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**Federal State Autonomous Educational Institution of Higher Education  
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA  
NAMED AFTER PATRICE LUMUMBA**

**Medical Institute**

(educational division (faculty/institute/academy) as higher education programme developer)

Approved at the meeting of the Academic  
Council of RUDN University  
Protocol No. 1  
January 24, 2011

(date, month, year)

Opened by order of the Rector of  
RUDN University  
No. 353  
April 20, 2011

(date, month, year)

**PROFESSIONAL EDUCATION PROGRAMME OF HIGHER EDUCATION**

Field of Studies/Speciality:

**31.05.03 Dentistry**

(field of studies/speciality code and title)

Profile/Specialisation:

**Dentistry**

(higher education programme title)

The Educational Programme is developed in compliance with:

**Federal State Educational Standard of Higher Education**, approved by Order of the  
Ministry of Education and Science of Russian Federation No. 984 dated August 12, 2020

Level of education:

**specialist's**

(bachelor's/specialist's/master's – to fill in the required)

Graduate's Qualification:

**Doctor of Dentistry**

(graduate's qualification in compliance with the order of the Ministry of Education and Science of Russian Federation  
dated September 12, 2013, No. 1061)

Length of Educational Programme:

**5 years**

(full-time education)

-

(part-time education)

-

(correspondence education)

AGREED by:

Head  
of Educational Programme  
**S.N. Razumova**

(signature)

(day, month, year)

Chairperson  
of Didactic Council  
**I.V. Radysh**

(signature)

(day, month, year)

Head  
of Educational Department  
**A.Yu. Abramov**

(signature)

(day, month, year)

2024

**Федеральное государственное автономное образовательное учреждение  
высшего образования «Российский университет дружбы народов  
имени Патриса Лумумбы»**

**Медицинский институт**

(наименование основного учебного подразделения (ОУП) – разработчика ОП ВО)

Утверждена на заседании Ученого  
совета РУДН протокол № 1  
от « 24 » января 2011 г.

Открыта приказом ректора РУДН  
№ 353  
от « 20 » апреля 2011 г.

**ОСНОВНАЯ ПРОФЕССИОНАЛЬНАЯ ОБРАЗОВАТЕЛЬНАЯ ПРОГРАММА  
ВЫСШЕГО ОБРАЗОВАНИЯ (ОП ВО)**

Направление подготовки/специальность:

**31.05.03 Стоматология**

(код и наименование направления подготовки/специальности)

Направленность (профиль/специализация):

**Dentistry**

(наименование ОП ВО)

Образовательная программа разработана в соответствии с требованиями:  
**ФГОС ВО**, утвержденного приказом Минобрнауки России № 984  
от « 12 » августа 2020 г.

Уровень образования:

**специалитет**

(бакалавриат/специалитет/магистратура/ординатура – вписать нужное)

Квалификация выпускника:

**Врач - стоматолог**

(квалификация выпускника в соответствии с приказом Минобрнауки России от 12.09.2013 г. №1061)

Срок получения образования по ОП ВО:

**5 лет**

(очная форма обучения)

-

(очно-заочная форма обучения)

-

(заочная форма обучения)

Сведения об особенностях реализации программы: **обучение ведется на английском языке**

**СОГЛАСОВАНО:**

Руководитель ОП ВО  
**Разумова С.Н.**

Председатель МССН  
**Радыш И.В.**

Руководитель ОУП  
**Абрамов А.Ю.**

(подпись)

(подпись)

(подпись)

«\_\_» \_\_\_\_\_ 20\_\_ г.

«\_\_» \_\_\_\_\_ 20\_\_ г.

«\_\_» \_\_\_\_\_ 20\_\_ г.

2024 г.

## **1. EDUCATIONAL PROGRAMME GOAL (MISSION)**

Principal professional educational program of higher education for the specialty 31.05.03 - Dentistry, developed and approved by PFUR on the basis of FSES of higher education for the specialty 31.05.03 "Dentistry", approved by the Order of the Ministry of Science and Higher Education of the Russian Federation from August 12, 2020 № 984. The educational program (EP) regulates the goals, expected results, content, conditions and technologies of the educational process implementation, quality assessment of the graduate education in this specialty.

The higher education programme in speciality 31.05.03 - Dentistry, which is implemented at the Medical Institute of the PFUR, aims at training qualified specialists who are in demand on the labor market.

The volume of the study programme is 300 credits. The volume of a full-time study programme in one academic year is 60 credits. The volume of EP in one academic year with an individual study plan is not more than 70 credits. The period of education on the EP: in full-time mode of study, including holidays provided after the state final attestation, regardless of the applied educational technologies, is 5 years.

## **2. EDUCATIONAL PROGRAMME RELEVANCE, SPECIFICITY, AND UNIQUENESS**

Education on specialized programme "Dentistry" is allowed only in educational organisations of higher education. During implementation of the main educational programme on specialisation 31.05.03 - Dentistry various forms of e-learning are applied, distance learning technologies with application of modular principle are used. Besides, EP in specialty 31.05.03 - Dentistry is implemented in English language.

## **3. LABOUR MARKET NEEDS FOR PERSONNEL TRAINING IN EDUCATIONAL PROGRAMME PROFILE**

The educational programme implemented at the PFUR Medical Institute focuses on the specific type of professional activity for which a specialist is being trained, based on the needs of the labour market. The main potential employers are public and private medical institutions.

## **5. SPECIAL REQUIREMENTS FOR POTENTIAL APPLICANTS**

Admission is on a competitive basis on the basis of applications of persons with a state certificate of secondary (complete) general education or secondary vocational education, based on the results of the USE or the results of tests in the disciplines.

### ***1.1. Characteristics of a graduate's professional activity:***

1.1.1 Areas of professional activity and areas of professional activity in which graduates who have mastered the speciality can carry out professional activities:

- 01 Education and science (in the field of scientific research);
- 02 Health care (in the field of dental health care);
- 07 Administrative, managerial and office activities (in the field of health care organisations).

### 1.1.2 Type of professional activity.

As part of the specialisation, graduates are prepared to deal with the following types of professional tasks:

medical;  
research; organisational and  
managerial; pedagogical.

### 1.6.3 Professional objectives.

A graduate of the speciality programme (**31.05.03 Dentistry**) in accordance with the type(s) of professional activity, which the speciality programme is oriented at, is ready to solve the following professional tasks:

## 6. FEATURES OF EDUCATIONAL PROGRAMME IMPLEMENTATION

6.1. The Educational Programme is implemented *exclusively with / with elements / without the use of e-learning / distance learning technologies (if with elements, then indicate which ones specifically).*

6.2. The language of the Educational Programme implementation is *Russian/English/Spanish, etc.*

6.3. The Educational Programme is *adopted for education / does not provide for education* of people with disabilities.

6.4. The Educational Programme is implemented by the Federal State Autonomous Educational Institution of Higher Education "Peoples' Friendship University of Russia (*If the programme is joint/network, then indicate the partner organization, for example, "the higher education programme is implemented by the Federal State Autonomous Educational Institution of Higher Education "Peoples' Friendship University of Russia" together with TsNIIMASH*)".

The information about partner organizations involved in the implementation of the Educational Programme (*educational and scientific organizations, manufacturing enterprises, etc.*) should be provided.

| <b>Internship</b><br>*   | <b>Internship location</b><br>(organization name and location) |
|--|--|
| Introductory Practice / Ознакомительная практика   | RUDN Accreditation and Simulation Centre,<br>г. Moscow         |
| Practice for Obtaining the First Professional Skills in the Positions of Nursing Staff (Observing and Assisting a Registered Nurse) / Практика по получению первичных профессиональных умений и навыков на должностях среднего медицинского персонала (Помощник палатной и процедурной медицинской сестры) | Clinical bases, Moscow   |

| <b>Practice*.</b>  | <b>Practicum base</b><br><i>(name of organization, location)</i> |
|--|--|
| Observing and Assisting a Dentist (Hygiene) /<br>Помощник врача-стоматолога (гигиениста)   | Clinical bases, Moscow   |
| Observing and Assisting a Dentist (Hygiene) /<br>Помощник врача-стоматолога (гигиениста)   | Clinical bases, Moscow   |
| Practice in emergency medical<br>manipulation (on-the-job)   | Clinical bases Moscow  |
| Observing and Assisting a Dentist (Hygiene) /<br>Помощник врача-стоматолога (гигиениста)   | Clinical bases, Moscow,<br>Moscow region                         |
| Observing and Assisting a<br>Dentist (Prosthodontics) /<br>Помощник врача-<br>стоматолога (ортопеда)   | Clinical bases, Moscow   |
| Observing and Assisting a Dentist (Pediatric) /<br>Помощник врача-стоматолога (детского)   | Clinical bases, Moscow,<br>Moscow region                         |
| Observing and Assisting a Dentist<br>(General Dentistry), Including<br>Research Practice / Помощник<br>врача-стоматолога (общей<br>практики), в т.ч. научно-<br>исследовательская работа | Clinical bases, Moscow,<br>Moscow region                         |

\* The section should indicate the type (introductory/advanced field internship), the kind (orientation, technological, research, pre-graduate, etc.), and the mode (intramural/ extramural) of internship.

## **7. CHARACTERISTICS OF EDUCATIONAL PROGRAMME GRADUATE'S PROFESSIONAL ACTIVITIES**

7.1. Areas of professional activity and areas of professional activity in which graduates who have mastered the speciality can carry out professional activities:

- 01 Education and science (in the field of scientific research);
- 02 Health care (in the field of dental health care);
- 07 Administrative, managerial and office activities (in the field of health care organizations).

7.2. Type of professional activity.

7.3. The type(s) of professional tasks to which a graduate is prepared for within the framework of the HEI:

- medical;
- research; organizational and managerial; pedagogical.

7.3 Professional objectives.

A graduate of the speciality programme (**31.05.03 Dentistry**) in accordance with the type(s) of professional activity, which the speciality programme is oriented at, is ready to solve the following professional tasks:

| <b>Areas (spheres) of professional activity</b><br>(according to the Registry Ministry of Labour)      | <b>Types of professional tasks</b><br>(in accordance with <i>the FSES HE (3++)</i> ) | <b>Objectives of the professional activity</b>   |
|--|--|--|
| <b>01 Education and science (in research)</b>  | <b>Scientific and research</b>   | Involvement in research and application in health and medical sciences   |
|  | <b>Pedagogical</b>   | Training of the general public and health care workers in basic hygienic and health-promoting measures for the prevention of dental diseases and the promotion of health |
| <b>02 Health care (in the field of dental care)</b>  | <b>Medical</b>   | Diagnosis of dental diseases and pathological conditions of patients   |
|  |  | Treating patients  |
|  |  | Diagnose and treat patients in emergency and urgent situations   |
|  |  | Carrying out activities to prevent dental diseases   |
|  |  | Conducting a medical examination   |
| <b>07 Administrative, managerial and office activities (in the field of health care organisations)</b> | <b>Organisational and managerial</b>   | Application of the basic principles of the organisation of dental care in medical institutions and their subdivisions  |

List of professional standards relevant to the professional activities of graduates who have mastered the educational programme:

List of generalised job functions and job functions relevant to the professional activity of a graduate of a HEI, in accordance with which the programme was developed\*

| <b>Code and title of occupational standard</b>  | <b>Generalized labor functions</b> |   |                     | <b>Labor functions</b> |       |                                    |
|---|------------------------------------|---|---------------------|------------------------|-------|------------------------------------|
|   | Code                               | Title                                     | Qualification level | Code                   | Title | Level (sub-level) of qualification |
|   | <i>02.005 Dentist</i>              |   |                     |                        |       |                                    |
| Professional standard "Dentist", approved by Order of the Ministry of Labour and Social Protection of the Russian Federation No. 227n of 10 May 2016 (registered by the Ministry of (See the Russian Federation Ministry of Justice, June 02, | A, 02.005                          | Providing medical care at dental diseases | 7                   |                        |       |                                    |

|  |  |  |  |        |   |   |
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| 2016), registration No. 42399)<br><br><b>Professional standard code - 02.005</b> |  |  |  | A/01.7 | Conducting a survey<br><br>the patient in order to establish  | 7 |
|  |  |  |  | A/02.7 | of the diagnosis<br>Purpose, control efficiency and safety non-medical and  | 7 |
|  |  |  |  | A/03.7 | drug treatment<br>Design, implementation and efficiency control individual  | 7 |
|  |  |  |  | A/04.7 | rehabilitation programmes<br>Conducting and monitoring<br>The effectiveness of sanitary and hygiene anti-epidemic and other prevention activities | 7 |
|  |  |  |  | A/05.7 | on public health<br>Maintaining health and hygiene hygiene education among the  | 7 |

|  |                           |      |             |  | general public and health-care providers of employees for the purpose of Health promotion |                                     |
|--|---------------------------|------|-------------|--|---|-------------------------------------|
|  |                           |      |             | A/06.7   | of life Organisa tional and managerial  | 7                                   |
| Code and name of the professional standard | Generalised job functions |      |             | Labour functions   |   |                                     |
|  | code                      | name | skill level | Name   | code  | level (sub- level) of qualification |
|  |                           |      |             | Documentation and organisation of the activities of the medium-sized medical staff |   |                                     |

\* - the wording of the job functions is taken from the relevant Professional Standards.

