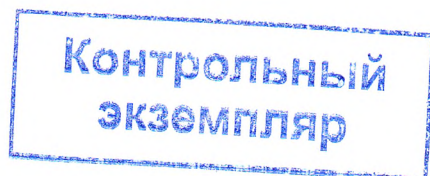


MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
Educational Institution
«BELARUSIAN STATE MEDICAL UNIVERSITY»



APPROVED

by Rector of the Educational
Institution «Belarusian State
Medical University»



S.P. Rubnikovich

26.06.2025

Reg. # UD-0911-03-24/2520/edu.

NON-REMOVABLE PROSTHETICS

**Curriculum of the educational institution
in the academic discipline for the specialty**

7-07-0911-03 «Dentistry»

Curriculum is based on the educational program «Non-removable prosthetics», approved 26.06.2025, registration # УД-0911-03-24/2526/уч.; on the educational plan in the specialty 7-07-0911-03 «Dentistry», approved 16.04.2025, registration # 7-07-0911-03/2526/mf.

COMPILERS:

S.V.Ivashenko, Professor of the Department of Prosthetic Dentistry and Orthodontics of the Educational Institution «Belarusian State Medical University», DSc, Professor;

Ya.I.Timchuk, Head of the Department of Prosthetic Dentistry and Orthodontics of the Educational Institution «Belarusian State Medical University», PhD, Associate Professor;

A.I.Golovko, Associate Professor of the Department of Prosthetic Dentistry and Orthodontics of the Educational Institution «Belarusian State Medical University», PhD, Associate Professor

RECOMMENDED FOR APPROVAL:

by the Department of Prosthetic Dentistry of the Educational Institution «Belarus State Medical University»
(protocol # 11 of 09.04.2025);

by the Scientific and Methodological Council of the Educational Institution «Belarus State Medical University»
(protocol # 10 of 26.06.2025)

EXPLANATORY NOTE

«Non-removable Prosthetics» is an academic discipline of the module «Prosthetic Dentistry», containing systematized scientific knowledge about the etiology, pathogenesis, diagnosis, treatment and prevention of anomalies in the development of acquired defects in the crowns of teeth and dentition.

The aim of the discipline «Non-removable Prosthetics» is the formation of specialized competencies for treatment of patients with defects of crowns and dentitions with fixed prostheses.

The objectives of the discipline «Non-removable Prosthetics» are to develop student's scientific knowledge about the etiology, pathogenesis, clinical picture, diagnosis, differential diagnosis, prevention, treatment methods for patients with defects in crowns and dentitions, the skills necessary for:

- examining patients;
- making a diagnosis;
- differential diagnosis;
- provision of prosthetic dental care to patients with defects in teeth and dentitions with fixed prostheses.

Relations to other educational disciplines

The knowledge, skills and abilities gained in the study of the discipline «Non-removable Prosthetics» are necessary for the successful mastering of the educational disciplines «Removable Prosthetics», «Maxillofacial Orthopedics and Orthopedic Dentistry», module «Periodontology».

Studying the educational discipline «Non-removable Prosthetics» should ensure the formation of students' specialized competence: 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.

As a result of studying the discipline «Non-removable Prosthetics», the student should

know:

- etiology, pathogenesis, clinical picture, diagnosis, differential diagnosis, prevention and methods of prosthetic treatment of patients with defects in crowns and dentitions with fixed prostheses;

- methods of preparing the oral cavity for prosthetic interventions, methods of anesthesia;

- basic and auxiliary dental materials for the manufacture of fixed prostheses;

- mechanisms of adaptation to prostheses and the impact of prosthetic interventions on the dental system and the patient's body;

- organizational and economic aspects of the activities of prosthetic departments of dental clinics;

- rules of ethics and deontology in clinic prosthetic dentistry;

be able to:

