MINISTRY OF HEALTH OF UKRAINE

BUKOVINIAN STATE MEDICAL UNIVERSITY

PROGRAMME DRAFT

EDUCATIONAL AND SCIENTIFIC PROGRAM "DENTISTRY"

level of higher education	-	third (educational and scientific)
degree of higher education	-	Doctor of Philosophy (PhD)
field of knowledge	-	22 Healthcare
specialty	-	221 Dentistry

APPROVED BY THE ACADEMIC COUNCIL

Chairman of the Academic Council Igor GERUSH

(Order No. 10 dated June 19, 2025)

The educational program enters into force on September 1, 2025.

Rector of the higher education institution Igor GERUSH

(Order No. 35/D dated June 20, 2025)

Chernivtsi - 2025

LETTER OF AGREEMENT

educational and scientific program

Guarantor of the educational program:

Professor of the Department of Pediatric Dentistry

Professor _____ Oksana GODOVANETS

“____” _____ 202_

Head of the Department of Doctoral, Postgraduate, and Clinical Residency Programs

Associate Professor _____ Igor SEMIANIV

“____”_____ 202_

FOREWORD

Developed by the project group of Bukovinian State Medical University, consisting of:

Godovanets Oksana Ivanivna - head of the project group (guarantor of the educational and scientific program), Doctor of Medical Sciences, Professor, Professor of the Department of Pediatric Dentistry;

Batig Viktor Markianovych - project team member, Doctor of Medical Sciences, Professor, Head of the Department of Therapeutic Dentistry;

Kuznyak Natalia Bogdanivna - project team member, Doctor of Medical Sciences, Professor, Head of the Department of Surgical Dentistry and Maxillofacial Surgery;

Roshchuk Oleksandra Ihorivna - project team member, candidate of medical sciences, associate professor, head of the Department of Orthopedic Dentistry;

Bambuliak Andrii Vasyliovych - project team member, Doctor of Medical Sciences, Associate Professor, Professor of the Department of Surgical Dentistry and Maxillofacial Surgery;

Belikov Oleksandr Borisovich - project team member, Doctor of Medical Sciences, Professor, Professor of the Department of Orthopedic Dentistry;

Kotelban Anastasiia Vasylivna - project team member, candidate of medical sciences, associate professor, associate professor of the Department of Pediatric Dentistry;

Kuzyk Illia Mykhailovych - postgraduate student of the Department of Pediatric Dentistry;

Prisku Valentin Viktorovich - chief of the Chernivtsi Regional Dental Center.

Reviews and feedback from external stakeholders:

Den'ga Oksana Vasylivna – Head of the Department of Epidemiology and Prevention of Major Dental Diseases, Pediatric Dentistry and Orthodontics, State Institution "Institute of Dentistry and Maxillofacial Surgery of the National Academy of Medical Sciences of Ukraine", Doctor of Medical Sciences, Professor;

Rozhko Mykola Mykhailovych – Professor of the Department of Dentistry of Postgraduate Education, Ivano-Frankivsk National Medical University, Doctor of Medical Sciences, Professor, Honored Worker of Science and Technology of Ukraine, Corresponding Member of the National Academy of Medical Sciences of Ukraine;

Oshurko Anatolii Pavlovych – Expert dentist at the Department of Civil Protection and Public Health of the Rivne Regional State Administration, PhD, Associate Professor at the Lugansk State Medical University.

The educational and scientific program (ESP) for training specialists of the third (educational and scientific) level of higher education in the field of knowledge 22 “Health Care” in the specialty 221 “Dentistry” has been developed in accordance with the Higher Education Standard in the specialty 221 “Dentistry” for the third (educational and scientific) level of higher education (Order of the Ministry of Education and Science of Ukraine No. 1023 dated 15.11.2022) and other regulatory documents.

The ESP for training third-level specialists in the specialty “Dentistry” defines the requirements for the level of education of persons who can begin training under the ONP, the list of academic disciplines and the logical sequence of their study, the list of general and special (professional) competencies, the number of ECTS credits required to complete this program, as well as the expected learning outcomes that a candidate for the degree of Doctor of Philosophy must possess.