## 8. REQUIREMENTS FOR EDUCATIONAL PROGRAMME OUTCOMES

8.1. Upon completion of the Educational Programme, the graduate is expected to acquire the following Generic Competences (GCs):

| Code and descriptor of generic competence   | Code and competence level indicator  |
|---|--|
| GC-1. Able to implement critical analysis problematic situations on based on system | GC-1.1. Analyses the problem situation as the system, identifying its components and the links between them.                       |
|   | GC-1.2. Identifies gaps in information, the necessary to deal with the problem situation, and designs processes to eliminate them. |
| approach, work out a strategy for action.   | GC-1.3. Critically evaluates the reliability of sources information sources, works c   |



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|  | contradictory information from different sources.   |
|  | GC-1.4. Develops и meaningfully Argues a strategy for solving a problem situations on based on systemic и interdisciplinary approaches.   |
|  | GC-1.5. Uses logical and methodological toolkit for Critical assessment contemporary concepts philosophical и of a social nature in their subject area.   |
| GC-2. Able to manage the project at all stages its life cycle.   | GC-2.1. Formulates on the basis of the set the problems the project problem and how to solve it through the implementation of project management.   |
|  | GC-2.2 Develops a project concept within the framework of The problem: formulates a goal and objectives, justifies relevance, Significance, Expected results and possible areas for their applications.   |
|  | GC-2.3 Plans the necessary resources, including including taking into account their substitutability.   |
|  | GC-2.4 Develops a project implementation plan with using planning tools.  |
|  | GC-2.5. Monitors the progress of implementation project, corrects deviations, introduces additional changes to the implementation plan the project, clarifies the areas of responsibility of the participants project.  |
| GC-3. Able to organise и lead the work of teams, Developing a team strategy for to achieve the goal targets.                     | GC -3.1. develops a strategy for cooperation and organises, on the basis of this, the selection of team members for achieving the goal set, allocating roles in team.   |
|  | GC-3.2 Plans and adjusts the work of the team taking into account the interests, behaviour and The Committee shall be responsible for the views of its members; shall allocate tasks and delegates authority to team members.   |
|  | GC-3.3 Resolves conflicts and contradictions in Business communication on the basis of the interests of all sides.  |
|  | GC-3.4 Organises discussions on a given topic and discussion results of work teams c The involvement of opponents to the ideas developed.   |
| GC-4. Able to apply modern communicative technology, including on foreign(s) language(s), for academic professional interaction. | GC-4.1. Sets up и develops professional contacts according to the needs of joint activities, including Sharing information and developing a common strategy interaction.  |
|  | GC-4.2 Compose, translate from and into a foreign language language at national language RUSSIAN FEDERATION и the state language of the Russian Federation into a foreign language, and also edits various academic texts (essays, essays, reviews, articles, etc.), including including in a foreign language. |
|  | GC-4.3 Presents the results of academic and professional activities at various public activities, including internationally, choosing the most appropriate  |

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|   |  | format.   |
|   |  | GC-4.4 Argues and constructively defends their positions and ideas in academic and professional debates at national level in the language of the Russian Federation and in a foreign language.  |
|   |  | GC-4.5 Selects a style of business communication in the official language of the Russian Federation and in a foreign language depending on the purpose and conditions of the partnership; adapts speech, communication style and body language to interaction situations.   |
| GC5. Able to analyse and take into account diversity of cultures in the process of intercultural interaction.   |  | GC-5.1. Interprets history of Russia in the context of global historical development.   |
|   |  | GC-5.2 Analyse the most important: ideological and value systems that have evolved in the course of historical ideological and value systems that have evolved through historical development; justifies the relevance of their use in social and professional interaction. |
|   |  | GC-5.3. Builds social and professional interaction taking into account the peculiarities of the main forms of scientific and religious consciousness, business and general culture representatives of other ethnicities and faiths, different social groups.                |
|   |  | GC-5.4. Ensures creates a non-discriminatory interaction environment in the performance of professional tasks.  |
| GC-6. Able to identify and implement the priorities of their own activities the way in which they can improve their own work and the way in which they can on the basis of self-evaluation and education lifelong learning. |  | GC-6.1 Assesses one's resources and their limits (personal, situational, time), uses them optimally for successful to carry out the task entrusted to them.   |
|   |  | GC-6.2. Identifies priorities for professional development and how to improve their own performance at based on self-assessment against selected criteria.  |
|   |  | GC-6.3 Builds a flexible professional trajectory using lifelong learning tools, taking into account accumulated professional experience and dynamic the changing demands of the labour market.  |
| GC-7. Able to maintain an adequate level of physical fitness to ensure full social professional activities.   |  | GC-7.1. Chooses health-saving technologies to maintain a healthy lifestyle, taking into account physiological characteristics body.   |
|   |  | GC-7.2. Plans its work time for an optimum combination of physical and mental The load and the performance of the machine.  |
|   |  | GC-7.3. Adheres to and promotes standards healthy lifestyles in different life situations and professional activities.  |
| GC-8. Able to create and maintain in everyday life and in professional life activities that are safe living environment for the preservation of the   |  | GC -8.1 Analyse the harmful effects on the living environment (technical equipment, technological processes, materials, buildings and structures, natural and social phenomenon).   |

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| natural environment, to ensure sustainable<br>The Company's activities are aimed at ensuring the sustainable development of society, including in the event of emergencies and military conflicts. |  |
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|  | GC -8.2. Identifies dangerous and hazards within the scope of the activity.  |
|  | GC -8.3 Addresses safety violations and participates in emergency prevention activities situations in the workplace.                                       |
|  | GC -8.4 Observes and explains the rules of conduct in emergencies of natural and man-made origin, provides first aid, participates in recovery activities. |

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| GC-9. Able to Use basic defectological knowledge in social to use basic defectological knowledge in the social and professional spheres. | GC -9.1 Knows the concept of inclusive competence, its components and structure; applies basic defectological knowledge in social and professional spheres. |
|  | GC -9.2 Interacts in social and professional spheres with persons with disabilities and with disabilities.  |
|  | GC -9.3 Knows the basics of defectology.  |

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| GC-10. Able to make sound economic decisions in different areas of life areas of life activity. | GC -10.1. Uses the main documents regulating economic activities in the professional sphere, as well as the principles of planning of economic activities. |
|   | GC -10.2 Justifies the adoption of economic solutions, uses methods economic planning methods to achieve the goals set.                                    |

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| GC -11. Able to develop intolerant attitudes к corrupt behaviour. | GC -11.1. Uses the legal and regulatory framework against corruption; ethical standards for the doctor-patient relationship (his/her legal representatives).  |
|   | GC -11.2. Uses practical experience: communicating with patients (their legal representatives) in different situations.   |
|   | GC -11.3 Is able to correctly define the tactics of the relationship with patients in different situations, including when a doctor provokes corruptive behaviour on the part of the patient (his or her legal representative). |

\*The Educational Programme's developer formulates the GC, taking into account the requirements of occupational standards and the Educational Programme field of study.

8.2. Upon completion of the Educational Programme, the graduate is expected to acquire the following general professional competences (GPCs):

| Name of the category of general professional competence | Code and descriptor of general professional competence                         | Code and competence level indicator  |
|---|--|--|
| Ethical and legal basics of professional activities     | GPC -1. Able to implement the moral  | GPC-1.1. Observes the basics of medical ethics and deontology; fundamentals of legislation in the field of Health care; legal aspects of medical practice activities.                                    |
|   | и legal norms, ethical and deontological principles of professional activities | GPC -1.2. Applies ethical standards and The principles of health-care provider behaviour at carrying out their professional responsibilities; knowledge of modern Health care legislation in the case of |

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|  |   | The solution to the challenges of professional life; apply the rules and regulations of cooperation the doctor with colleagues and patients (their legal guardians representatives).  |  |
|  |   | GPC -1.3 Has practical experience in solving standard tasks professional to work on the basis of ethical norms and deontological principles at Interaction with colleagues and patients (their legal knowledge of the rights and freedoms of persons aspects of the medical profession. |  |
|  | GPC -2. Able to analyse results their own activities for to prevent professional errors |   | GPC -2.1. Analyses the causes of occurrence professional errors, unfavourable treatment outcomes and conflict situations.  |
|  |   |   | GPC-2.2. Scientifically substantiates and implements recommendations aimed at improving The medical and legal training of dentists, on prevention professional mistakes, adverse outcomes и Conflict situations. |
|  |   |   | GPC-2.3. Evaluates the effectiveness of preventive measures, aimed at to prevention professional mistakes, adverse outcomes и Conflict situations in dentistry   |
|  | GPC -3. Able to counteracting applications doping sport and the fight against it        | к В   | GPC-3.1. Prepares information material aimed at preventing the problem of doping in sport, to implement health and wellness и educational the potential of sport.  |
|  |   |   | GPC-3.2 Understands the operation of the main types of doping on a person's physical attributes, their side effects.   |
|  |   |   | GPC -3.3. Identifies methodolo gies anti-doping study.   |
|  | Shaping a healthy lifestyle   | GPC -4. Able to   | GPC-4.1. Analyse awareness   |

|                                |  |  |
|--------------------------------|--|--|
| lifestyles                     | to conduct and implement monitoring effectiveness events at prevention, to develop a healthy Lifestyles and health and hygiene hygienic Public education | <p>population o healthy lifestyles жизни и health literacy.</p> <p>GPC-4.2 Develops a plan to enhance Sanitary culture и prevention diseases population. organisational and methodological activities aimed at</p> <p>Raising public awareness of healthy lifestyles, its literacy in . prevention of dental care diseases.</p> <p>GPC-4.3 Prepares an oral presentation or printed text, promoting healthy lifestyles life и enhancing literacy population в of the population The prevention of dental disease.</p>  |
| Diagnosis и treatment diseases | BPC-5. Able to conduct survey patient c for the purpose of the diagnosis in the case of  | <p>GPC-5.1 .Gather anamnesis by analysing complaints the patient by carrying out a physical examination for dental appointments.</p> <p>GPC-5.2. Formulates preliminary diagnosis and make a plan for laboratory and</p>   |
|                                | professional tasks   | <p>instrumental the examination of a dental patient.</p> <p>GPC-5.3. Completes The medical records of the dental patient in the in accordance with regulatory requirements.</p> <p>GPC-5.4 Refer a patient for laboratory examination if medically indicated, in accordance with current health care procedures, clinical guidelines (treatment protocols) for the provision of health care The care of the dentist is based on the standards of dental care.</p> <p>GPC-5.5. Refer the patient for instrumental examination if medically indicated, in accordance with current procedures The patient is referred for instrumental examination if medically indicated in accordance with current procedures of medical care, clinical guidelines (treatment protocols) on the provision of dental care with The standards are taken into account.</p> <p>GPC-5.6. Refer patients to specialists for consultation, if medically indicated, in accordance with the current procedures The patient is referred to specialist doctors, if medically indicated, in accordance with the current procedures of medical care, clinical guidelines (treatment protocols) for The programme is designed to provide dental care in a standardised way.</p> |

|  |  |   |
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|  |  | <p>GPC-5.7. Refer a patient for specialised medical care under inpatient or day care conditions, if medically indicated, in accordance with the current procedures of medical care, clinical guidelines (treatment protocols) on provision of dental care.</p>                                  |
|  |  | <p>GPC-5.8. makes a differential diagnosis other diseases/conditions, including urgent.</p>   |
|  |  | <p>GPC-5.9 Establishes a diagnosis based on the current International Statistical Classification of Diseases and Related Problems With health issues.</p>   |
|  | <p>GPC-6. Is able to prescribe, Monitor the effectiveness and safety of non-pharmacological and drug treatment in solve professional tasks</p> | <p>GPC-6.1: Develops a treatment plan for a dental disease taking into account the diagnosis, age and clinical picture in accordance with current health care procedures, clinical guidelines (treatment protocols) for The health care services are based on the standards of health care.</p> |
|  |  | <p>GPC-6.2 Selects medical devices (including dental materials) for a comprehensive treatment plan</p>  |

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|  |  | <p>Dental diseases. Supervision of the further course of treatment of the patient.</p>  |
|  |  | <p>GPC-6.3. Evaluates possible side effects of medication.</p>  |
|  |  | <p>GPC-6.4. Provides medical care to a dental patient in an emergency or urgent situation.</p>  |
|  |  | <p>GPC-6.5 Organises the prevention and treatment of complications, adverse effects, adverse reactions, including unexpected ones, resulting from diagnostic or treatment procedures, the use of medicines and/or medical devices, non-medicinal treatment at a dental surgery.</p> |
|  |  | <p>GPC-6.6 Organises personalised treatment of the dental patient, including elderly patients, pregnant women, children with somatic pathologies, assesses the effectiveness and safety of the treatment.</p>   |

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|  |   | <p>GPC-6.7 Prescribes medicines, medical devices taking into account the diagnosis, age and clinical picture, and in accordance with current health care procedures, clinical guidelines (treatment protocols) for medical care with<br/>The health care standards are taken into account.</p> <p>GPC-6.8 Prescribes non-pharmacological treatment for the diagnosis, age and clinical picture of the disease in accordance with the current procedures<br/>Prescribes non-medical treatment, taking into account the diagnosis, age and clinical presentation of the disease, in accordance with current health care procedures, clinical guidelines (treatment protocols) on the provision of health care with<br/>The health care standards are taken into account.</p> <p>GPC-6.9 Assesses the effectiveness and safety of the use of medicines, medical devices and other the treatment methods used in dental appointments</p> |
|  | <p>GPC-7. Able to organise and make professional decisions in acute situations, В emergency emergencies, epidemics и В In an emergency, in an epidemic or in a mass casualty area</p> | <p>GPC-7.1: Have an algorithm for first aid in emergencies, including in extreme conditions and foci of mass destruction.</p> <p>GPC-7.2 Identify conditions requiring emergency medical care, including clinical signs of sudden circulatory failure and breathing.</p> <p>GPC-7.3 Provide emergency medical care to patients with life-threatening conditions, including clinical death (life-stop)<br/>The body's important functions (circulation and/or breathing).</p> <p>GPC-7.4 Administers medicines and products products medical devices purposes at</p>  |

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|   |  | the provision of medical care in an emergency.  |
| Fundamentals of basic<br>The basic fundamental and scientific knowledge | GPC-8. Able to use basic physico-chemical, mathematical and natural science concepts и methods when solving professional tasks | GPC-8.1. Applies basic fundamental physico-chemical knowledge to solve professional problems.   |
|   |  | GPC-8.2. Applies applications science knowledge for The knowledge of the natural sciences is essential for the solution of professional problems. |
|   |  | GPC-8.3. Applies fundamental mathematical knowledge knowledge for solve professional tasks.   |
|   | GPC-9. Able to assess morphofunctional, physiological conditions   | GPC-9.1. Knows Algorithm clinical and laboratory and functional diagnostics in solving professional problems.                                     |

