assurance of the EP		+		
44	10.	The EP management must demonstrate the uniqueness of the educational programme, its positioning in the educational market (regional/national/international)	+			
45	11.	An important factor is the possibility of preparing students for professional certification			+	
46	12.	An important factor is the presence of a joint (s) and/or two-degree EP with foreign HEI		+		
Total on standard			3	8	1	0
Standard «On-Going Monitoring and Periodic Review of Educational Programme»						
47	1.	The HEI must ensure the revision of the structure and content of the EP, taking into account changes in the labor market, the requirements of employers and the social demand of society		+		
48	2.	The HEI must demonstrate the existence of a documented procedure for monitoring and periodic evaluation in order to achieve the goal of the EP and continuously improve the EP		+		
		<i>Monitoring and periodic evaluation of the SP should consider:</i>				
49	3.	the content of the program in the context of the latest achievements of science and technology in a particular discipline		+		
50	4.	changes in the needs of society and the professional environment		+		
51	5.	load, progress and graduation of students		+		
52	6.	effectiveness of student assessment procedures		+		
53	7.	needs and degree of satisfaction of students		+		
54	8.	compliance of the educational environment and the activities of support services with the goals of the EP		+		
55	9.	The management of the EP should publish information about changes to the EP, inform interested parties about any planned or undertaken actions within the EP			+	

56	10.	Support services should identify the needs of various groups of students and the degree of their satisfaction with the organization of training, teaching, assessment, mastering the EP as a whole		+		
Total on standard			0	9	1	0
Standard «Student-Centered Learning, Teaching and Performance Evaluation»						
57	1.	The management of the EP should ensure respect and attention to various groups of students and their needs, providing them with flexible learning paths		+		
58	2.	The management of the EP should ensure teaching based on modern achievements of world science and practice in the field of training, the use of various modern methods of teaching and evaluating learning outcomes that ensure the achievement of the goals of the EP, including competencies, skills to perform scientific work at the required level		+		
59	3.	The management of the EP should determine the mechanisms for distributing the teaching load of students between theory and practice within the framework of the EP, ensuring the mastery of the content and achievement of the objectives of the EP by each graduate of a procedure for responding to complaints from students.		+		
60	4.	An important factor is the availability of own research in the field of teaching methods for the disciplines of the EP			+	
61	5.	The HEI must ensure that the procedures for evaluating learning outcomes are in line with the planned results and goals of the EP		+		
62	6.	The HEI must ensure the consistency, transparency and objectivity of the mechanism for assessing the learning outcomes of the EP, the publication of criteria and assessment methods in advance		+		
63	7.	Assessors should be proficient in modern methods for assessing learning outcomes and regularly improve their skills in this area		+		
64	8.	The EP management must demonstrate the existence of a feedback system on the use of various teaching methods and the assessment of learning outcomes		+		
65	9.	The management of the EP must demonstrate support for the autonomy of learners while providing guidance and assistance from the teacher		+		
66	10.	The management of the EP must demonstrate the existence		+		
Total on standard			0	9	1	0
Standard «Students»						
67	1.	The HEI must demonstrate the policy of forming a contingent of students and ensure transparency, publicity of the procedures governing the life cycle of students (from admission to completion)		+		
68	2.	The management of the EP should provide for special adaptation and support programs for newly enrolled and foreign students	+			

69	3.	The HEI must demonstrate the compliance of its actions with the Lisbon Recognition Convention, including the existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education		+		
70	4.	The HEI must provide an opportunity for external and internal academic mobility of students, as well as assist them in obtaining external grants for study		+		
71	5.	The university should encourage students to self-education and development outside the main program (extracurricular activities)	+			
72	6.	An important factor is the existence of a mechanism to support gifted students		+		
73	7.	The HEI must demonstrate cooperation with other educational organizations and national centers of the «European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers» ENIC / NARIC in order to ensure comparable recognition of qualifications		+		
74	8.	The HEI must provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, maintaining contact with them	+			
75	9.	The HEI must demonstrate the procedure for issuing documents to graduates confirming the qualifications received, including the achieved learning outcomes		+		
76	10.	The EP management must demonstrate that program graduates have skills that are in demand in the labor market and that these skills are really relevant		+		
77	11.	The management of the EP must demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates		+		
78	12.	An important factor is the presence of an active alumni association/union		+		
Total on standard			3	9	0	0
Standard «Teaching Staff»						
79	1.	The HEI must have an objective and transparent personnel policy in the context of the EP, including recruitment (including invited teaching staff), professional growth and development of staff, ensuring the professional competence of the entire staff		+		
80	2.	The HEI must demonstrate the compliance of the qualitative composition of the teaching staff with the established qualification requirements, the strategy of the university, and the goals of the EP		+		
81	3.	The management of the EP should demonstrate the change in the role of the teacher in connection with the transition to student-centered learning and teaching		+		
82	4.	The HEI should provide opportunities for career growth and professional development of teaching staff, including young teachers	+			