The third (educational and scientific) level of higher education corresponds to the eighth qualification level of the National Qualifications Framework and provides for the acquisition of theoretical knowledge, skills, abilities, and other competencies sufficient to generate new ideas, solve complex problems in the field of professional and/or research and innovation activities, master the methodology of scientific and pedagogical activities, and conduct their own scientific research, the results of which have scientific novelty, theoretical and practical significance.

A person has the right to obtain a Doctor of Philosophy degree while studying in graduate school. Persons who are professionally engaged in scientific or scientific and pedagogical activities at their main place of work have the right to obtain a Doctor of Philosophy degree outside of postgraduate studies, in particular during creative leave, provided that they successfully complete the educational and scientific program and publicly defend their dissertation before a one-time specialized academic council.

The standard term of training for a Doctor of Philosophy in the specialty 221 “Dentistry” is four years.

The update of the ONP “Dentistry” was initiated by the guarantor based on proposals from scientific and pedagogical workers, students, and employers, taking into account proposals from public discussion.

The new version of the ONP “Dentistry” was approved by the Academic Council of Bukovinian State Medical University on June 19, 2025 (Order No. 10) and applies to students entered in 2024.

1. PROFILE OF THE EDUCATIONAL AND SCIENTIFIC PROGRAM

1 – General information	
Full name of the higher education institution	Bukovinian State Medical University
Level of higher education	Third (educational and scientific) level
Degree of higher education	Doctor of Philosophy (PhD)
Official name of the educational program	Educational and scientific program “Dentistry” for the third (educational and scientific) level of higher education in the specialty 221 “Dentistry” in the field of knowledge 22 “Health Care”
Type of diploma and scope of the educational program	Doctor of Philosophy degree, single, 48 ECTS credits, duration of study 4 years
Accreditation status	The educational program is accredited by the National Agency for Higher Education Quality Assurance (certificate of accreditation of the educational program No. 1079 dated January 29, 2021, valid until July 1, 2026).
Cycle/level	NQF Ukraine – Level 8, FQ-EHEA – Third Cycle, EQF-LLL – Level 8
Background	Master's degree or specialist educational qualification in specialty 221 “Dentistry”
Forms of education	Full-time (daytime, evening), part-time
Language(s) of instruction	Ukrainian English
Duration of the educational program	The educational program is valid for 5 years with annual review and updating as necessary.
Internet address of the permanent location of the description of the educational program	https://dako.bsmu.edu.ua/%d1%961-%d1%81%d1%82%d0%be%d0%bc%d0%b0%d1%82%d0%be%d0%bb%d0%be%d0%b3%d1%96%d1%8f/
2 – Purpose of the educational program	
Training highly qualified, competitive specialists in the field of medicine, namely dentistry, capable of independently conducting scientific (scientific and technical) and pedagogical activities, resulting in the acquisition of new scientific knowledge through the preparation and defense of a dissertation.	
3 – Description of the educational program	

Subject area description	*Subject(s) of study and/or activity*: prevention, diagnosis, and treatment of pathological conditions in dentistry. *Learning objectives:* to acquire the ability to generate new ideas, solve complex problems in dentistry, apply scientific and pedagogical methodologies, and conduct independent scientific research whose results are scientifically novel and have theoretical and practical significance. *Theoretical content of the subject area:* concepts, principles, and ideas related to the organs and tissues of the human maxillofacial region and its impact on the human body as a whole. *Methods, techniques, and technologies:* modern methods of theoretical, epidemiological, experimental, and clinical research in dentistry; methods of diagnosis, treatment, and prevention in dentistry; methods of modeling, socio-psychological and expert assessments, statistical processing of research results and data analysis; digital technologies; methods and technologies for managing scientific projects; methods of scientific and pedagogical activity in higher education. *Tools and equipment:* modern equipment and software that meet the latest international practices in the field of dentistry and medicine.
The main focus of the educational program	An educational and scientific program focused on scientific research in dentistry to obtain innovative theoretical and practical results and train teaching staff to conduct the educational process.
Features of the educational program	Implemented in small groups. Provides an opportunity to choose a vector of scientific research in specialty 221 “Dentistry” taking into account the direction of practical activity and specialization.
4 – Employability and further education of graduates	