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|                             | и<br>pathological processes in the human body to solve professional problems  | GPC-9.2 Assess the results of clinical-laboratory and functional diagnostics in solving professional tasks.<br>GPC-9.3 Identify morphofunctional, physiological conditions and pathological human body processes. |  |
| Organisation and management | a<br>GPC-10. Able to organise the work of nursing and paramedical staff in patient care   | GPC-10.1 Supervises the performance of nursing and auxiliary medical staff, doctor's appointments.  |  |
|                             |   | GPC-10.2 Controls and evaluates the quality of medical care.  |  |
|                             |   | GPC-10.3. Supervises Medical staff, occupying nursing and paramedical staff. positions  |  |
|                             |   | GPC-10.4 Draw up a plan and report on their work.   |  |
|                             |   | GPC-10.5 Analyse basic medical and statistical indicators (morbidity, disability, mortality, mortality) of the population of the service area.  |  |
|                             | GPC-11. Able to implement the principles of quality management in professional activities   | GPC-11.1. Performs professional activities of an appropriate quality.   |  |
|                             |   | GPC-11.2 Analyse and critically appraise the quality of professional work according to given indicators.  |  |
|                             |   | GPC-11.3: Develops a plan of organisational and methodological measures to achieve an appropriate level quality professional activities.  |  |
|                             | Medical rehabilitation  | GPC-12. Able to implement and carry out monitor the effectiveness of medical rehabilitation of the dental patient   | GPC-12.1: Develops optimal treatment tactics for dental pathology in children and adults, taking into account the general medical condition and further rehabilitation patient.    |
|                             |   |   | GPC-12.2 Applies methods of holistic rehabilitation patients with dental disease, taking into account the general condition of the body and the presence of concomitant pathology. |
| Information literacy        | GPC-13. Able to understand the principles of work contemporary information technologies and use their for solution tasks professional | GPC-13.1. Applies information technology in professional practice and complies with the rules information security. information и communication tools and technologies in professional activities.                |  |
|                             |   | GPC-13.2. Observes the rules of information   |  |



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|  | activities. | safety in professional life. |
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\*The Educational Programme's developer formulates the GPC, taking into account the requirements of occupational standards and the Educational Programme field of study.

8.3. Upon completion of the Educational Programme, the graduate is expected to acquire the following professional competences (PCs)\* :

| Name of professional competence category   | Code and competence level indicator  | Code and title of occupational standard for relevant PC  |
|--|--|--|
| Theoretical and practical foundations of professional activity.<br><br>Diagnosis of dental care diseases | PC-1. Able to examine a patient in order to establish a diagnosis.                                       | PC-1.1. Conducts primary and/or repeated check-up patient to establish a preliminary diagnosis.  |
|  |  | PC-1.2. Receives information from patients (their relatives/legal ) conducts patient questionnaires on general health status, identifying comorbidities in order to establish preliminary diagnosis.   |
|  |  | PC-1.3 Identifies dentoalveolar, facial anomalies, deformities and their preconditions, defects of dental crowns and dental rows in patients based on examination, laboratory, instrumental and additional examinations in order to establish a preliminary/final diagnosis. |
|  |  | PC-1.4 Identifies risk factors for oncopathology in patients (including various background processes, pre-tumoural conditions) on the basis of laboratory, instrumental and additional examinations in order to establish preliminary/final diagnosis.                       |
|  |  | PC-1.5. Sets up preliminary/final diagnosis based on examination of the patient, laboratory and instrumental studies.  |
|  |  | PC-1.6 Establishes a definitive diagnosis on the basis of additional examinations of the patients.   |
| Theoretical and practical foundations of professional activity.  | PC-2. Able to to prescribe, monitor the effectiveness and safety of non-pharmacological и drug treatment | PC-2.1. Organises emergency and urgent medical care for acute dental diseases, conditions, exacerbations of chronic diseases which are life threatening or without clear signs that the patient's life is in danger.   |

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| <p>Treatment<br/>Dental diseases</p> |  | <p>PC-2.2: Selects medicines and medical devices (including dental materials) for the treatment of dental diseases, assessing possible side effects of medication.</p>   |
|                                      |  | <p>PC-2.3 Advises the patient on the treatment of dental diseases, preparing a comprehensive treatment plan with justification of the most appropriate tactics and assessing possible complications caused by The methodology was applied.</p>   |
|                                      |  | <p>PC-2.4. Conducts selecting type local anaesthesia/anaesthesia and assesses possible complications caused by their use.</p>  |
|                                      |  | <p>PC-2.5. Performs specialised care for adults and/or children, supervising the treatment of caries, non-carious dental diseases, pulpitis, periodontitis, periodontitis, jawbone, peripheral nervous system of the maxillofacial region, temporomandibular joint, salivary glands, oral mucosa diseases, except for precancerous lesions, using modern treatment methods approved for use in medical practice.</p> |
|                                      |  | <p>PC-2.6 Performs orthopaedic treatment of persons with dental defects, dentures within the limits of temporary dentures, single dentures, dentures up to three units (excluding dentures on dental implants), partial and full removable plate dentures using modern treatment methods approved for of use in medical practice.</p>  |
|                                      |  | <p>PC-2.7 Provides surgical care for adults and/or children, within the scope of dental extraction surgery (excluding retention and dystopia), opening of subperiosteal abscesses in periostitis jaw, acute and chronic odontogenic inflammatory processes, exacerbation of chronic diseases of maxillofacial region, using modern treatment methods, approved for of use in medical practice.</p>                   |
|                                      |  | <p>PC-2.8 Supervises and treats oral and lip mucosal diseases, except for specialized treatment of oral and lip mucosal precancerous lesions and treatment of children with manifestations of viral, bacterial, allergic and other children's oral infections.</p>   |
|                                      |  | <p>PC-2.9 Carries out stage-by-stage oral hygiene (excluding sanitation children B conditions of anaesthetic care).</p>  |
|                                      |  | <p>PC-2.10 Provides medical care in emergency and urgent forms, eliminating foci</p>   |

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|   |  | infections and intoxications.  |
|   |  | PC-2.11. Conducts patient referrals for inpatient treatment at Dental<br>The following are the main reasons for the formation of an epicrine.  |
|   |  | PC-2.12. Conducts care for patients c injuries to the maxillofacial region, persons with disabilities at home.   |
|   |  | PC-2.13. Conducts implementation physiotherapy treatments.   |
| Theoretical and practical foundations of professional practice.<br><br>The use of modern rehabilitation methods | и PC-3. Able to design, implementation and monitor the effectiveness of individual rehabilitation programmes                                 | PC-3.1. Provides provides qualified medical care in her/his specialty, using modern rehabilitation techniques approved for of use in medical practice.   |
|   |  | PC-3.2. Draws up individual Plan for the rehabilitation of a patient with maxillofacial diseases facial area.  |
|   |  | PC-3.3. Conducts observation и medicinal medication for rehabilitation matching the patient.   |
| Theoretical and practical foundations of professional practice.<br><br>Preventing dental disease                | и PC-4. Able to carry out and monitor the effectiveness of sanitary-epidemiological and other prophylactic measures to protect public health | PC-4.1 Provides brief preventive counselling, preventive examinations of the population and measures to reduce morbidity, including Infectious diseases, disability and mortality, lethality.  |
|   |  | PC-4.2 Formulates a plan for preventive dental care for the patient and selects medicines and medical devices in the category "Dental materials" for The prevention of dental diseases and monitors their implementation   |
|   |  | PC-4.3 Provides qualified medical care in their specialty using modern prevention methods approved for use in medical practice.  |
|   |  | PC-4.4 Organises supervision of prevention of oral and lip mucosal diseases, including cancer prevention and secondary prevention of cancerous neoplasms, except for Except for specialised treatment appointments Pre-cancerous lesions of the oral and lip mucosa. |
| Sanitation<br><br>hygienic enlightenment  | к PC-5. Able to carrying out sanitation hygienic enlightenment among The population and health care  | PC-5.1. Shapes y patients (their relatives/legal representatives representatives) motivation to lead a healthy lifestyle and giving up bad habits.   |
|   | employees c purpose healthy formations   | PC-5.2. Shapes y patients relatives/legal representatives representatives)   |

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|  | lifestyles   | positive behaviour, aimed at maintaining and improving health. for  |
| Scientific and research activities       | PC-6. Able to analyse and public presentation medical information at based on evidence-based medicine, κ participation conducting scientific of research, for implementation new methods and techniques, aimed at to public health | PC-6.1. conducts searches for medical information, based based on evidence- interpreting data from scientific publications and/or prepares . the presentation for public submissions medical information, the results of a scientific study.                      |
|  |  | PC-6.2. Conducts develops algorithms The examination and treatment of adults and children Dental diseases according to with the principles of evidence-based medicine, and searching for and interpreting medical information, based on evidence-based medicine.  |
|  |  | PC-6.3. Conducts public presentation evidence-based health information medicine/participation participation B scientific research.  |
| Organisational and management activities | PC-7. Able to conduct organisationally management activities.  | PC-7.1. Conducts Maintainin medical documentation.  |
|  |  | PC-7.2 Organises the management of medical Employees in middle and senior management positions junior medical staff nursing staff, monitoring quality performance/provision of health care and doctor's appointments.   |
|  |  | PC-7.3. Conducts examinations temporary incapacity for work patients, incapacity for work for care for sick The child, the determination of medical conditions for Employment, transfer to easier conditions The health and wellness services are also available. |
|  |  | PC-7.4 Conducts analyses and provides basic medico-statistical indicators B as stipulated by duly (morbidity, disability, mortality, morbidity) of the population of the area to be served.   |
|  |  | PC-7.5 Prepare a work plan and report on their work.  |

**9. MATRIX OF COMPETENCES that students acquire** when mastering the Educational Programme Dentistry, implemented under the RUDN University Academic Council decision dated "24" January 2011 (Protocol No. 353) in the field of studies / speciality 31.05.03 Dentistry.

| Code             | Courses/modules that form students' competences         | Generic competences  |   |   |  |  |   |
|------------------|---|--|---|---|--|--|---|
|                  |   | GC-1<br>Capable implement critical<br><br>Analysis troubled situations on the based on a systematic approach, produce Strategy actions | GC-2<br>Capable<br><br>manage project for at all stages him<br><br>of life cycles | GC-3<br>Capable<br>organise í and lead the way<br><br>work teams, producing team<br><br>strategy for achievements delivered by target s | GC-4<br>Capable<br>apply up-to-date<br><br>communicative technology, including including for foreign(s)<br><br>language(s), for academic and professional interactions | GC-5<br>Able to analyze and take into account the diversity of cultures in intercultural interaction | GC-6<br>Is able to identify and implement priorities for his/her own work and how to improve it on the basis of self-assessment |
| <b>Block 1.</b>  | <b>Disciplines (modules)</b>                            |  |   |   |  |  |   |
| <b>B1.O</b>      | <b>Mandatory part</b>                                   |  |   |   |  |  |   |
| B1.O.01          | Bioethics   |  |   |   |  | GC-5.2; GC-5.3; GC-5.4   |   |
| B1.O.02          | Introduction to the specialty                           |  |   |   |  |  |   |
| B1.O.03          | Philosophy  | GC-1.1; GC-1.2   |   |   |  | GC-5.1   |   |
| B1.O.04          | History (Russian history, general history story)        |  |   |   |  | GC-5.1; GC-5.2; GC-5.3; GC-5.4   |   |
| B1.O.05          | History of medicine                                     | GC-1.3.  |   |   |  | GC-5.4.  |   |
| B1.O.06          | Law   |  |   |   |  |  |   |
| B1.O.07          | Economy   |  |   |   |  |  |   |
| B1.O.08          | <i>Foreign language / Russian as a foreign language</i> |  |   |   |  |  |   |
| B1.O.08.DV.01.01 | Foreign language  |  |   |   |  | GC-4.1; GC-4.2; GC-4.3; GC-4.4;GC-4.5  |   |
| B1.O.08.DV.01.02 | Russian as a foreign language                           |  |   |   |  | GC-4.1; GC-4.2; GC-4.3; GC-4.4; GC-4.5   |   |
| B1.O.09          | Latin language  |  |   |   |  | GC-4.4   |   |
| B1.O.10          | Psychology, pedagogy                                    | GC-1.1; GC-1.2; GC-1.3   |   |   |  |  | GC-6.1; GC-6.2; GC-6.3  |