83	5.	The HEI must involve in the teaching of specialists from relevant industries with professional competencies that meet the requirements of the EP		+		
84	6.	The HEI must demonstrate the existence of a motivation mechanism for the professional and personal development of teaching staff	+			
85	7.	The HEI must demonstrate the widespread use of information and communication technologies and software in the educational process by the teaching staff (for example, on-line training, e-portfolio, MEPs, etc.)		+		
86	8.	The HEI must demonstrate the focus on the development of academic mobility, attracting the best foreign and domestic teachers		+		
87	9.	The HEI must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity at the university, determine the contribution of the teaching staff, including those invited, to achieving the goals of the EP		+		
88	10.	An important factor is the involvement of teaching staff in the development of the economy, education, science and culture of the region and the country		+		
Total on standard			2	8	0	0
Standard «Education Resources and Student Support Systems»						
89	1.	The HEI must guarantee the compliance of the infrastructure, educational resources, including material and technical, with the goals of the educational programme		+		
90	2.	The management of the EP must demonstrate the sufficiency of classrooms, laboratories and other facilities equipped with modern equipment to ensure the achievement of the objectives of the EP		+		
		<i>The HEI must demonstrate the compliance of information resources with the needs of the university and the ongoing EP, including in the following areas:</i>				
91	3.	technological support for students and teaching staff in accordance with educational programs (for example, online learning, modeling, databases, data analysis programs)		+		
92	4.	library resources, including a fund of educational, methodical and scientific literature on general education, basic and major disciplines on paper and electronic media, periodicals, access to scientific databases		+		
93	5.	examination of the results of research, final works, dissertations for plagiarism		+		
94	6.	access to educational Internet resources		+		
95	7.	functioning of WI-FI on its territory		+		
96	8.	The HEI must demonstrate that it creates conditions for conducting scientific research, integrating science and education, publishing the results of research work of teaching staff, staff and students		+		
97	9.	The HEI should strive to ensure that the educational equipment and software used for the development of		+		

		educational programs are similar to those used in the relevant sectors of the economy				
98	10.	The management of the EP must demonstrate the existence of procedures for supporting various groups of students, including information and counseling		+		
99	11.	The management of the EP must show the existence of conditions for the advancement of the student along an individual educational trajectory		+		
100	12.	The HEI must take into account the needs of different groups of students (adults, working, foreign students, as well as students with special educational needs)			+	
101	13	The HEI must ensure that the infrastructure meets the safety requirements		+		
Total on standard			0	12	1	0
Standard «Public Information»						
102	1.	The HEI guarantees that the published information is accurate, objective, up-to-date and reflects all areas of the university's activities within the framework of the educational programme		+		
103	2.	Informing the public should include support and explanation of the national development programs of the country and the system of higher and postgraduate education		+		
104	3.	The management of the HEI should use a variety of ways to disseminate information (including the media, web resources, information networks, etc.) to inform the general public and interested parties		+		
		<i>Information about the educational program is objective, up-to-date and should include:</i>				
105	4.	the purpose and planned results of the EP, the qualifications to be awarded	+			
106	5.	information and evaluation system of educational achievements of students		+		
107	6.	information about academic mobility programs and other forms of cooperation with partner universities, employers			+	
108	7.	information about the opportunities for the development of personal and professional competencies of students and employment		+		
109	8.	data reflecting the positioning of the EP in the market of educational services (at the regional, national, international levels)		+		
110	9.	An important factor is the publication on open resources of reliable information about the teaching staff, in the context of personalities		+		
111	10.	The university must publish audited financial statements for the EP on its own web resource			+	
112	11.	The university must post information and links to external resources based on the results of external evaluation procedures		+		
113	12.	An important factor is the placement of information about cooperation and interaction with partners, including		+		

	scientific/ consulting organisations, business partners, social partners and educational organisations				
	Total on standard	1	9	2	0
	TOTAL	14	93	6	0