Suitability for employment	Employment in scientific and scientific-pedagogical positions in scientific institutions, higher education institutions, as well as in positions of highly qualified employees in medical institutions. After completing the educational and scientific program, specialists are able to perform professional work: - research assistant (dentistry) (code KP-2222.1); - lecturer at universities and higher education institutions – (KP-2310); - professors and associate professors – (KP - 2310.1); - other teachers at universities and higher education institutions (KP-2310.2).
Academic rights of graduates	Obtaining a doctoral degree. Obtaining additional qualifications in the adult education system.
5 – Teaching and assessment	
Teaching and learning	The educational component of training for third-level (educational and scientific) students is based on a person-oriented approach, problem-oriented learning, and self-study for the purpose of formulating new ideas and solving complex problems in the field of professional, research, and innovative activities. During their educational training, third-level (educational and scientific) students must master information search technology, scientific work methodology, skills for presenting their results in Ukrainian and English, writing a dissertation, etc. The main forms of organization of the educational process are lectures, practical classes in small groups, independent work, and teaching practice.
Assessment	The knowledge assessment system provides for ongoing, interim, and final assessment. Ongoing assessment takes the form of: surveys, tests, individual/independent assignments; presentation of research results at scientific conferences; publication of research results in scientific publications. Interim assessment of the implementation of the educational and scientific program takes place at a meeting of the department to which the applicant is attached (twice a year) and during the annual certification, where the implementation of the individual study plan and individual scientific work plan is monitored.

	Final control is carried out in the form of tests in program disciplines, as well as through a public presentation of the results of the dissertation research. The final stage is the defense of the dissertation in accordance with the current regulatory requirements.
6 – Program competencies	
Integral competence	The ability to generate new ideas, solve complex problems in dentistry and related interdisciplinary issues, apply scientific and pedagogical methodologies, and conduct independent scientific research whose results are scientifically novel and have theoretical and practical significance.
General competencies (GC)	GC01. Ability to solve complex problems based on a systematic scientific worldview and general cultural outlook, while adhering to professional ethics and academic integrity. GC02. Ability to search for, process, and analyze information from various sources. GC03. Ability to think abstractly, analyze, and synthesize. GC04. Ability to work in an international context.
Special (professional) competencies (SC)	SC01. Ability to conduct original research, achieve scientific results that create new knowledge in dentistry and related fields of medicine, and can be published in leading international scientific journals. SC02. Ability to initiate, develop, and implement comprehensive innovative projects in the field of dentistry and related interdisciplinary projects. SC03. Ability to present and discuss the results of scientific research and innovative projects in the field of dentistry orally and in writing in the state language and one of the official languages of the European Union, to publish research results in leading international scientific publications. SC04. Ability to carry out scientific and pedagogical activities in the specialty “Dentistry” in higher education institutions. SC05. Ability to generate new ideas for the development of dental theory and practice, identify problems, pose and solve research problems in the field of healthcare, evaluate and ensure the quality of research conducted in dentistry. SC06. Ability to apply modern digital technologies, databases and other electronic resources, specialized

	software in scientific and educational activities. SC07. Ability to critically analyze, evaluate and synthesize new and complex ideas in the field of dentistry and related interdisciplinary issues. SC08. Ability to engage in continuous self-development and self-improvement.

7 – Learning outcomes

LO01. Have conceptual and methodological knowledge in dentistry and related fields, as well as research skills sufficient to conduct scientific and applied research at the level of the latest global achievements in the relevant field, obtain new knowledge, and/or implement innovations.

LO02. Have a deep understanding of the general principles and methods of human health sciences, the main trends in their development, as well as the methodology of scientific research, and apply them in their own scientific research in the field of dentistry and in teaching practice.

LO03. Freely present and discuss with specialists and non-specialists the results of research and applied problems of dentistry in the state and foreign languages, publish research results in scientific publications in leading international scientific journals.

LO04. Formulate and test hypotheses; use appropriate evidence to substantiate conclusions, in particular, the results of theoretical analysis, experimental research, statistical analysis of data, and available literature data.

LO05. Apply modern tools and technologies for searching, processing, and analyzing medical and biological information, in particular, statistical methods for analyzing large volumes and/or complex structures of data, specialized databases, and information systems.

LO06. Apply general principles and methods of research in the field of healthcare, as well as modern methods and tools, digital technologies, and specialized software for conducting research in the field of dentistry.

