







**IV. Practical sessions**

Name of practical sessions	Semester	Week	Credits
1. Dental Prosthetic	2	2	3

**V. Work experience practical training**

Name of the practical course	Semester	Week	Credits
1. Nursing	4	2	3
2. Medical Outpatient Practice (Preventive Dentistry)	4	2	3
3. Medical Outpatient Practice (Therapeutic Pediatric Dentistry)	6	2	3
4. Medical Outpatient Practice (Therapeutic Dentistry)	6	2	3
5. Medical Outpatient Practice (Prosthodontics)	8	2	3
6. Medical Inpatient practice (Oral and Maxillofacial Surgery)	8	2	3
7. Medical Inpatient practice (Oral and Maxillofacial Pediatric Surgery)	10	1	1

**VI. Final academic assessment**

State exam:
1. Therapeutic Dentistry
2. Prosthodontics, Oral and Maxillofacial Surgery

**VII. Competence matrix**

Competency code	Title of the Competency	Module code, discipline code
UC-1	Master the basics of research, be able to search, analyze and synthesize information in medicine and biology	1.3.1
UC-2	Solve standard tasks of professional activity based on the use of information and communication technologies	1.3.1
UC-3	Be able to communicate in the state or foreign language to solve problems of interpersonal and professional interaction	1.2.1
UC-5	Be capable of self-development and self-improvement in professional activities	1.3
UC-6	Take initiative and adapt to changes in professional activities	1.3
UC-8	Have a modern way of thinking, be able to use the basics of philosophical knowledge in professional activities	1.1.2
UC-9	Possess modern culture of thinking, humanistic worldview, analytical, innovative and critical style of cognitive, social, practical and communicative activity; use the fundamentals of philosophy knowledge in direct professional activity; independently master philosophy knowledge and build an individual worldview position on its basis	1.1.1
UC-11	Have the ability to analyze the processes of state building in different historical periods, identify the factors and mechanisms of historical changes, determine the socio-political significance of historical events (personalities, artifacts and symbols) for modern Belarusian statehood, perfectly use the identified patterns in the process of forming civil identity	1.2.2
UC-14	Possess health-preserving skills	3.3
BPC-1	Work with optical devices, compile a human(patient) lineage, solve problems in molecular biology, general and medical genetics	1.4.1
BPC-2	Apply the basic biophysical patterns and knowledge concerning the general principles of medical equipment functioning to solve the problems of professional activity	1.4.2
BPC-3	While providing medical care use knowledge about the patterns of the human body development and anatomical structure, its systems and organs, taking into account age, gender and individual characteristics	1.5.1
BPC-4	While providing medical care use knowledge about the structure of the human body at tissue, cellular and subcellular levels, human embryogenesis and its pathology	1.5.2
BPC-5	Use knowledge about the chemical bases of the processes of tooth enamel demineralization and remineralization, modern chemical and physicochemical methods of analysis of biological fluids, solutions of medicinal substances and biopolymers to make calculations based on the conducted research	1.6.1
BPC-6	Assess the properties of natural and synthetic organic compounds, potentially dangerous substances for the human body, predict their behavior in different biological environment	1.6.2
BPC-7	Assess the indicators of a healthy and sick person physiological state on the basis of knowledge about the patterns of functioning and regulation of the human body vital activity, its organs and systems	1.7.2
BPC-8	Use knowledge about the laws of the environmental factors impact on human health, apply methods of hygienic assessment of the human environment to develop basic preventive health-preserving measures	1.9
BPC-9	Use knowledge about the pharmacological properties of medicines, to possess the principles of choosing rational pharmacotherapy for dental diseases and for preventive purposes	1.10.3, 1.12.6
BPC-10	Apply regulatory legal acts to regulate legal relations in the field of healthcare, pre-trial regulation of disputes between subjects of medical legal relations, analysis of corruption risks, prevention of corruption violations	1.3
BPC-11	Use psychological and pedagogical knowledge about the goals and types of communication, the organization of the communicative process in healthcare, apply effective communication methods in resolving conflict situations in medicine	1.3
BPC-12	Use knowledge about the main characteristics of microorganisms that cause human infectious diseases, the laws of the immune system functioning, the mechanisms of disease development during microbiological diagnostics, use knowledge about the basics of oral infections etiopathogenesis during prevention, rational antiseptics and chemotherapy in dentistry	1.9.4
BPC-13	Use knowledge about the risks of radiation and environmentally caused pathology, apply methods to reduce radiation and environmental loads on the population	1.9
BPC-14	Use knowledge about the laws of the epidemic process, methods of its study, prevention and immunoprophylaxis of infectious diseases, to apply methods of organizing and carrying out disinfection and sterilization of medical equipment	1.9.3
BPC-15	Use knowledge about the etiology, pathogenesis, morphological features of general pathological processes and diseases at different stages of development (morphogenesis), apply morphological research methods	1.10.1
BPC-16	Use knowledge about the etiology and pathogenesis of general pathological processes, typical forms of the human body organs and systems pathology while conducting pathophysiological assessment of the laboratory investigation data	1.10.2
BPC-17	Provide first aid in accidents, injuries, bleeding, poisoning and other conditions threatening human life and health	1.3
BPC-18	Identify the main anatomical structures (vessels, nerves, muscles and bones) in the head and neck; use general surgical instruments when putting various types of surgical sutures	1.5.3
BPC-19	Use knowledge about the molecular basis of vital activity processes in the human body in normal and pathological conditions, apply the principles of biochemical methods for diagnosing diseases, the main methods of biochemical research	1.7.1
BPC-20	Examine patients' condition applying radiation diagnostic methods, identify the main radiation symptoms and syndromes of human diseases applying the combined radiation imaging techniques and radiation therapy	1.11.1
BPC-21	Organize and provide medical assistance in emergency situations	1.11.2
BPC-22	Use knowledge about the etiology and pathogenesis, clinical manifestations, complications, methods of diagnosis and differential diagnosis, apply the principles of treatment and prevention in diseases and injuries in adults and children, provide medical care in emergency conditions	1.11.3, 1.11.4, 1.12.1, 1.12.3, 1.13