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| B1.O.11 | Mathematics   | GC-1.1; GC-1.2; GC-1.3; GC-1.4         |  |  |  |  | GC-6.1 |
| B1.O.12 | Physics   | GC-1.1; GC-1.2; GC-1.3; GC-1.4         |  |  |  |  |        |
| B1.O.13 | Medical informatics                                       |  |  |  |  |  |        |
| B1.O.14 | Chemistry   |  |  |  |  |  |        |
| B1.O.15 | Biological chemistry - Biochemistry<br>oral cavity        |  |  |  |  |  |        |
| B1.O.16 | Biology   |  |  |  |  |  |        |
| B1.O.17 | Human anatomy - Anatomy<br>Head and neck                  | GC-1.1.                                |  |  |  |  |        |
| B1.O.18 | Histology, embryology, cytology -<br>Oral histology       |  |  |  |  |  |        |
| B1.O.19 | Normal physiology, physiology<br>maxillofacial area       |  |  |  |  |  |        |
| B1.O.20 | Microbiology, virology -<br>Oral microbiology             |  |  |  |  |  |        |
| B1.O.21 | Immunology, clinical<br>Immunology                        | GC-1.1; GC-1.2; GC-1.3; GC-1.4; GC-1.5 |  |  |  |  |        |
| B1.O.22 | Organisation of general care<br>by the sick               |  |  |  |  |  |        |
| B1.O.23 | Pharmacology  |  |  |  |  |  |        |
| B1.O.24 | Pathological anatomy -<br>Patanatomy of the head and neck |  |  |  |  |  |        |
| B1.O.25 | Pathophysiology - Pathophysiology<br>Head and neck        |  |  |  |  |  |        |
| B1.O.26 | Hygiene   |  |  |  |  |  |        |
| B1.O.27 | Public health and<br>Health                               |  |  |  |  |  |        |
| B1.O.28 | Epidemiology  |  |  |  |  |  |        |
| B1.O.29 | Internal medicine   |  |  |  |  |  |        |
| B1.O.30 | Clinical pharmacology                                     |  |  |  |  |  |        |
| B1.O.31 | General surgery   |  |  |  |  |  |        |
| B1.O.32 | Surgical diseases   |  |  |  |  |  |        |
| B1.O.33 | Radiological diagnosis                                    |  |  |  |  |  |        |
| B1.O.34 | Life safety   |  |  |  |  |  |        |
| B1.O.35 | Disaster medicine   |  |  |  |  |  |        |
| B1.O.36 | Infectious diseases, phthisiology                         |  |  |  |  |  |        |
| B1.O.37 | Dermatovenerology   |  |  |  |  |  |        |
| B1.O.38 | Neurology   |  |  |  |  |  |        |
| B1.O.39 | Psychiatry and drug treatment                             |  |  |  |  |  |        |

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| B1.O.40 | Otorhinolaryngology  | GC-1.1. |  |  |  |  |  |
| B1.O.41 | Ophthalmology  |         |  |  |  |  |  |
| B1.O.42 | Forensic medicine  |         |  |  |  |  |  |
| B1.O.43 | Obstetrics   |         |  |  |  |  |  |
| B1.O.44 | Paediatrics  |         |  |  |  |  |  |
| B1.O.45 | Prevention and communal Dentistry                                    |         |  |  |  |  |  |
| B1.O.46 | Propaedeutics of dentistry diseases                                  |         |  |  |  |  |  |
| B1.O.47 | Caries and hard tissue disease tooth tissue                          |         |  |  |  |  |  |
| B1.O.48 | Endodontics  |         |  |  |  |  |  |
| B1.O.49 | Gerontostomatology and diseases oral mucosa                          |         |  |  |  |  |  |
| B1.O.50 | Periodontology   |         |  |  |  |  |  |
| B1.O.51 | Local anaesthesia and Anaesthesiology in dentistry                   |         |  |  |  |  |  |
| B1.O.52 | Oral surgery   |         |  |  |  |  |  |
| B1.O.53 | Gnathology and functional diagnosis of the temporal mandibular joint | GC-1.1. |  |  |  |  |  |
| B1.O.54 | Dental prosthetics (simple prosthetics)                              | GC-1.1. |  |  |  |  |  |
| B1.O.55 | Prosthetics for full dentures missing teeth                          | GC-1.1. |  |  |  |  |  |
| B1.O.56 | Prosthetic dentures (complex prosthetics)                            | GC-1.1. |  |  |  |  |  |
| B1.O.57 | Materials science  |         |  |  |  |  |  |
| B1.O.58 | Maxillofacial and gnathic surgery                                    |         |  |  |  |  |  |
| B1.O.59 | Diseases of the head and neck  |         |  |  |  |  |  |
| B1.O.60 | Pediatric maxillofacial surgery                                      | GC-1.1. |  |  |  |  |  |
| B1.O.61 | Maxillofacial prosthetics  | GC-1.1. |  |  |  |  |  |
| B1.O.62 | Pediatric dentistry  | GC-1.1. |  |  |  |  |  |
| B1.O.63 | Orthodontics and paediatric prosthetics                              | GC-1.1. |  |  |  |  |  |
| B1.O.64 | Physical education and sport   |         |  |  |  |  |  |
|         | <b>Part made up of participants in the educational relationship</b>  |         |  |  |  |  |  |

|                  |   |        |  |  |  |  |  |
|------------------|---|--------|--|--|--|--|--|
| B1.B.01          | <b>Foreign language (professional level) / Russian (professional level)</b> |        |  |  |  |  |  |
| B1.B.01.01.01    | Foreign language (professional level)                                       |        |  |  |  |  |  |
| B1.B.01.DV.01.02 | Russian language (professional language level)                              |        |  |  | GC-4.1; GC-4.2; GC-4.3; GC-4.4; GC-4.5 |  |  |
| B1.B.02          | Russian language and culture of speech                                      |        |  |  |  |  |  |
| B1.B.03          | Innovative technologies in of dentistry                                     |        |  |  |  |  |  |
| B1.B.04          | Topographical anatomy and Operative head and neck surgery                   |        |  |  |  |  |  |
| B1.B.05          | Emergency conditions in outpatient dental care practice                     |        |  |  |  |  |  |
| B1.B.06          | Physiotherapy for dental diseases   |        |  |  |  |  |  |
| B1.B.07          | Medical genetics in of dentistry  | GC-1.1 |  |  |  |  |  |
| B1.B.08          | Medical rehabilitation  |        |  |  |  |  |  |
| B1.B.09          | Clinical dentistry  |        |  |  |  |  |  |
| B1.B.10          | Implantology and reconstructive oral surgery                                |        |  |  |  |  |  |
| B1.B.11          | Oncological dentistry and radiotherapy                                      |        |  |  |  |  |  |
| B1.B.12          | Elective courses in physical education Culture and sport                    |        |  |  |  |  |  |
| B1.B.DV.01       | <b>Elective courses (modules) 1 (DV.1)</b>                                  |        |  |  |  |  |  |
| B1.B.DV.01.01    | Chemistry of biogenic elements  |        |  |  |  |  |  |
| B1.B.DV.01.02    | Dental modelling teeth  |        |  |  |  |  |  |
| B1.B.DV.02       | <b>Elective courses (modules) 2 (DV.2)</b>                                  |        |  |  |  |  |  |
| B1.B.DV.02.01    | Medical Elementology  |        |  |  |  |  |  |
| B1.B.DV.02.02    | Bioelements in medicine   |        |  |  |  |  |  |
| B1.B.DV.03       | <b>Elective courses (modules) 3 (DV.3)</b>                                  |        |  |  |  |  |  |
| B1.B.DV.03.01    | 3D technology in dentistry  |        |  |  |  |  |  |
| B1.B.DV.03.02    | CAD/CAM technology in of dentistry  |        |  |  |  |  |  |



|                 |  |   |   |   |   |   |   |
|-----------------|--|---|---|---|---|---|---|
| B1.B.DV.04      | <b>Elective courses (modules) 4 (DV.4)</b>   |   |   |   |   |   |   |
| B1.B.DV.04.01   | Modern endodontics   |   |   |   |   |   |   |
| B1.B.DV.04.02   | Aesthetic dental restorations  |   |   |   |   |   |   |
| <b>Block 2.</b> | <b>Practice</b>  |   |   |   |   |   |   |
|                 | <b>Mandatory part</b>  |   |   |   |   |   |   |
| B2.O.01(U)      | Orientation practice   |   |   |   |   |   |   |
| B2.O.02(U)      | Practice for acquiring initial professional skills as a nursing assistant (Ward and Procedure Assistant sisters) |   |   |   |   |   |   |
| B2.O.03(P)      | Dental assistant (hygienist)   |   |   |   |   |   |   |
| B2.O.04(P)      | Dental assistant (surgeon)   |   |   |   |   |   |   |
| B2.O.05(P)      | Dental assistant (therapist)   |   |   |   |   |   |   |
| B2.O.06(P)      | Dental assistant (orthopaedist)  |   |   |   |   |   |   |
| B2.O.07(P)      | Dental assistant (pediatrician)  |   |   |   |   |   |   |
| B2.O.08(P)      | Dental assistant (general dentist practices), including research work  |   |   |   |   |   |   |
| <b>Block 3.</b> | <b>State final certification</b>   |   |   |   |   |   |   |
| B3.01           | <b>Preparing to take and passing the national examination</b>  | + | + | + | + | + | + |

| Code             | Courses/modules that form students' competences         | Generic competences   |   |   |  |   |
|------------------|---|---|---|---|--|---|
|                  |   | GC-7<br>Capable support proper level physical fitness<br><br>in order to provide<br><br>full social and professional activities | GC-8<br>Able to create and keep in in everyday life and in professional activities that are safe living conditions for<br><br>preservation of the natural environment, ensuring sustainable development<br>The public, including in the case of the threat and occurrence of emergencies and military conflicts | GC-9<br>Capable use basic defectology<br>The knowledge of the social and professional<br>In the field | GC-10<br>Is able to make sound economic decisions in different areas of life | GC-11<br>Capable build intolerance<br><br>attitude towards<br><br>corrupt behaviour |
| <b>Block 1.</b>  | <b>Disciplines (modules)</b>                            |   |   |   |  |   |
|                  | <b>Mandatory part</b>                                   |   |   |   |  |   |
| B1.O.01          | Bioethics   |   |   |   |  | GC-11.1; GC-11.2; GC-11.3   |
| B1.O.02          | Introduction to the specialty                           |   |   |   |  |   |
| B1.O.03          | Philosophy  |   |   |   |  |   |
| B1.O.04          | History (Russian history, general history story)        |   |   |   |  |   |
| B1.O.05          | History of medicine                                     |   |   |   |  |   |
| B1.O.06          | Law   |   |   |   |  | GC-11.1   |
| B1.O.07          | Economy   |   |   |   | GC-10.1.   |   |
| B1.O.08          | <b>Foreign language / Russian as a foreign language</b> |   |   |   |  |   |
| B1.O.08.DV.01.01 | Foreign language  |   |   |   |  |   |
| B1.O.08.DV.01.02 | Russian as a foreign language                           |   |   |   |  |   |
| B1.O.09          | Latin language  |   |   |   |  |   |
| B1.O.10          | Psychology, pedagogy                                    |   |   |   |  |   |
| B1.O.11          | Mathematics   |   |   |   |  |   |
| B1.O.12          | Physics   |   |   |   |  |   |
| B1.O.13          | Medical informatics                                     |   |   |   |  |   |
| B1.O.14          | Chemistry   |   |   |   |  |   |
| B1.O.15          | Biological chemistry - Cavity biochemistry mouth        |   |   |   |  |   |

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|---------|--|------------------------|----------------|--|--|--|
| B1.O.16 | Biology  |                        |                |  |  |  |
| B1.O.17 | Human anatomy - Anatomy of the head and of the neck    |                        |                |  |  |  |
| B1.O.18 | Histology, embryology, cytology - Oral histology       |                        |                |  |  |  |
| B1.O.19 | Normal physiology, physiology maxillofacial area       |                        |                |  |  |  |
| B1.O.20 | Microbiology, virology - Oral microbiology             |                        |                |  |  |  |
| B1.O.21 | Immunology, clinical immunology                        |                        |                |  |  |  |
| B1.O.22 | Organising general nursing care                        |                        |                |  |  |  |
| B1.O.23 | Pharmacology   |                        |                |  |  |  |
| B1.O.24 | Pathological anatomy - Patanatomy Head and neck        |                        |                |  |  |  |
| B1.O.25 | Pathophysiology - Pathophysiology of the head and neck |                        |                |  |  |  |
| B1.O.26 | Hygiene  | GC-7.1; GC-7.2; GC-7.3 | GC-8.1; GC-8.2 |  |  |  |
| B1.O.27 | Public health and Health                               | GC-7.1; GC-7.2; GC-7.3 |                |  |  |  |
| B1.O.28 | Epidemiology   |                        | GC-8.3; GC-8.4 |  |  |  |
| B1.O.29 | Internal medicine                                      |                        |                |  |  |  |
| B1.O.30 | Clinical pharmacology                                  |                        |                |  |  |  |
| B1.O.31 | General surgery  |                        |                |  |  |  |
| B1.O.32 | Surgical diseases                                      |                        |                |  |  |  |
| B1.O.33 | Radiological diagnosis                                 |                        |                |  |  |  |
| B1.O.34 | Life safety  |                        |                |  |  |  |
| B1.O.35 | Disaster medicine                                      |                        |                |  |  |  |
| B1.O.36 | Infectious diseases, phthisiology                      |                        | GC-8.3; GC-8.4 |  |  |  |
| B1.O.37 | Dermatovenerology                                      |                        |                |  |  |  |
| B1.O.38 | Neurology  |                        |                |  |  |  |
| B1.O.39 | Psychiatry and drug treatment                          |                        |                |  |  |  |
| B1.O.40 | Otorhinolaryngology                                    |                        |                |  |  |  |
| B1.O.41 | Ophthalmology  |                        |                |  |  |  |
| B1.O.42 | Forensic medicine                                      |                        |                |  |  |  |
| B1.O.43 | Obstetrics   |                        |                |  |  |  |
| B1.O.44 | Paediatrics  |                        |                |  |  |  |
| B1.O.45 | Prevention and communal Dentistry                      |                        |                |  |  |  |