LO07. Develop and implement scientific and/or innovative projects in the field of medicine that enable rethinking existing knowledge and creating new comprehensive knowledge and/or professional practice, and solving significant problems in the field of medicine.

LO08. Organize and implement the educational process in the field of dentistry, its scientific, educational, methodological, and regulatory support, develop and apply innovative teaching technologies, develop and teach special academic disciplines in higher education institutions.

LO09. Plan and conduct research in dentistry and related interdisciplinary fields using modern tools and adhering to the norms of professional and academic ethics, bioethics, good clinical practice (GMP), critically analyze the results of their own research and the results of other researchers in the context of the entire body of modern knowledge.

LO10. Develop and research models of processes and systems, effectively use them to obtain new knowledge and/or create innovative products in the field of dentistry

and related interdisciplinary areas.	
8 – Resource provision for program implementation	
Personnel provision	Complies with the current personnel requirements of the Licensing Conditions for Educational Activities of Higher Education Institutions (Resolution of the Cabinet of Ministers of Ukraine No. 1187 of December 30, 2015, as amended). Scientific and pedagogical staff involved in the implementation of the ESP have the appropriate qualifications, academic degrees/titles. The vast majority of scientific and pedagogical staff are full-time employees of the university. Leading freelance specialists from the city and region are involved in teaching, and employees of clinical departments are practicing specialists.
Material and technical support	Complies with current requirements for material and technical support in accordance with the Licensing Conditions for Educational Activities of Higher Education Institutions (Resolution of the Cabinet of Ministers of Ukraine No. 1187 of December 30, 2015, as amended). There are classrooms equipped with modern technical teaching aids; specialized dental offices and the University Clinic Teaching and Treatment Center; the Bukovinian State Medical University Teaching and Research Laboratory and interdepartmental laboratories, and a scientific library. The necessary social and domestic infrastructure is available. Students are provided with dormitory accommodation. To realize their creative and sporting potential, there is the Academic Palace, a sports club, and the university's own sports and health camp, Zdorovya.

Information and educational and methodological support	Complies with current requirements for information and educational support in accordance with the Licensing Conditions for Educational Activities of Higher Education Institutions (Resolution of the Cabinet of Ministers of Ukraine No. 1187 of December 30, 2015, as amended) and includes: − the official website of the university and departments that ensure the implementation of the ONP (doctoral and postgraduate department, scientific department, university departments); − adequate teaching and methodological support for educational components; − free internet connection in university buildings; − free access to Scopus, Web of Science, and other scientometric databases; − a library with modern educational literature, scientific, reference, and professional periodicals. Bukovinian State Medical University publishes seven scientific periodicals, five of which are classified as category B and two as category A (Scopus database) in the List of Scientific Professional Publications of Ukraine.
9 – Academic mobility	
National credit mobility	National (internal) credit mobility is carried out in accordance with the Law of Ukraine "On Higher Education," the Regulations on Academic Mobility of Participants in the Educational Process of Bukovinian State Medical University, and is implemented on the basis of cooperation agreements with other higher education institutions/scientific institutions of Ukraine. The recognition and transfer of credits obtained at other institutions in Ukraine is permitted in accordance with the Regulations on the Recognition of Prior Learning, ECTS Credits, Transfer of Educational Components, and Elimination of Academic Differences at Bukovinian State Medical University.
International credit mobility	International (external) credit mobility is carried out in accordance with the Law of Ukraine "On Higher Education," the Regulations on Academic Mobility of Participants in the Educational Process of Bukovinian State Medical University, and is implemented on the basis of cooperation agreements with higher education institutions/scientific institutions of other countries. The recognition and transfer of credits obtained in institutions of other countries is permitted in accordance

	with the Regulations on the Recognition of Prior Learning, ECTS Credits, Transfer of Educational Components, and Elimination of Academic Differences at Bukovinian State Medical University.