- make plan and conduct communication;
- organize the workplace of a prosthodontist, taking into account ergonomics and in accordance with the requirements of asepsis, antisepsis, safety precautions;
- prevent general complications in a patient at a dental appointment and, if necessary, provide emergency medical care;
- conduct an examination of patients,
- determine indications for general health and special measures before prosthetics;
- interpret the results of basic and additional research methods;
- formulate a diagnosis based on the data of the study;
- suggest a prosthetic treatment plan;
- justify the choice of treatment method and design of fixed prostheses;
- fill in medical documentation;
- provide medical care in conditions that pose a threat to the life and (or) health of patients in case of fainting, shock, collapse;

master:

- methods of patient examination in prosthetic dentistry;
- methods of diagnostics and planning of prosthetic treatment of patients;
- methods of prosthetic treatment of patients with defects of hard dental tissues;
- methods of prosthetic treatment of patients with partial adentia;
- techniques of preparation of hard tissues of teeth for various prosthetic constructions;
- methods for taking impressions with various impression materials;
- methods of determination and methods of fixation of central occlusion;
- methods of fitting crowns and checking the designs of fixed prostheses;
- methods of fixation of fixed prostheses.

Total number of hours for the study of the discipline is 312 academic hours, of which 184 classroom hours and 128 hours of student independent work. Classroom hours according to the types of studies: lectures – 24 hours, practical classes – 160 hours.

Intermediate assessment is carried out according to the syllabus of the specialty in the form of a credit (5 semester), examination (6 semester).

Form of higher education – full-time.

ALLOCATION OF ACADEMIC TIME ACCORDING TO SEMESTERS OF STUDY

Code, name of the specialty	Semester	Total number of academic hours	Number of classroom hours				Out-of-class self-studies	Form of intermediate assessment
			Number of classroom hours	including				
				class lectures	SSIW	practicals		
7-07-0911-03 «Dentistry»	5	136	92	12	-	80	44	credit
	6	176	92	12	-	80	84	examination
Total number		312	184	24	-	160	128	

THEMATIC PLAN

Section (topic) name	Number of class hours	
	lectures	practical
1. Prosthetic treatment of crown defects	12	80
1.1. Prosthetic treatment of dental crown defects with inlays and veneers	6	35
1.2. Prosthetic treatment of dental crown defects with artificial crowns	4,5	30
1.3. Prosthetic treatment in the complete absence of a tooth crown	1,5	15
2. Prosthetic treatment of dentition defects with fixed prostheses	12	80
2.1. Partial defects of the dentition. Odontoparodontogram. Methods of tooth preparation and impression taking for various fixed prosthetic constructions	4,5	15
2.2. Clinical and laboratory stages of manufacturing bridges from various structural materials	6	55
2.3. Dental implantation	1,5	10
Total hours	24	160

CONTENT OF THE EDUCATIONAL DISCIPLINE

1. Prosthetic treatment of crown defects

1.1. Prosthetic treatment of dental crown defects with inlays and veneers

Principles of medical ethics and deontology. The relationship between a doctor and a patient, a doctor and a dental technician, a doctor and medical workers.

Provision of emergency care in dental practice in case of fainting, hypertensive crisis and anaphylactic shock.

Ensuring epidemiological safety in the provision of medical care. Hygienic antisepsis of the skin of the hands of medical personnel.

Preparation of the oral cavity for prosthetics. Therapeutic training, surgical training, orthodontic training, special training. Methods of anesthesia in the preparation of teeth.

Etiology, pathogenesis, clinics, diagnosis, differential diagnosis, prevention and methods of treatment of the main nosological forms of pathology of the dentoalveolar system: pathology of hard tissues of the teeth, partial and complete absence of teeth, periodontal diseases, anomalies and deformations of the dentoalveolar system, traumatic lesions of the jaws and face, diseases temporomandibular joint, diseases of the oral mucosa, combined forms of lesions and diseases of the dental system.

Dental photo protocol when planning prosthetic treatment of patients with defects in dental crowns.

Working, auxiliary impressions and modern materials for their taking. Steps for taking an impression. Getting a digital impression. Laboratory scanning of models.

Inlays, indications and contraindications for their use. Cavity classifications. Features of the preparing of cavities for inlays, depending on the topography of the defect. Methods for making tabs. Clinical and laboratory stages of tooth crown restoration using an inlay. Fitting and fixing inlays.