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|------------------|---|------------------------|--|--|--|--|
| B1.O.46          | Propaedeutics of dentistry diseases   |                        |  |  |  |  |
| B1.O.47          | Caries and hard tissue disease tooth tissue   |                        |  |  |  |  |
| B1.O.48          | Endodontics   |                        |  |  |  |  |
| B1.O.49          | Gerontostomatology and oral mucosal diseases  |                        |  |  |  |  |
| B1.O.50          | Periodontology  |                        |  |  |  |  |
| B1.O.51          | Local anaesthesia and anaesthesiology in dentistry  |                        |  |  |  |  |
| B1.O.52          | Oral surgery  |                        |  |  |  |  |
| B1.O.53          | Gnathology and functional diagnosis of the temporomandibular joint                          |                        |  |  |  |  |
| B1.O.54          | Dental prosthetics (simple prosthetics)   |                        |  |  |  |  |
| B1.O.55          | Prosthetics for total absence teeth   |                        |  |  |  |  |
| B1.O.56          | Rectangular prosthetics (complex prosthetics)   |                        |  |  |  |  |
| B1.O.57          | Materials science   |                        |  |  |  |  |
| B1.O.58          | Maxillofacial and gnathic surgery   |                        |  |  |  |  |
| B1.O.59          | Diseases of the head and neck   |                        |  |  |  |  |
| B1.O.60          | Pediatric maxillofacial surgery   |                        |  |  |  |  |
| B1.O.61          | Maxillofacial prosthetics   |                        |  |  |  |  |
| B1.O.62          | Pediatric dentistry   |                        |  |  |  |  |
| B1.O.63          | Orthodontics and paediatric prosthetics   |                        |  |  |  |  |
| B1.O.64          | Physical education and sport  | GC-7.1; GC-7.2; GC-7.3 |  |  |  |  |
|                  | <b>Part made up of participants in the educational relationship</b>                         |                        |  |  |  |  |
| B1.B.01          | <b><i>Foreign language (professional level) / Russian language (professional level)</i></b> |                        |  |  |  |  |
| B1.B.01.01.01    | Foreign language (professional level)   |                        |  |  |  |  |
| B1.B.01.DV.01.02 | Russian language (professional language level)  |                        |  |  |  |  |
| B1.B.02          | Russian language and culture of speech  |                        |  |  |  |  |

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|-----------------|--|------------------------|--|--|--|--|
| B1.B.03         | Innovative technologies in of dentistry  |                        |  |  |  |  |
| B1.B.04         | Topographical anatomy and operative surgery of the head and neck   |                        |  |  |  |  |
| B1.B.05         | Emergency conditions in outpatient care in dental practice   |                        |  |  |  |  |
| B1.B.06         | Physiotherapy for dental care diseases   |                        |  |  |  |  |
| B1.B.07         | Medical genetics in dentistry  |                        |  |  |  |  |
| B1.B.08         | Medical rehabilitation   |                        |  |  |  |  |
| B1.B.09         | Clinical dentistry   |                        |  |  |  |  |
| B1.B.10         | Implantology and reconstructive oral surgery   |                        |  |  |  |  |
| B1.B.11         | Oncological dentistry and radiotherapy   |                        |  |  |  |  |
| B1.B.12         | Elective courses in physical education Culture and sport   | GC-7.1; GC-7.2; GC-7.3 |  |  |  |  |
| B1.B.DV.01      | <b><i>Elective courses (modules) 1 (DV.1)</i></b>  |                        |  |  |  |  |
| B1.B.DV.01.01   | Chemistry of biogenic elements   |                        |  |  |  |  |
| B1.B.DV.01.02   | Dental modelling of teeth  |                        |  |  |  |  |
| B1.B.DV.02      | <b><i>Elective courses (modules) 2 (DV.2)</i></b>  |                        |  |  |  |  |
| B1.B.DV.02.01   | Medical Elementology   |                        |  |  |  |  |
| B1.B.DV.02.02   | Bioelements in medicine  |                        |  |  |  |  |
| B1.B.DV.03      | <b><i>Elective courses (modules) 3 (DV.3)</i></b>  |                        |  |  |  |  |
| B1.B.DV.03.01   | 3D technology in dentistry   |                        |  |  |  |  |
| B1.B.DV.03.02   | CAD/CAM technology in dentistry  |                        |  |  |  |  |
| B1.B.DV.04      | <b><i>Elective courses (modules) 4 (DV.4)</i></b>  |                        |  |  |  |  |
| B1.B.DV.04.01   | Modern endodontics   |                        |  |  |  |  |
| B1.B.DV.04.02   | Aesthetic dental restorations  |                        |  |  |  |  |
| <b>Block 2.</b> | <b>Practice</b>  |                        |  |  |  |  |
|                 | <b>Mandatory part</b>  |                        |  |  |  |  |
| B2.O.01(U)      | Orientation practice   |                        |  |  |  |  |
| B2.O.02(U)      | Practice for acquiring basic professional skills in nursing positions Staff (Ward and Procedure Nurse Assistant) |                        |  |  |  |  |

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| B2.O.03(P)      | Dental assistant (hygienist)                                  |   |   |   |   |   |
| B2.O.04(P)      | Dental assistant (surgeon)                                    |   |   |   |   |   |
| B2.O.05(P)      | Dental assistant (general practitioner)                       |   |   |   |   |   |
| B2.O.06(P)      | Dental (orthopaedic) assistant                                |   |   |   |   |   |
| B2.O.07(P)      | Dental assistant (paediatric)                                 |   |   |   |   |   |
| B2.O.08(P)      | Dental assistant (general practitioner), incl. research work  |   |   |   |   |   |
| <b>Block 3.</b> | <b>State final certification</b>                              |   |   |   |   |   |
| B3.01           | <b>Preparing to take and passing the national examination</b> | + | + | + | + | + |

| Code             | Courses/modules that form students' competences         | General professional competences  |  |   |   |  |  |   |
|------------------|---|---|--|---|---|--|--|---|
|                  |   | GPC-1. Able to implement moral and legal norms, ethical and deontological principles in professional activity | GPC-2. Is able to analyse the results of his/her own activities to prevent professional errors | GPC-3. Able to oppose and combat the use of doping in sport | GPC-4. Able to carry out and monitor the effectiveness of prevention, health promotion and hygiene education measures of the population | GPC-5. Able to examine a patient in order to establish a diagnosis while solving professional problems | GPC-6. Can prescribe, monitor the effectiveness and safety of non-pharmacological and medical treatment for professional tasks | GPC-7. Able to organise and take professional decisions in acute conditions, emergencies, epidemics and hotbeds of mass destruction |
| <b>Block 1.</b>  | <b>Disciplines (modules)</b>                            |   |  |   |   |  |  |   |
|                  | <b>Mandatory part</b>                                   |   |  |   |   |  |  |   |
| B1.O.01          | Bioethics   | GPC-1.1; GPC-1.2; GPC-1.3   | GPC-2.1; GPC-2.2; GPC-2.3  |   |   |  |  |   |
| B1.O.02          | Introduction to the specialty                           | GPC-1.1   |  |   |   |  |  |   |
| B1.O.03          | Philosophy  |   |  |   |   |  |  |   |
| B1.O.04          | History (Russian history, general history story)        |   |  |   |   |  |  |   |
| B1.O.05          | History of medicine                                     | GPC-1.1.  |  |   |   |  |  |   |
| B1.O.06          | Law   | GPC-1.1; GPC-1.2; GPC-1.3   |  |   |   |  |  |   |
| B1.O.07          | Economy   |   |  |   |   |  |  |   |
| B1.O.08          | <b>Foreign language / Russian as a foreign language</b> |   |  |   |   |  |  |   |
| B1.O.08.DV.01.01 | Foreign language  |   |  |   |   |  |  |   |
| B1.O.08.DV.01.02 | Russian as a foreign language                           |   |  |   |   |  |  |   |
| B1.O.09          | Latin language  |   |  |   |   |  |  |   |
| B1.O.10          | Psychology, pedagogy                                    |   |  |   |   |  |  |   |
| B1.O.11          | Mathematics   |   |  |   |   |  |  |   |
| B1.O.12          | Physics   |   |  |   |   |  |  |   |
| B1.O.13          | Medical informatics                                     |   |  |   |   |  |  |   |
| B1.O.14          | Chemistry   |   |  |   |   |  |  |   |

|         |   |                           |  |  |                  |                           |   |                           |
|---------|---|---------------------------|--|--|------------------|---------------------------|---|---------------------------|
| B1.O.15 | Biological chemistry - Cavity biochemistry mouth        |                           |  |  |                  |                           |   |                           |
| B1.O.16 | Biology   |                           |  |  |                  |                           |   |                           |
| B1.O.17 | Human anatomy - Anatomy of the head and of the neck     |                           |  |  |                  |                           |   |                           |
| B1.O.18 | Histology, embryology, cytology - Oral histology        |                           |  |  |                  |                           |   |                           |
| B1.O.19 | Normal physiology, physiology maxillofacial area        |                           |  |  |                  |                           |   |                           |
| B1.O.20 | Microbiology, virology - Oral microbiology              |                           |  |  |                  |                           |   |                           |
| B1.O.21 | Immunology, clinical immunology                         |                           |  |  |                  |                           | GPC-6.1; GPC-6.2; GPC-6.3; GPC-6.4; GPC-6.5; GPC-6.6; GPC-6.7; GPC-6.8; GPC-6.9 |                           |
| B1.O.22 | Organising general nursing care                         | GPC-1.1; GPC-1.2; GPC-1.3 |  |  |                  |                           |   |                           |
| B1.O.23 | Pharmacology  |                           |  |  |                  |                           | GPC-6.3; GPC-6.4; GPC-6.9   |                           |
| B1.O.24 | Pathological anatomy - Pathanatomy of the head and neck |                           |  |  |                  | GPC-5.8; GPC-5.9          |   |                           |
| B1.O.25 | Pathophysiology - Pathophysiology Head and neck         |                           |  |  |                  |                           |   |                           |
| B1.O.26 | Hygiene   |                           |  |  | GPC-4.1; GPC-4.2 |                           |   |                           |
| B1.O.27 | Public health and Health                                |                           |  |  |                  |                           |   |                           |
| B1.O.28 | Epidemiology  |                           |  |  |                  |                           |   | GPC-7.1                   |
| B1.O.29 | Internal medicine                                       |                           |  |  |                  | GPC-5.1; GPC-5.2; GPC-5.3 | GPC-6.1; GPC-6.2; GPC-6.3   |                           |
| B1.O.30 | Clinical pharmacology                                   |                           |  |  |                  |                           |   |                           |
| B1.O.31 | General surgery   |                           |  |  |                  | BPC-5.1; OPC-5.2; OPC-5.3 | GPC-6.1; GPC-6.2; GPC-6.3   | GPC-7.1; GPC-7.2; GPC-7.3 |
| B1.O.32 | Surgical diseases                                       |                           |  |  |                  | BPC-5.1; OPC-5.2; OPC-5.3 | GPC-6.1; GPC-6.2; GPC-6.3   | GPC-7.1; GPC-7.2; GPC-7.3 |
| B1.O.33 | Radiological diagnosis                                  |                           |  |  |                  |                           |   |                           |
| B1.O.34 | Life safety   |                           |  |  |                  |                           |   |                           |
| B1.O.35 | Disaster medicine                                       |                           |  |  |                  |                           |   |                           |
| B1.O.36 | Infectious diseases, phthisiology                       |                           |  |  |                  |                           |   |                           |



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|---------|--|------------------|---------------------|--|---------------------------|---|---|--|
| B1.O.37 | Dermatovenerology                            |                  |                     |  |                           | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.4;<br>GPC-5.5;<br>GPC-5.6;<br>GPC-5.7;<br>GPC-5.8;<br>GPC-5.9 | GPC-6.1; GPC-6.2; GPC-6.3; GPC-6.4; GPC-6.5; GPC-6.6; GPC-6.7; GPC-6.8; GPC-6.9 |  |
| B1.O.38 | Neurology                                    |                  |                     |  |                           |   |   |  |
| B1.O.39 | Psychiatry and drug treatment                |                  |                     |  |                           |   |   |  |
| B1.O.40 | Otorhinolaryngology                          | GPC-1.1; GPC-1.2 |                     |  |                           |   |   |  |
| B1.O.41 | Ophthalmology                                |                  |                     |  |                           |   |   |  |
| B1.O.42 | Forensic medicine                            |                  |                     |  |                           |   |   |  |
| B1.O.43 | Obstetrics                                   |                  |                     |  |                           |   |   |  |
| B1.O.44 | Paediatrics                                  |                  |                     |  |                           | GPC-5.8   | GPC-6.1; GPC-6.6  |  |
| B1.O.45 | Prevention and communal Dentistry            |                  |                     |  | GPC-4.1; GPC-4.2; GPC-4.3 |   |   |  |
| B1.O.46 | Propaedeutics of dentistry diseases          |                  |                     |  |                           | GPC-5.1;<br>GPC-5.3   |   |  |
| B1.O.47 | Cariesology and dental hard tissue disease   |                  | GPC-2.1;<br>GPC-2.2 |  |                           | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.4;<br>GPC-5.5;<br>GPC-5.9                                     | GPC-6.1; GPC-6.2  |  |
| B1.O.48 | Endodontics                                  |                  | GPC-2.1;<br>GPC-2.2 |  |                           | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.4;<br>GPC-5.5;<br>GPC-5.9                                     | GPC-6.1; GPC-6.2  |  |
| B1.O.49 | Gerontostomatology and oral mucosal diseases |                  | GPC-2.1;<br>GPC-2.2 |  |                           | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.8;<br>GPC-5.9   | GPC-6.1; GPC-6.2  |  |
| B1.O.50 | Periodontology                               |                  | GPC-2.1;<br>GPC-2.2 |  |                           | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.4;<br>GPC-5.5;<br>GPC-5.9                                     | GPC-6.1; GPC-6.2  |  |