2. LIST OF COMPONENTS OF THE EDUCATIONAL AND SCIENTIFIC PROGRAM AND THEIR LOGICAL SEQUENCE

2.1. List of components of the educational and scientific program

Code	Components ESP	Number of credits	Final assessment form
Obligatory components ESP			
Acquisition of general scientific (philosophical) competencies			
OC 1.	Ethics and methodology of scientific research. Fundamentals of academic integrity	3	final exam
OC 2.	Psychology and pedagogy of higher education	3	final exam
Acquisition of universal research skills			
OC 3.	Biostatistics	3	final exam
OC 4.	Presentation and implementation of scientific research results	3	final exam
Acquisition of language skills			
OC 5.	English Upper Intermediate	6	final exam
Acquisition of in-depth knowledge in the specialty			
OC 6.	Theoretical and practical aspects of modern dentistry	9	final exam
Practical training			
OC 7.	Pedagogical practice	3	final exam
Total volume of mandatory components:		**30**	
Selective components of the ENP			
Acquisition of in-depth knowledge in the specialty			
SC 1.	Therapeutic dentistry	12	final exam
	Surgical dentistry		
	Prosthetic dentistry		
	Pediatric dentistry		
	Orthodontics		
Acquisition of general scientific (philosophical) competencies, language competencies			
SC 2.	History and philosophy of science. The concept of open science	3	final exam

	Fundamentals of Communication Theory	3	final exam
	Ukrainian Language for Professional Purposes	3	final exam
	Rhetoric	3	final exam
Acquiring universal research skills			
SC 3	Modern information technologies	3	final exam
	Key soft skills for a successful career in science	3	final exam
	Fundamentals of patent law and intellectual property	3	final exam
	Evidence-based medicine	3	final exam
Total volume of selective components:		**18**	
Total volume of the program:		**48**	

2.2. Sequence of studying the components of the educational and scientific program

Code	Components ESP	Study year			
		1	2	3	4
Obligatory components					
OC 1.	Ethics and methodology of scientific research. Fundamentals of academic integrity	*			
OC 2.	Psychology and pedagogy of higher education	*	*		
OC 3.	Biostatistics	*			
OC 4.	Presentation and implementation of scientific research results	*	*		
OC 5.	English Upper Intermediate	*	*		
OC 6.	Theoretical and practical aspects of modern dentistry	*	*		
OC 7.	Pedagogical practice		*		
Selective components					
SC 1	Acquiring in-depth knowledge in the field	*	*	*	
SC 2	Mastering general scientific (philosophical) competencies, language competencies		*		
SC 3	Acquiring universal research skills		*		
Research work					
	Completion of dissertation research	*	*	*	*
	Defense of dissertation research				*

3. HIGHER EDUCATION APPLICANT CERTIFICATION FORM

Forms of certification for higher education applicants	The certification of applicants is carried out in the form of a public defense of the dissertation in accordance with the current regulatory documents. The applicant is admitted to the defense of the dissertation only after completing the educational component of the program.
Requirements for a dissertation for the degree of Doctor of Philosophy	A dissertation for the degree of Doctor of Philosophy is an independent, comprehensive study that proposes a solution to a complex problem in the field of dentistry or at its intersection with other disciplines, the results of which are scientifically novel and have theoretical and practical significance. The dissertation must not contain academic plagiarism, falsification, or fabrication. The applicant and his or her scientific supervisor(s) are directly responsible for all information presented in the dissertation, the use of factual material and other information during its writing, and the validity of the conclusions and provisions defended therein. The formatting of the dissertation must comply with current requirements. The dissertation is freely available in the university repository and on the official website (in the section on one-time specialized academic councils).