Competency code	Title of the Competency	Module code, discipline code
BPC-23	Conduct a neurological examination, apply modern diagnostic technologies, methods of differential diagnosis in neurostomatological diseases	1.12.2
BPC-24	Conduct forensic medical examination of corpses and living persons, examine the corpse at the site of its discovery (accident)	1.12.4
BPC-25	Recognize common mental disorders (diseases) and apply methods of their prevention	1.12.5
BPC-26	Use knowledge about the composition and properties of structural and auxiliary dental materials, technological processes used at the clinical and laboratory stages of manufacturing orthopedic structures	1.8.1
BPC-27	Work with filling and structural materials, apply methods of restoration of teeth hard tissues, dissect hard tissues of teeth during therapeutic interventions and the manufacture of orthopedic structures	1.8.2
SC-1	Apply methods of prevention of the dental system diseases, organs and tissues of the oral cavity in children and adults, to conduct sanitary and hygienic education of the population	2.1.1
SC-2	Conduct examination, apply diagnostic methods, differential diagnostics, formulate a clinical diagnosis, apply modern technologies for the treatment and prevention of caries and its complications (pulpitis, periodontitis), other diseases of the hard tissues of the teeth, the oral mucosa in adults; define a comprehensive plan of dental treatment	2.2
SC-3	Apply basic and additional methods of diagnosis, prognosis, treatment and prevention of periodontal diseases based on knowledge about the mechanism of development, classification of periodontal diseases; define the final comprehensive plan of dental treatment and prevention of periodontal diseases in adults in cooperation with specialists from different dental and medical fields	2.3
SC-4	Conduct examination, apply diagnostic methods, modern technologies of treatment and rehabilitation of patients with defects of teeth hard tissues and partial secondary adentia, patients with complete loss of teeth and the basics of temporary and permanent splinting of teeth with the use of fixed and removable orthopedic structures for periodontal tissue diseases, patients with complex maxillofacial pathology at the in-patient department	2.4
SC-5	Conduct examination of patients with pathology of the maxillofacial region, apply methods of anesthesia in maxillofacial surgery and dentistry, apply methods of dental surgery, methods of diagnosis and treatment of patients with odontogenic and non-odontogenic inflammatory processes of the maxillofacial region at the outpatient department, diagnostics of odontogenic diseases of the maxillary sinuses	2.5.1
SC-6	Apply modern methods of clinical, additional, special diagnostics of surgical diseases of the maxillofacial region, modern principles of surgical treatment in maxillofacial surgery and surgical dentistry	2.5.2
SC-7	Conduct examination, apply methods of diagnosis, prevention and treatment of major dental and surgical diseases of the maxillofacial region in children	2.6
SC-8	Apply diagnostic methods of dental anomalies, instrument, orthopedic and functional methods of treatment in orthodontics, plan the design of orthodontic devices depending on the pathology of the dental system	2.7
SC-9	Apply methods for calculating, analyzing and predicting public health indicators, use knowledge about the principles, types, forms and conditions of providing medical care to the population, conduct statistical analysis of the healthcare organizations activities	2.8.1
SC-10	Apply methods of epidemiological examination of the population, caries prognosis, develop programs of communal prevention of dental diseases for various age groups; evaluate the quality of dental care at the individual and communal level using national and international criteria	2.8.2
SC-11	Apply additional diagnostic methods and to provide medical care for dental diseases in adults and children within the framework of in-depth academic disciplines study of the specialty educational modules	3.1

Developed on the basis of the standard Curriculum for the specialty 1-79 01 07 Stomatology. Registration № L 79-1-004/пр-тип.

<sup>1</sup> It is allowed to combine practical sessions with theoretical training.

<sup>2</sup> The list of additional courses are approved by the Order of Higher Educational Institution.

Abbreviations: d - differentiated credit tests; UC - universal competence; BPC - basic professional competence; SC - specialized competence

First Vice-Rector

Irina Moroz

17.05.2022

Head of Education Department

Natallia Fomchenko

17.05.2022

Dean of the Medical Faculty for International Students

Oleg Ishutin

17.05.2022

Recommended for approval by the University Council.

Protocol № 5 dated 17.05.2022