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|---------|--|------------------|---------------------------------|--|------------------|--|---|------------------|
| B1.O.51 | Local anaesthesia and anaesthesiology in dentistry                 |                  | GPC-2.1;<br>GPC-2.2             |  |                  | GPC-5.1;<br>GPC-5.2  |   |                  |
| B1.O.52 | Oral surgery   |                  | GPC-2.1;<br>GPC-2.2             |  |                  | GPC-5.1;<br>GPC-5.2  | GPC-6.1; GPC-6.2  |                  |
| B1.O.53 | Gnathology and functional diagnosis of the temporomandibular joint |                  |                                 |  |                  | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.8;<br>GPC-5.9              | GPC-6.1; GPC-6.2  |                  |
| B1.O.54 | Dental prosthetics (simple dentures)                               |                  |                                 |  |                  | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.8;<br>GPC-5.9              | GPC-6.1; GPC-6.2  |                  |
| B1.O.55 | Prosthetics for missing teeth                                      |                  |                                 |  |                  | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.8;<br>GPC-5.9              | GPC-6.1; GPC-6.2  |                  |
| B1.O.56 | Rectangular prosthetics (complex prosthetics)                      |                  |                                 |  |                  | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.8;<br>GPC-5.9              | GPC-6.1; GPC-6.2  |                  |
| B1.O.57 | Materials science  |                  |                                 |  |                  |  | GPC-6.2   |                  |
| B1.O.58 | Maxillofacial and gnathic surgery                                  |                  | GPC-2.1;<br>GPC-2.2             |  |                  | GPC-5.1;<br>GPC-5.2  | GPC-6.1; GPC-6.2  | GPC-7.1; GPC-7.2 |
| B1.O.59 | Diseases of the head and neck                                      |                  | GPC-2.1;<br>GPC-2.2             |  |                  | GPC-5.1;<br>GPC-5.2  | GPC-6.1; GPC-6.2  | GPC-7.1; GPC-7.2 |
| B1.O.60 | Pediatric maxillofacial surgery                                    |                  |                                 |  |                  | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.8;<br>GPC-5.9              | GPC-6.1; GPC-6.2  |                  |
| B1.O.61 | Maxillofacial prosthetics  |                  |                                 |  |                  | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.8;<br>GPC-5.9              | GPC-6.1; GPC-6.2  |                  |
| B1.O.62 | Pediatric dentistry  | GPC-1.1; GPC-1.3 | GPC-2.1;<br>GPC-2.2;<br>GPC-2.3 |  | GPC-4.1; GPC-4.3 | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.4;<br>GPC-5.5;<br>GPC-5.6; | GPC-6.1; GPC-6.2; GPC-6.3;<br>GPC-6.4; GPC-6.5; GPC-6.9 |                  |

|                  |   |                  |                                 |  |                  |   |   |                  |
|------------------|---|------------------|---------------------------------|--|------------------|---|---|------------------|
|                  |   |                  |                                 |  |                  | GPC-5.8;<br>GPC-5.9   |   |                  |
| B1.O.63          | Orthodontics and paediatric prosthetics                                     | GPC-1.1; GPC-1.3 | GPC-2.1;<br>GPC-2.2;<br>GPC-2.3 |  | GPC-4.1; GPC-4.3 | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.4;<br>GPC-5.5;<br>GPC-5.6;<br>GPC-5.8;<br>GPC-5.9 | GPC-6.1; GPC-6.2; GPC-6.3;<br>GPC-6.4; GPC-6.5; GPC-6.9 |                  |
| B1.O.64          | Physical education and sport  |                  |                                 |  |                  |   |   |                  |
|                  | <b>Part made up of participants in the educational relationship</b>         |                  |                                 |  |                  |   |   |                  |
| B1.B.01          | <i>Foreign language (professional level) / Russian (professional level)</i> |                  |                                 |  |                  |   |   |                  |
| B1.B.01.01.01    | Foreign language (professional level)                                       |                  |                                 |  |                  |   |   |                  |
| B1.B.01.DV.01.02 | Russian language (professional level)                                       |                  |                                 |  |                  |   |   |                  |
| B1.B.02          | Russian language and culture of speech                                      |                  |                                 |  |                  |   |   |                  |
| B1.B.03          | Innovative technologies in of dentistry                                     |                  |                                 |  |                  |   |   |                  |
| B1.B.04          | Topographical anatomy and operative Head and neck surgery                   |                  |                                 |  |                  |   |   |                  |
| B1.B.05          | Emergency conditions in outpatient care in dental practice                  |                  |                                 |  |                  |   |   |                  |
| B1.B.06          | Physiotherapy for dental care diseases                                      |                  |                                 |  |                  |   |   |                  |
| B1.B.07          | Medical genetics in dentistry   |                  |                                 |  |                  | GPC-5.1;<br>GPC-5.2;<br>GPC-5.3;<br>GPC-5.8;<br>GPC-5.9                                     | GPC-6.1; GPC-6.2  |                  |
| B1.B.08          | Medical rehabilitation  |                  |                                 |  |                  |   |   |                  |
| B1.B.09          | Clinical dentistry  |                  |                                 |  |                  |   | GPC-6.1   |                  |
| B1.B.10          | Implantology and reconstructive oral surgery                                |                  | GPC-2.1;<br>GPC-2.2             |  |                  | GPC-5.2   | GPC-6.1; GPC-6.2  | GPC-7.1; GPC-7.2 |
| B1.B.11          | Oncological dentistry and radiotherapy                                      |                  |                                 |  |                  |   |   |                  |
| B1.B.12          | Elective courses in physical education Culture and sport                    |                  |                                 |  |                  |   |   |                  |
| B1.B.DV.01       | <i>Elective courses (modules) 1 (DV.1)</i>                                  |                  |                                 |  |                  |   |   |                  |

|                 |  |   |   |   |   |                     |   |   |
|-----------------|--|---|---|---|---|---------------------|---|---|
| B1.B.DV.01.01   | Chemistry of biogenic elements   |   |   |   |   |                     |   |   |
| B1.B.DV.01.02   | Dental modelling of teeth  |   |   |   |   |                     |   |   |
| B1.B.DV.02      | <b>Elective courses (modules) 2 (DV.2)</b>   |   |   |   |   |                     |   |   |
| B1.B.DV.02.01   | Medical Elementology   |   |   |   |   |                     |   |   |
| B1.B.DV.02.02   | Bioelements in medicine  |   |   |   |   |                     |   |   |
| B1.B.DV.03      | <b>Elective courses (modules) 3 (DV.3)</b>   |   |   |   |   |                     |   |   |
| B1.B.DV.03.01   | 3D technology in dentistry   |   |   |   |   | GPC-5.5;<br>GPC-5.6 |   |   |
| B1.B.DV.03.02   | CAD/CAM technology in dentistry  |   |   |   |   |                     |   |   |
| B1.B.DV.04      | <b>Elective courses (modules) 4 (DV.4)</b>   |   |   |   |   |                     |   |   |
| B1.B.DV.04.01   | Modern endodontics   |   |   |   |   |                     |   |   |
| B1.B.DV.04.02   | Aesthetic dental restorations  |   |   |   |   |                     |   |   |
| <b>Block 2.</b> | <b>Practice</b>  |   |   |   |   |                     |   |   |
|                 | <b>Mandatory part</b>  |   |   |   |   |                     |   |   |
| B2.O.01(U)      | Orientation practice   |   |   |   |   |                     |   |   |
| B2.O.02(U)      | Practice for acquiring basic professional skills for nursing positions (Ward and Ward Assistant) (a nurse on the ward) |   |   |   |   |                     |   |   |
| B2.O.03(P)      | Dental assistant (hygienist)   |   |   |   |   |                     |   |   |
| B2.O.04(P)      | Dental assistant (surgeon)   |   |   |   |   |                     |   |   |
| B2.O.05(P)      | Dental assistant (general practitioner)  |   |   |   |   |                     |   |   |
| B2.O.06(P)      | Dental (orthopaedic) assistant   |   |   |   |   |                     |   |   |
| B2.O.07(P)      | Dental assistant (paediatric)  |   |   |   |   |                     |   |   |
| B2.O.08(P)      | Dental assistant (general practitioner), incl. research work   |   |   |   |   |                     |   |   |
| <b>Block 3.</b> | <b>State final certification</b>   |   |   |   |   |                     |   |   |
| E3.01           | <b>Preparing to take and passing the national examination</b>  | + | + | + | + | +                   | + | + |

| Code             | Courses/modules that form students' competences         | General professional competences   |  |  |   |   |   |
|------------------|---|--|--|--|---|---|---|
|                  |   | GPC-8. Able to use basic physico-chemical, mathematical and natural science concepts and methods when solving professional tasks | GPC-9. Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems | GPC-10. Able to organise the work of nursing and paramedical staff in patient care | GPC-11. Able to implement the principles of quality management in professional activities | GPC-12. Able to implement and monitor the effectiveness of medical rehabilitation of the dental patient | GPC-13. Able to understand the principles of modern information technology and use it to solve professional tasks |
| <b>Block 1.</b>  | <b>Disciplines (modules)</b>                            |  |  |  |   |   |   |
|                  | <b>Mandatory part</b>                                   |  |  |  |   |   |   |
| B1.O.01          | Bioethics   |  |  |  |   |   |   |
| B1.O.02          | Introduction to the specialty                           |  |  |  |   |   |   |
| B1.O.03          | Philosophy  |  |  |  |   |   |   |
| B1.O.04          | History (Russian history, general history story)        |  |  |  |   |   |   |
| B1.O.05          | History of medicine                                     |  |  |  |   |   |   |
| B1.O.06          | Law   |  |  |  |   |   |   |
| B1.O.07          | Economy   |  |  |  |   |   |   |
| B1.O.08          | <b>Foreign language / Russian as a foreign language</b> |  |  |  |   |   |   |
| B1.O.08.DV.01.01 | Foreign language  |  |  |  |   |   |   |
| B1.O.08.DV.01.02 | Russian as a foreign language                           |  |  |  |   |   |   |
| B1.O.09          | Latin language  |  |  |  |   |   |   |
| B1.O.10          | Psychology, pedagogy                                    |  |  |  |   |   |   |
| B1.O.11          | Mathematics   | GPC-8.1; GPC-8.2; GPC-8.3  |  |  |   |   |   |
| B1.O.12          | Physics   | GPC-8.1; GPC-8.2; GPC-8.3  |  |  |   |   | GPC-13.1.; GPC-13.2   |
| B1.O.13          | Medical informatics                                     |  |  |  |   |   | GPC-13.1.; GPC-13.2   |
| B1.O.14          | Chemistry   |  |  |  |   |   |   |
| B1.O.15          | Biological chemistry - Cavity biochemistry mouth        |  | GPC-9.1; GPC-9.2; GPC-9.3  |  |   |   |   |
| B1.O.16          | Biology   | GPC-8.2  |  |  |   |   |   |
| B1.O.17          | Human anatomy - Anatomy of the head and of the neck     |  | GPC-9.3.   |  |   |   | GPC-13.1.   |

|         |  |  |                              |                        |  |          |           |
|---------|--|--|------------------------------|------------------------|--|----------|-----------|
| B1.O.18 | Histology, embryology, cytology -<br>Oral histology        |  | GPC-9.1; GPC-9.2;<br>OPC-9.3 |                        |  |          |           |
| B1.O.19 | Normal physiology, physiology<br>maxillofacial area        |  | GPC-9.1; GPC-9.2;<br>GPC-9.3 |                        |  |          |           |
| B1.O.20 | Microbiology, virology -<br>Oral microbiology              |  | GPC-9.1; GPC-9.2;<br>GPC-9.3 |                        |  |          |           |
| B1.O.21 | Immunology, clinical immunology                            |  |                              |                        |  |          |           |
| B1.O.22 | Organising general nursing care                            |  |                              | GPC-10.1; GPC-<br>10.3 |  |          |           |
| B1.O.23 | Pharmacology   |  |                              |                        |  |          | GPC-13.1. |
| B1.O.24 | Pathological anatomy - Pathanatomy of the<br>head and neck |  | GPC-9.3                      |                        |  |          |           |
| B1.O.25 | Pathophysiology - Pathophysiology<br>Head and neck         |  |                              |                        |  |          |           |
| B1.O.26 | Hygiene  |  |                              |                        |  |          |           |
| B1.O.27 | Public health and<br>Health                                |  |                              |                        |  |          |           |
| B1.O.28 | Epidemiology   |  |                              |                        |  |          |           |
| B1.O.29 | Internal medicine  |  |                              |                        |  |          |           |
| B1.O.30 | Clinical pharmacology                                      |  |                              |                        |  |          |           |
| B1.O.31 | General surgery  |  |                              |                        |  |          |           |
| B1.O.32 | Surgical diseases  |  |                              |                        |  |          |           |
| B1.O.33 | Radiological diagnosis                                     |  |                              |                        |  |          |           |
| B1.O.34 | Life safety  |  |                              |                        |  |          |           |
| B1.O.35 | Disaster medicine  |  |                              |                        |  |          |           |
| B1.O.36 | Infectious diseases, phthisiology                          |  |                              |                        |  |          |           |
| B1.O.37 | Dermatovenerology  |  |                              |                        |  |          |           |
| B1.O.38 | Neurology  |  |                              |                        |  |          |           |
| B1.O.39 | Psychiatry and drug treatment                              |  |                              |                        |  |          |           |
| B1.O.40 | Otorhinolaryngology  |  |                              |                        |  |          |           |
| B1.O.41 | Ophthalmology  |  |                              |                        |  |          |           |
| B1.O.42 | Forensic medicine  |  |                              |                        |  |          |           |
| B1.O.43 | Obstetrics   |  |                              |                        |  |          |           |
| B1.O.44 | Paediatrics  |  |                              |                        |  | GPC-12.1 |           |
| B1.O.45 | Prevention and communal<br>Dentistry                       |  |                              |                        |  |          |           |
| B1.O.46 | Propaedeutics of dentistry<br>diseases                     |  |                              |                        |  |          |           |
| B1.O.47 | Caries and hard tissue disease<br>tooth tissue             |  |                              |                        |  |          |           |
| B1.O.48 | Endodontics  |  |                              |                        |  |          |           |