4. MATRIX OF CORRESPONDENCE BETWEEN COMPETENCIES DEFINED BY THE STANDARD AND NQF DESCRIPTORS

Classification of competencies according to the NQF	**Knowledge** **Kn1** Conceptual and methodological knowledge in a field or at the intersection of fields of knowledge or professional activity	**Skills** **Sk1** Specialized skills/abilities and methods necessary to solve significant problems in the field of professional activity, science, and/or innovation, expanding and reevaluating existing knowledge and professional practice **Sk2** Initiation, planning, implementation, and adjustment of a consistent process of thorough scientific research in compliance with appropriate academic integrity **Sk3** Critical analysis, evaluation, and synthesis of new and complex ideas	**Communication** **C1** Free communication on issues related to scientific and expert knowledge with colleagues, the wider scientific community, and society as a whole **C2** Use of academic Ukrainian and foreign languages in professional activities and research	**Responsibility and autonomy** **Aut1** Demonstration of significant authority, innovation, a high degree of independence, academic and professional integrity, consistent commitment to the development of new ideas or processes in advanced contexts of professional and scientific activity **Aut2** Ability for continuous self-development and self-improvement
General competencies				
GC01	Kn1	Sk2,Sk3	C1	Aut1
GC02	Kn1	Sk3	C1	Aut1
GC03	Kn1	Sk3	C1	Aut1
GC04	Kn1	Sk1, Sk2, Sk3	C1, C2	Aut1
Special (professional) competencies				
SC01	Kn1	Sk1, Sk2, Sk3	C1	Aut1
SC02	Kn1	Sk2	C1, C2	Aut1
SC03	Kn1	Sk2,Sk3	C1, C2	Aut1, Aut2
SC04	Kn1	Sk1	C2	Aut1, Aut2
SC05	Kn1	Sk1, Sk2	C1	Aut1
SC06	Kn1	Sk1, Sk2, Sk3	C1	Aut1
SC07	Kn1	Sk3	C1, C2	Aut1, Aut2
SC08	Kn1	Sk1	C1, C2	Aut2

5. MATRIX OF CORRESPONDENCE BETWEEN STANDARD-DEFINED LEARNING OUTCOMES AND COMPETENCIES

Learning outcomes	Competencies											
	Intergral competency											
	General competencies				Special (professional) competencies							
	GC01	GC02	GC03	GC04	SC01	SC02	SC03	SC04	SC05	SC06	SC07	SC08
LO01	+	+	+	+	+		+		+		+	+
LO02		+	+	+	+	+		+			+	+
LO03	+	+	+				+					
LO04		+	+			+	+		+	+	+	+
LO05		+	+						+	+	+	
LO06	+				+				+	+		
LO07	+	+	+	+		+			+		+	+
LO08		+						+				
LO09	+	+	+	+	+		+			+	+	
LO10	+	+	+	+	+				+	+	+	+

Notes: GC – general competencies; SC – special competencies; LO –learning outcomes.

6. MATRIX OF CORRESPONDENCE BETWEEN PROGRAM COMPETENCIES AND COMPONENTS OF THE EDUCATIONAL PROGRAM

C	Components ESP									
	OC 1	OC 2	OC 3	OC 4	OC 5	OC 6	OC 7	SC 1	SC 2	SC 3
General competencies										
GC 01	+++	-	-	++	-	-	-	+	-	++
GC 02	+++	++	+++	+	+++	++	++	++	+	+++
GC 03	++	+++	-	+	-	+++	-	++	+	+
GC 04	++	+	++	++	+++	+++	-	+++	++	++
Special competencies										
SC 01	-	-	++	++	-	++	-	+++	-	+++
SC 02	-	-	-	++	-	+++	-	++	-	+
SC 03	++	-	-	+++	+++	-	-	+++	++	++
SC 04	-	+++	-	-	-	-	+++	+++	-	+
SC 05	++	-	++	++	-	+++	-	+++	-	++
SC 06	-	-	+++	+	++	+	-	+	-	++
SC 07	++	+	-	++	-	+++	-	+++	++	++
SC 08	-	++	-	+	+++	++	+	+++	++	+++

Notes: GC – general competencies; SC – special competencies; OC – obligatory components of the specialty curriculum; SC – selective components of the specialty curriculum; “+++” – this component dominates; “++” – this component is sufficient; “+” – this component does not make a significant contribution; “–” – this component is not mastered.

7. MATRIX FOR ENSURING PROGRAMME LEARNING OUTCOMES WITH RELEVANT COMPONENTS OF THE EDUCATIONAL PROGRAMME

LO	Components ESP									
	OC 1	OC 2	OC 3	OC 4	OC 5	OC 6	OC 7	SC 1	SC 2	SC 3
LO 01	-	-	-	-	++	+++	-	+++	-	++
LO 02	+++	++	++	++	-	++	++	++	-	-
LO 03	++	-	-	+++	+++	-	-	++	+++	+++
LO 04	++	-	+++	-	-	+	-	+	+	+++
LO 05	-	-	+++	-	-	+	-	+	-	++
LO 06	++	-	++	-	-	+	-	+	-	+
LO 07	++	-	-	++	++	++	-	+	-	++
LO 08	-	+++	-	-	-	-	+++	++	-	-
LO 09	+++	-	++	++	-	++	-	+++	-	-
LO 10	++	-	++	++	-	+++	-	++	-	-

Notes: OC – obligatory components of the specialty curriculum; SC – selective components of the specialty curriculum; LO – learning outcomes; “+++” – this component dominates; “++” – this component is sufficient; “+” – this component does not make a significant contribution; “–” – this component is not mastered.

8. REQUIREMENTS FOR THE EXISTENCE OF AN INTERNAL QUALITY ASSURANCE SYSTEM IN HIGHER EDUCATION

Principles and procedures for ensuring the quality of education	Defined and legitimized in documents: Law of Ukraine "On Higher Education" dated July 1, 2014, No. 1556-VII, "Standards and Recommendations for Quality Assurance in the European Higher Education Area" of the European Association for Quality Assurance in Higher Education, the national standard of Ukraine "Quality Management Systems" DSTU ISO 9001:2009. Principles of quality assurance in education: − compliance with European and national standards of quality in higher education; − autonomy of higher education institutions, which are responsible for ensuring the quality of educational activities and higher education; − quality monitoring; − a systematic approach that provides for quality management at all stages of the educational and scientific process; − continuous improvement of the quality of the educational and scientific process; − openness of information at all stages of quality assurance. Procedures for ensuring the quality of education: − ensuring a research and educational environment; − improving the planning of educational activities: monitoring and periodically updating the educational program; − high-quality selection of candidates for higher education at the educational and scientific level of Doctor of Philosophy; − high-quality selection of scientific supervisors for the training of PhD students; − improving the material, technical, scientific, and methodological bases for implementing the educational program; − providing the necessary resources to finance the training of doctoral students; − developing information systems to improve the efficiency of educational and scientific process management; − ensuring the publicity of information about the university's activities; − creating an effective system for preventing and detecting academic plagiarism in the scientific works of employees and higher education applicants; − creating an effective system for preventing corruption and

	bribery in the educational process.
Monitoring and periodic review of the educational program	Monitoring and periodic review of the educational program is carried out in accordance with the Regulations on Educational Programs at Bukovinian State Medical University. The criteria for reviewing the educational program are formulated based on feedback from scientific and pedagogical staff, students, employers, and forecasts of the development of the industry, the needs of society, and the labor market. The indicators of the educational program's relevance are: − updating in accordance with the current state of medical development; − employer participation in the development and modification of the educational program; − positive reviews of the educational program by reviewers; − the level of satisfaction of students with the content of the educational program; − positive reviews from employers, scientific opponents, and reviewers regarding the level of training of students.
Publicity of information about educational programs, degrees of higher education, and qualifications	The university's official website provides comprehensive information about the various areas of the university's activities, including educational and scientific programs and the organization of the educational process according to them.
Prevention and detection of academic plagiarism	Procedures and measures: − forming a team that does not accept or tolerate academic dishonesty; − creating conditions of intolerance towards cases of academic plagiarism; − establishing expert commissions to detect academic plagiarism in scientific articles, monographs, textbooks, educational and methodological publications, dissertations, etc.; − detecting and bringing to justice those guilty of academic plagiarism.

9. LIST OF REGULATORY DOCUMENTS ON WHICH THE EDUCATIONAL AND SCIENTIFIC PROGRAM IS BASED

1. Law of Ukraine “On Higher Education” dated July 1, 2014, No. 1556-VII. URL: https://zakon.rada.gov.ua/laws/show/1556-18#Text

2. Law of Ukraine “On Education” dated September 5, 2017, № 2145-VIII. URL: https://zakon.rada.gov.ua/laws/show/2145-19#Text

3. Law of Ukraine “On Scientific and Scientific and Technical Activity” dated November 26, 2015, № 848-VIII. URL: https://zakon.rada.gov.ua/laws/show/848-19#Text

4. Decree of the President of Ukraine “On Sustainable Development Goals of Ukraine for the Period until 2030” dated September, 30, 2019, № 722/2019. URL: https://zakon.rada.gov.ua/laws/show/722/2019#Text