|                  |   |                  |                              |  |  |  |  |
|------------------|---|------------------|------------------------------|--|--|--|--|
| B1.O.49          | Gerontostomatology and diseases oral mucosa                                 |                  |                              |  |  |  |  |
| B1.O.50          | Periodontology  |                  |                              |  |  |  |  |
| B1.O.51          | Local anaesthesia and anaesthesiology in dentistry                          |                  | GPC-9.1; GPC-9.2             |  |  |  |  |
| B1.O.52          | Oral surgery  |                  | GPC-9.1; GPC-9.2             |  |  |  |  |
| B1.O.53          | Gnathology and functional diagnosis of the temporomandibular joint          |                  |                              |  |  |  |  |
| B1.O.54          | Dental prosthetics (simple prosthetics)                                     |                  |                              |  |  |  |  |
| B1.O.55          | Prosthetics for total absence teeth   |                  |                              |  |  |  |  |
| B1.O.56          | Rectangular prosthetics (complex prosthetics)                               |                  |                              |  |  |  |  |
| B1.O.57          | Materials science   | GPC-8.1          |                              |  |  |  |  |
| B1.O.58          | Maxillofacial and gnathic surgery   |                  | GPC-9.1; GPC-9.2             |  |  |  |  |
| B1.O.59          | Diseases of the head and neck   |                  | GPC-9.1; GPC-9.2             |  |  |  |  |
| B1.O.60          | Pediatric maxillofacial surgery   |                  |                              |  |  |  |  |
| B1.O.61          | Maxillofacial prosthetics   |                  |                              |  |  |  |  |
| B1.O.62          | Pediatric dentistry   |                  | GPC-9.1; GPC-9.2;<br>GPC-9.3 |  |  |  |  |
| B1.O.63          | Orthodontics and paediatric prosthetics                                     |                  | GPC-9.1; GPC-9.2;<br>GPC-9.3 |  |  |  |  |
| B1.O.64          | Physical education and sport  |                  |                              |  |  |  |  |
|                  | <b>Part made up of participants in the educational relationship</b>         |                  |                              |  |  |  |  |
| B1.B.01          | <i>Foreign language (professional level) / Russian (professional level)</i> |                  |                              |  |  |  |  |
| B1.B.01.01.01    | Foreign language (professional level)                                       |                  |                              |  |  |  |  |
| B1.B.01.DV.01.02 | Russian language (professional language level)                              |                  |                              |  |  |  |  |
| B1.B.02          | Russian language and culture of speech                                      |                  |                              |  |  |  |  |
| B1.B.03          | Innovative technologies in of dentistry                                     | GPC-8.1; GPC-8.2 |                              |  |  |  |  |
| B1.B.04          | Topographical anatomy and operative Head and neck surgery                   |                  |                              |  |  |  |  |
| B1.B.05          | Emergency conditions in outpatient care in dental practice                  |                  |                              |  |  |  |  |

|                 |   |                  |                  |  |  |                    |  |
|-----------------|---|------------------|------------------|--|--|--------------------|--|
| B1.B.06         | Physiotherapy for dental care diseases  | GPC-8.1; GPC-8.2 |                  |  |  |                    |  |
| B1.B.07         | Medical genetics in dentistry   |                  |                  |  |  |                    |  |
| B1.B.08         | Medical rehabilitation  |                  |                  |  |  |                    |  |
| B1.B.09         | Clinical dentistry  |                  |                  |  |  | GPC-12.1; GPC-12.2 |  |
| B1.B.10         | Implantology and reconstructive oral surgery  |                  | GPC-9.1; GPC-9.2 |  |  |                    |  |
| B1.B.11         | Oncological dentistry and radiotherapy  |                  |                  |  |  |                    |  |
| B1.B.12         | Elective courses in physical education<br>Culture and sport   |                  |                  |  |  |                    |  |
| B1.B.DV.01      | <b><i>Elective courses (modules) 1 (DV.1)</i></b>   |                  |                  |  |  |                    |  |
| B1.B.DV.01.01   | Chemistry of biogenic elements  |                  |                  |  |  |                    |  |
| B1.B.DV.01.02   | Dental modelling of teeth   | GPC-8.2          |                  |  |  |                    |  |
| B1.B.DV.02      | <b><i>Elective courses (modules) 2 (DV.2)</i></b>   |                  |                  |  |  |                    |  |
| B1.B.DV.02.01   | Medical Elementology  |                  |                  |  |  |                    |  |
| B1.B.DV.02.02   | Bioelements in medicine   |                  |                  |  |  |                    |  |
| B1.B.DV.03      | <b><i>Elective courses (modules) 3 (DV.3)</i></b>   |                  |                  |  |  |                    |  |
| B1.B.DV.03.01   | 3D technology in dentistry  |                  |                  |  |  |                    |  |
| B1.B.DV.03.02   | CAD/CAM technology in dentistry   |                  |                  |  |  |                    |  |
| B1.B.DV.04      | <b><i>Elective courses (modules) 4 (DV.4)</i></b>   |                  |                  |  |  |                    |  |
| B1.B.DV.04.01   | Modern endodontics  |                  |                  |  |  |                    |  |
| B1.B.DV.04.02   | Aesthetic dental restorations   |                  |                  |  |  |                    |  |
| <b>Block 2.</b> | <b>Practice</b>   |                  |                  |  |  |                    |  |
|                 | <b>Mandatory part</b>   |                  |                  |  |  |                    |  |
| B2.O.01(U)      | Orientation practice  |                  |                  |  |  |                    |  |
| B2.O.02(U)      | Practice for acquiring basic professional skills in nursing positions<br>Staff (Ward and Procedure Nurse Assistant) |                  |                  |  |  |                    |  |
| B2.O.03(P)      | Dental assistant (hygienist)  |                  |                  |  |  |                    |  |
| B2.O.04(P)      | Dental assistant (surgeon)  |                  |                  |  |  |                    |  |
| B2.O.05(P)      | Dental assistant (general practitioner)   |                  |                  |  |  |                    |  |
| B2.O.06(P)      | Dental (orthopaedic) assistant  |                  |                  |  |  |                    |  |
| B2.O.07(P)      | Dental assistant (paediatric)   |                  |                  |  |  |                    |  |



|                 |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|
| B2.O.08(P)      | Dental assistant (general practitioner), incl. research work  |   |   |   |   |   |   |
| <b>Block 3.</b> | <b>State final certification</b>                              |   |   |   |   |   |   |
| Б3.01           | <b>Preparing to take and passing the national examination</b> | + | + | + | + | + | + |

| Code             | Courses/modules that form students' competences         | Professional competences  |   |   |   |
|------------------|---|---|---|---|---|
|                  |   | PC-1<br>Able to examine a patient in order to establish a diagnosis | PC-2<br>Able to prescribe, monitor the effectiveness and safety of non-pharmacological and drug treatment | PC-3<br>Able to design, implement and monitor the effectiveness of individual rehabilitation programmes | PC-4<br>Capable of carrying out and monitoring the effectiveness of sanitary-epidemiological and other preventive measures public health measures |
| <b>Block 1.</b>  | <b>Disciplines (modules)</b>                            |   |   |   |   |
|                  | <b>Mandatory part</b>                                   |   |   |   |   |
| B1.O.01          | Bioethics   |   |   |   |   |
| B1.O.02          | Introduction to the specialty                           |   |   |   |   |
| B1.O.03          | Philosophy  |   |   |   |   |
| B1.O.04          | History (Russian history, general history)              |   |   |   |   |
| B1.O.05          | History of medicine                                     |   |   |   |   |
| B1.O.06          | Law   |   |   |   |   |
| B1.O.07          | Economy   |   |   |   |   |
| B1.O.08          | <i>Foreign language / Russian as a foreign language</i> |   |   |   |   |
| B1.O.08.DV.01.01 | Foreign language  |   |   |   |   |
| B1.O.08.DV.01.02 | Russian as a foreign language                           |   |   |   |   |
| B1.O.09          | Latin language  |   |   |   |   |
| B1.O.10          | Psychology, pedagogy                                    |   |   |   |   |
| B1.O.11          | Mathematics   |   |   |   |   |
| B1.O.12          | Physics   |   |   |   |   |
| B1.O.13          | Medical informatics                                     |   |   |   |   |
| B1.O.14          | Chemistry   |   |   |   |   |
| B1.O.15          | Biological chemistry - Cavity biochemistry mouth        |   |   |   |   |
| B1.O.16          | Biology   |   |   |   |   |
| B1.O.17          | Human anatomy - Anatomy of the head and of the neck     |   |   |   |   |
| B1.O.18          | Histology, embryology, cytology - Oral histology        |   |   |   |   |
| B1.O.19          | Normal physiology, physiology maxillofacial area        |   |   |   |   |
| B1.O.20          | Microbiology, virology - Oral microbiology              |   |   |   |   |

|         |  |   |                                   |                |                                |
|---------|--|---|-----------------------------------|----------------|--------------------------------|
| B1.O.21 | Immunology, clinical immunology                            | PC-1.1; RC-1.2; RC-1.3;<br>PC-1.4; PC-1.5; PC-1.6 |                                   |                |                                |
| B1.O.22 | Organising general nursing care                            |   | PC-2.12; PC-2.13                  |                |                                |
| B1.O.23 | Pharmacology   |   |                                   |                |                                |
| B1.O.24 | Pathological anatomy - Patanatomy<br>Head and neck         | PC-1.5  |                                   |                |                                |
| B1.O.25 | Pathophysiology - Pathophysiology of the head<br>and necks |   |                                   |                |                                |
| B1.O.26 | Hygiene  |   |                                   |                |                                |
| B1.O.27 | Public health and health care                              |   |                                   |                |                                |
| B1.O.28 | Epidemiology   |   |                                   |                | PC-4.1                         |
| B1.O.29 | Internal medicine  |   |                                   |                |                                |
| B1.O.30 | Clinical pharmacology                                      |   |                                   |                |                                |
| B1.O.31 | General surgery  |   |                                   |                |                                |
| B1.O.32 | Surgical diseases  |   |                                   |                |                                |
| B1.O.33 | Radiological diagnosis                                     |   |                                   |                |                                |
| B1.O.34 | Life safety  |   |                                   |                |                                |
| B1.O.35 | Disaster medicine  |   |                                   |                |                                |
| B1.O.36 | Infectious diseases, phthisiology                          |   | PC-2.8; PC-2.10                   |                |                                |
| B1.O.37 | Dermatovenerology  |   |                                   |                |                                |
| B1.O.38 | Neurology  |   |                                   |                |                                |
| B1.O.39 | Psychiatry and drug treatment                              |   |                                   |                |                                |
| B1.O.40 | Otorhinolaryngology  | PC-1.1; PC-1.2                                    |                                   |                |                                |
| B1.O.41 | Ophthalmology  |   |                                   |                |                                |
| B1.O.42 | Forensic medicine  |   |                                   |                |                                |
| B1.O.43 | Obstetrics   |   |                                   |                |                                |
| B1.O.44 | Paediatrics  |   |                                   |                |                                |
| B1.O.45 | Prevention and communal<br>Dentistry                       |   |                                   |                | PC-4.1; PC-4.2; PC-4.3; PC-4.4 |
| B1.O.46 | Propaedeutics of dental diseases                           | PC-1.1  | PC-2.4                            |                |                                |
| B1.O.47 | Caries and hard tissue disease<br>tooth tissue             | PC-1.1; PC-1.2; PC-1.3                            | PC-2.1; PC-2.2; PC-2.3;<br>PC-2.4 |                |                                |
| B1.O.48 | Endodontics  | PC-1.1; PC-1.2; PC-1.3                            | PC-2.1; PC-2.2; PC-2.3;<br>PC-2.4 |                |                                |
| B1.O.49 | Gerontostomatology and diseases<br>oral mucosa             | PC-1.1; PC-1.2; PC-1.3                            | PC-2.1; PC-2.2; PC-2.3;<br>PC-2.4 |                |                                |
| B1.O.50 | Periodontology   | PC-1.1; PC-1.2; PC-1.3                            | PC-2.1; PC-2.2; PC-2.3;<br>PC-2.4 |                |                                |
| B1.O.51 | Local anaesthesia and anaesthesiology in<br>of dentistry   | PC-1.1; PC-1.2                                    | PC-2.1; PC-2.2                    | PC-3.1; PC-3.2 |                                |
| B1.O.52 | Oral surgery   | PC-1.1; PC-1.2                                    | PC-2.1; PC-2.2                    | PC-3.1; PC-3.2 |                                |

|                  |   |  |  |                |  |
|------------------|---|--|--|----------------|--|
| B1.O.53          | Gnathology and functional diagnosis temporal mandibular joint   | PC-1.1; PC-1.2; PC-1.3; PC-1.4; PC-1.5 | PC-2.6   |                |  |
| B1.O.54          | Dental prosthetics (simple prosthetics)   | PC-1.1; PC-1.2; PC-1.3; PC-1.4; PC-1.5 | PC-2.6   |                |  |
| B1.O.55          | Prosthetics for total absence teeth   | PC-1.1; PC-1.2; PC-1.3; PC-1.4; PC-1.5 | PC-2.6   |                |  |
| B1.O.56          | Rectangular prosthetics (complex prosthetics)   | PC-1.1; PC-1.2; PC-1.3; PC-1.4; PC-1.5 | PC-2.6   |                |  |
| B1.O.57          | Materials science   |  |  |                |  |
| B1.O.58          | Maxillofacial and gnathic surgery   | PC-1.1; PC-1.2                         | PC-2.1; PC-2.2   | PC-3.1; PC-3.2 |  |
| B1.O.59          | Diseases of the head and neck   | PC-1.1; PC-1.2                         | PC-2.1; PC-2.2   | PC-3.1; PC-3.2 |  |
| B1.O.60          | Pediatric maxillofacial surgery   | PC-1.1; PC-1.2; PC-1.3; PC-1.4; PC-1.5 | PC-2.6   |                |  |
| B1.O.61          | Maxillofacial prosthetics   | PC-1.1; PC-1.2; PC-1.3; PC-1.4; PC-1.5 | PC-2.6   |                |  |
| B1.O.62          | Pediatric dentistry   | PC-1.1; PC-1.2; PC-1.3; PC-1.5; PC-1.6 | PC-2.1; PC-2.2; PC-2.3; PC-2.4; PC-2.5; PC-2.8; PC-2.9 |                |  |
| B1.O.63          | Orthodontics and paediatric prosthetics   | PC-1.1; PC-1.2; PC-1.3; PC-1.5; PC-1.6 | PC-2.1; PC-2.2; PC-2.3; PC-2.4; PC-2.5; PC-2.8; PC-2.9 |                |  |
| B1.O.64          | Physical education and sport  |  |  |                |  |
|                  | <b>Part made up of participants in the educational relationship</b>   |  |  |                |  |
| B1.B.01          | <i>Foreign language (professional Russian language (professional level) / Russian language (professional level)</i> |  |  |                |  |
| B1.B.01.01.01    | Foreign language (professional level)   |  |  |                |  |
| B1.B.01.DV.01.02 | Russian language (professional level)   |  |  |                |  |
| B1.B.02          | Russian language and culture of speech  |  |  |                |  |
| B1.B.03          | Innovative technologies in of dentistry   |  | PC-2.2   |                |  |
| B1.B.04          | Topographical anatomy and operative Head and neck surgery   |  |  |                |  |
| B1.B.05          | Emergency conditions in outpatient care in dental practice  |  |  |                |  |
| B1.B.06          | Physiotherapy for dental diseases   |  | PC-2.2; PC-2.13  |                |  |
| B1.B.07          | Medical genetics in dentistry   | PC-1.1; PC-1.2; PC-1.3; PC-1.4; PC-1.5 | PC-2.6   |                |  |
| B1.B.08          | Medical rehabilitation  |  |  |                |  |
| B1.B.09          | Clinical dentistry  |  | PC-2.3   |                |  |