5. Resolution of the Cabinet of Ministers of Ukraine No. 1341 of November 23, 2011, “On Approval of the National Qualifications Framework” (as amended). URL: https://zakon.rada.gov.ua/laws/show/1341-2011-%D0%BF#Text

6. Order of the State Consumer Standards Service of Ukraine No. 327 dated July 28, 2010, “National Classifier of Ukraine. Classifier of Professions DK 003:2010” (as amended). URL: https://zakon.rada.gov.ua/rada/show/va327609-10#Text

7. Resolution of the Cabinet of Ministers of Ukraine No. 266 dated April 29, 2015, “On Approval of the List of Fields of Knowledge and Specialties for Which Higher Education Applicants Are Trained” (as amended). URL: https://zakon.rada.gov.ua/laws/show/266-2015-%D0%BF#Text

8. Resolution of the Cabinet of Ministers of Ukraine No. 1187 dated December 30, 2015, “On Approval of Licensing Conditions for Educational Activities of Educational Institutions” (as amended). URL: https://zakon.rada.gov.ua/laws/show/1187-2015-%D0%BF#Text

9. Resolution of the Cabinet of Ministers of Ukraine No. 44 dated January 12, 2022, “On Approval of the Procedure for Awarding the Degree of Doctor of Philosophy and Repealing the Decision of a One-Time Specialized Academic Council of a Higher Education Institution or Scientific Institution on Awarding the Degree of Doctor of Philosophy” (as amended). URL: https://zakon.rada.gov.ua/laws/show/44-2022-%D0%BF#Text

10. Resolution of the Cabinet of Ministers of Ukraine No. 261 dated March 23, 2016, "On Approval of the Procedure for Training Candidates for the Degree of Doctor of Philosophy and Doctor of Science in Higher Education Institutions (Scientific Institutions) (as amended). URL: https://zakon.rada.gov.ua/laws/show/261-2016-%D0%BF#Text

11. Methodological recommendations for the development of higher education standards, approved by Order of the Ministry of Education and Science of Ukraine No. 512 dated March 27, 2025. URL: https://mon.gov.ua/static-objects/mon/sites/1/vishcha-osvita/2025/03/27/nakaz-mon-512-vid-27-03-2025.pdf

12. Order of the Ministry of Education and Science of Ukraine dated November 15, 2022, No. 1023 “On Approval of the Higher Education Standard for Specialty 221 ‘Dentistry’ for the Third (Educational and Scientific) Level of Higher Education.” URL: https://mon.gov.ua/storage/app/media/vishchaosvita/zatverdzeni%20standarty/2019/06/25/221-Stomatolohiya-mahistr.20.01.22.pdf

10. RESEARCH TOPICS

Titles of comprehensive research projects conducted by departments related to the implementation of the ESP:

1.	«Etiopathogenetic aspects of rehabilitation of major dental diseases of the maxillofacial region» Department of Prosthetic Dentistry 0121U109997 - applied **Doctor of Medical Sciences, Prof. Oleksandr Belikov** 01.01.2021 - 31.12.2025
2.	«Development of methods for the prevention and treatment of major dental diseases in children, taking into account the risk factors for their development» Department of Pediatric Dentistry 0121U110122 - applied **Doctor of Medical Sciences, Prof. Oksana Godovanets** 01.01.2021 - 31.12.2025
3.	«Research and argumentation of modern methods of diagnosis, treatment, and prevention of dental diseases» Department of Therapeutic Dentistry Department of Surgical Dentistry and Maxillofacial Surgery 0125U001334 - applied **Doctor of Medical Sciences, Prof. Viktor Batig** 01.01.2025 - 31.12.2029
4.	«Gender and age patterns of ontogenetic transformations and morphometric parameters of organs and structures under normal and experimental conditions. Morphofunctional and anthropometric features of the musculoskeletal system of athletes» Department of Anatomy, Clinical Anatomy, and Operative Surgery 0125U001531 - fundamental **Doctor of Medical Sciences, Prof. Oleksandr Slobodian** 01.01.2025 - 31.12.2029
5.	«Morpho-functional features of the development of organs and systems within topographic-anatomical areas in human ontogenesis» Department of Human Anatomy named after M.G. Turkevich 0125U002137 - fundamental **Doctor of Medical Sciences, Prof. Dmytro Pronyaev** 01.01.2025 - 31.12.2029