|                 |   |                |                |                |   |
|-----------------|---|----------------|----------------|----------------|---|
| B1.B.10         | Implantology and reconstructive oral surgery  | PC-1.1; PC-1.2 | PC-2.1; PC-2.2 | PC-3.1; PC-3.2 |   |
| B1.B.11         | Oncological dentistry and radiotherapy  | PC-1.4; PC-1.5 |                |                |   |
| B1.B.12         | Elective courses in physical education and sports   |                |                |                |   |
| B1.B.DV.01      | <b>Elective courses (modules) 1 (DV.1)</b>  |                |                |                |   |
| B1.B.DV.01.01   | Chemistry of biogenic elements  |                |                |                |   |
| B1.B.DV.01.02   | Dental modelling of teeth   |                |                |                |   |
| B1.B.DV.02      | <b>Elective courses (modules) 2 (DV.2)</b>  |                |                |                |   |
| B1.B.DV.02.01   | Medical Elementology  |                |                |                |   |
| B1.B.DV.02.02   | Bioelements in medicine   |                |                |                |   |
| B1.B.DV.03      | <b>Elective courses (modules) 3 (DV.3)</b>  |                |                |                |   |
| B1.B.DV.03.01   | 3D technology in dentistry  | PC-1.3.        |                |                |   |
| B1.B.DV.03.02   | CAD/CAM technology in dentistry   |                | PC-2.6.        |                |   |
| B1.B.DV.04      | <b>Elective courses (modules) 4 (DV.4)</b>  |                |                |                |   |
| B1.B.DV.04.01   | Modern endodontics  |                |                |                |   |
| B1.B.DV.04.02   | Aesthetic dental restorations   |                |                |                |   |
| <b>Block 2.</b> | <b>Practice</b>   |                |                |                |   |
|                 | <b>Mandatory part</b>   |                |                |                |   |
| B2.O.01(U)      | Orientation practice  |                |                |                |   |
| B2.O.02(U)      | Practice for acquiring basic professional skills in nursing positions<br>Staff (Ward and Procedure Nurse Assistant) |                |                |                |   |
| B2.O.03(P)      | Dental assistant (hygienist)  |                |                |                |   |
| B2.O.04(P)      | Dental assistant (surgeon)  |                |                |                |   |
| B2.O.05(P)      | Dental assistant (general practitioner)   |                |                |                |   |
| B2.O.06(P)      | Dental (orthopaedic) assistant  |                |                |                |   |
| B2.O.07(P)      | Dental assistant (pediatric)  |                |                |                |   |
| B2.O.08(P)      | Dental assistant (general practice), including research work  |                |                |                |   |
| <b>Block 3.</b> | <b>State final certification</b>  |                |                |                |   |
| E3.01           | <b>Preparing to take and passing a state examination</b>  | +              | +              | +              | + |

| Code             | Courses/modules that form students' competences         | Professional competences   |   |   |
|------------------|---|--|---|---|
|                  |   | PC-5<br>Able to provide health education to the public and health care professionals to promote healthy lifestyles | PC-6<br>Able to analyse and publicly present medical information based on evidence-based medicine, to participate in scientific research, to implement new methods and techniques aimed at protecting public health | PC-7<br>Able to carry out organisational and managerial activities. |
| <b>Block 1.</b>  | <b>Disciplines (modules)</b>                            |  |   |   |
|                  | <b>Mandatory part</b>                                   |  |   |   |
| B1.O.01          | Bioethics   |  |   |   |
| B1.O.02          | Introduction to the specialty                           |  |   |   |
| B1.O.03          | Philosophy  |  |   |   |
| B1.O.04          | History (Russian history, general history story)        |  |   |   |
| B1.O.05          | History of medicine                                     |  |   |   |
| B1.O.06          | Law   |  |   |   |
| B1.O.07          | Economy   |  |   |   |
| B1.O.08          | <b>Foreign language / Russian as a foreign language</b> |  |   |   |
| B1.O.08.DV.01.01 | Foreign language  |  |   |   |
| B1.O.08.DV.01.02 | Russian as a foreign language                           |  |   |   |
| B1.O.09          | Latin language  |  |   |   |
| B1.O.10          | Psychology, pedagogy                                    | PC-5.1; PC-5.2   |   |   |
| B1.O.11          | Mathematics   |  |   |   |
| B1.O.12          | Physics   |  |   |   |
| B1.O.13          | Medical informatics                                     |  |   |   |
| B1.O.14          | Chemistry   |  |   |   |
| B1.O.15          | Biological chemistry - Cavity biochemistry mouth        |  |   |   |
| B1.O.16          | Biology   |  |   |   |
| B1.O.17          | Human anatomy - Anatomy of the head and of the neck     |  |   |   |
| B1.O.18          | Histology, embryology, cytology - Oral histology        |  |   |   |
| B1.O.19          | Normal physiology, physiology maxillofacial area        |  |   |   |

|         |   |                |                        |   |
|---------|---|----------------|------------------------|---|
| B1.O.20 | Microbiology, virology -<br>Oral microbiology                       |                |                        |   |
| B1.O.21 | Immunology, clinical immunology                                     |                | PC-6.1; PC-6.2; PC-6.3 | PC-7.1; PC-7.2; PC-7.3; PC-7.4;<br>PC-7.5 |
| B1.O.22 | Organising general nursing care                                     |                |                        | PC-7.2                                    |
| B1.O.23 | Pharmacology  |                | PC-6.1; PC-6.2; PC-6.3 |   |
| B1.O.24 | Pathological anatomy - Patanatomy<br>Head and neck                  |                |                        |   |
| B1.O.25 | Pathophysiology - Pathophysiology of the head<br>and<br>of the neck |                |                        |   |
| B1.O.26 | Hygiene   | PC-5.1; PC-5.2 |                        |   |
| B1.O.27 | Public health and health care                                       | PC-5.1; PC-5.2 |                        | PC-7.1; PC-7.2; PC-7.3; PC-7.4;<br>PC-7.5 |
| B1.O.28 | Epidemiology  |                |                        |   |
| B1.O.29 | Internal medicine   |                |                        |   |
| B1.O.30 | Clinical pharmacology   |                |                        |   |
| B1.O.31 | General surgery   |                |                        |   |
| B1.O.32 | Surgical diseases   |                |                        |   |
| B1.O.33 | Radiological diagnosis  |                |                        |   |
| B1.O.34 | Life safety   |                |                        |   |
| B1.O.35 | Disaster medicine   |                |                        |   |
| B1.O.36 | Infectious diseases, phthisiology                                   |                |                        |   |
| B1.O.37 | Dermatovenerology   |                |                        |   |
| B1.O.38 | Neurology   |                |                        |   |
| B1.O.39 | Psychiatry and drug treatment                                       |                |                        |   |
| B1.O.40 | Otorhinolaryngology   |                |                        |   |
| B1.O.41 | Ophthalmology   |                |                        |   |
| B1.O.42 | Forensic medicine   |                |                        |   |
| B1.O.43 | Obstetrics  |                |                        |   |
| B1.O.44 | Paediatrics   |                |                        |   |
| B1.O.45 | Prevention and communal<br>Dentistry                                | PC-5.1; PC-5.2 |                        |   |
| B1.O.46 | Propaedeutics of dentistry<br>diseases                              |                |                        | PC-7.1                                    |
| B1.O.47 | Caries and hard tissue disease<br>teeth                             |                |                        |   |
| B1.O.48 | Endodontics   |                |                        |   |
| B1.O.49 | Gerontostomatology and oral mucosal diseases                        |                |                        |   |
| B1.O.50 | Periodontology  |                |                        |   |

|                  |  |                |        |  |
|------------------|--|----------------|--------|--|
| B1.O.51          | Local anaesthesia and anaesthesiology in of dentistry                                | PC-5.1; PC-5.2 |        |  |
| B1.O.52          | Oral surgery   | PC-5.1; PC-5.2 |        |  |
| B1.O.53          | Gnathology and functional diagnosis of the temporomandibular joint                   |                | PC-6.1 |  |
| B1.O.54          | Dental prosthetics (simple prosthetics)  |                | PC-6.1 |  |
| B1.O.55          | Prosthetics for total absence teeth  |                | PC-6.1 |  |
| B1.O.56          | Rectangular prosthetics (complex prosthetics)  |                | PC-6.1 |  |
| B1.O.57          | Materials science  |                |        |  |
| B1.O.58          | Maxillofacial and gnathic surgery  | PC-5.1; PC-5.2 |        |  |
| B1.O.59          | Diseases of the head and neck  | PC-5.1; PC-5.2 |        |  |
| B1.O.60          | Pediatric maxillofacial surgery  |                | PC-6.1 |  |
| B1.O.61          | Maxillofacial prosthetics  |                | PC-6.1 |  |
| B1.O.62          | Pediatric dentistry  | PC-5.1.        |        |  |
| B1.O.63          | Orthodontics and paediatric prosthetics  | PC-5.1.        |        |  |
| B1.O.64          | Physical education and sport   |                |        |  |
|                  | <b>Part made up of participants in the educational relationship</b>                  |                |        |  |
| B1.B.01          | <i>Foreign language (professional level) / Russian language (professional level)</i> |                |        |  |
| B1.B.01.01.01    | Foreign language (professional level)  |                |        |  |
| B1.B.01.DV.01.02 | Russian language (professional level)  |                |        |  |
| B1.B.02          | Russian language and culture of speech   |                |        |  |
| B1.B.03          | Innovative technologies in dentistry   |                |        |  |
| B1.B.04          | Topographical anatomy and operative Head and neck surgery                            |                |        |  |
| B1.B.05          | Emergency conditions in outpatient care in dental practice                           |                |        |  |
| B1.B.06          | Physiotherapy for dental diseases  |                |        |  |
| B1.B.07          | Medical genetics in dentistry  |                | PC-6.1 |  |
| B1.B.08          | Medical rehabilitation   |                |        |  |
| B1.B.09          | Clinical dentistry   |                | PC-6.3 |  |
| B1.B.10          | Implantology and reconstructive oral surgery   | PC-5.1; PC-5.2 |        |  |
| B1.B.11          | Oncological dentistry and radiotherapy   |                |        |  |



|                 |   |   |   |   |
|-----------------|---|---|---|---|
| B1.B.12         | Elective courses in physical education and sports   |   |   |   |
| B1.B.DV.01      | <b>Elective courses (modules) 1 (DV.1)</b>  |   |   |   |
| B1.B.DV.01.01   | Chemistry of biogenic elements  |   |   |   |
| B1.B.DV.01.02   | Dental modelling of teeth   |   |   |   |
| B1.B.DV.02      | <b>Elective courses (modules) 2 (DV.2)</b>  |   |   |   |
| B1.B.DV.02.01   | Medical Elementology  |   |   |   |
| B1.B.DV.02.02   | Bioelements in medicine   |   |   |   |
| B1.B.DV.03      | <b>Elective courses (modules) 3 (DV.3)</b>  |   |   |   |
| B1.B.DV.03.01   | 3D technology in dentistry  |   |   |   |
| B1.B.DV.03.02   | CAD/CAM technology in dentistry   |   |   |   |
| B1.B.DV.04      | <b>Elective courses (modules) 4 (DV.4)</b>  |   |   |   |
| B1.B.DV.04.01   | Modern endodontics  |   |   |   |
| B1.B.DV.04.02   | Aesthetic dental restorations   |   |   |   |
| <b>Block 2.</b> | <b>Practice</b>   |   |   |   |
|                 | <b>Mandatory part</b>   |   |   |   |
| B2.O.01(U)      | Orientation practice  |   |   |   |
| B2.O.02(U)      | Practice for acquiring basic professional skills in nursing positions<br>Staff (Ward and Procedure Nurse Assistant) |   |   |   |
| B2.O.03(P)      | Dental assistant (hygienist)  |   |   |   |
| B2.O.04(P)      | Dental assistant (surgeon)  |   |   |   |
| B2.O.05(P)      | Dental assistant (general practitioner)   |   |   |   |
| B2.O.06(P)      | Dental (orthopaedic) assistant  |   |   |   |
| B2.O.07(P)      | Dental assistant (paediatric)   |   |   |   |
| B2.O.08(P)      | Dental assistant (general dentist Practices), including research work   |   |   |   |
| <b>Block 3.</b> | <b>State final certification</b>  |   |   |   |
| E3.01           | <b>Preparing to take and passing the national examination</b>   | + | + | + |