Veneers, indications and contraindications for their use. Features of the preparation of tooth crowns during prosthetic treatments with veneers, in accordance of the topography of the defect. Methods of making veneers. Modern construction materials for the manufacture and fixation of veneers. Clinical and laboratory stages of tooth crown restoration using veneers. Fitting and luting of veneers.

Examination of patients with dental diseases: complaints and anamnesis of the disease taking, diagnosing, interpreting the results of x-rays, selection of indications for the manufacture of inlays and veneers, determining the tactics of treating patients with defects in dental crowns with inlays and veneers, preparing cavities for inlays and veneers on plaster models, taking impressions with alginate and silicone materials, choosing a drug and method of anesthesia. Filling in medical documentation.

1.2. Prosthetic treatment of dental crown defects with artificial crowns

Stamped crowns, plastic crowns, cast, all-ceramic (milled, sintered and pressed), metal-acrylic and metal-ceramic crowns, indications for their use. Clinical and laboratory stages of crown manufacturing. The method of taking impressions and their evaluation.

Principles of tooth preparation for artificial crowns. Rules for the preparation of teeth and the number of hard tissues removed in the manufacture of various prosthetic

structures (stamped crowns, plastic crowns, ceramic, cast and combined (metal-acrylic and metal-ceramic) crowns). Methods for assessment the quality of preparation. Security zones according to Abolmasov-Klyuev.

Method of fitting of single crowns. Rules and sequence of sitting and cementing of crowns.

Examination of patients with dental diseases: taking complaints and anamnesis of the disease, formulating a diagnosis, interpreting the results of x-ray studies, selecting indications for the manufacture of artificial crowns (stamped, acrylic, combined, cast, metal-acrylic, metal-ceramic, all-ceramic), selection of a treatment plan for patients with defects in dental crowns, taking impressions with alginate and silicone materials. Filling in medical documentation.

1.3. Prosthetic treatment in the complete absence of a tooth crown

Post constructions and their elements, indications for their use. Examination methods of patients with the complete absence of a tooth crown. Requirements for condition of the root and its surrounding tissues. Clinical-and-laboratory stages of post making: post-teeth, modern construction materials for manufacturing post-teeth.

Prosthetic treatment of patients with post constructions in case of tooth crown absence, indications for their use. Clinical-and-laboratory stages of post constructions making. Fiberglass posts and materials for their fabrication.

Examination of patients with dental diseases: taking complaints and anamnesis of the disease; diagnostics; interpretation of the results of x-ray studies; selection of indications for the manufacture of various post structures; selection of a treatment plan for patients with a complete absence of a tooth crown, according to the choice of materials for fixing fiberglass posts; taking impressions with alginate and silicone materials. Filling in medical documentation.

2. Prosthetic treatment of dentition defects with fixed prostheses

2.1. Partial defects of the dentition. Odontoparodontogram. Methods of tooth preparation and impression taking for various fixed prosthetic constructions

Prosthetics of patients with partial teeth loss (secondary partial edentia). Examination methods of patients with partial teeth loss. Partial dentition defects. Clinics, etiology, classification of dentition defects (Kennedy, Gavrilov). Biological and clinical fundamentals of treatment with bridges. Periodontium: structure, functions, reserve strength and endurance. Odontoparodontogram.

Indications and contraindications for use of bridges. Clinical-and-laboratory sequence of making soldered, cast metal and combined (metal-acrylic and metal-ceramic) bridges. Tooth preparation in dental treatment of partial tooth loss with bridges. Quality assessment criteria of tooth preparation. Specific features of tooth preparation depending on denture types.

The methods of taking impressions for the manufacture of the pontic of the dental bridge. The choice of impression materials depending on the construction materials of prostheses.

Examination of patients with dental diseases: taking complaints and anamnesis of the disease; diagnostics; interpretation of the results of x-ray studies; selection of indications for the manufacture of various constructions of bridges; interpretation of

the results of odontoparodontogram and X-ray examination data, selection of a treatment plan for patients with dentition defects, preparation of teeth for the manufacture of bridges (stamped-soldered, cast, combined) on gypsum models; taking impressions with alginate and silicone materials. Filling in medical documentation.

2.2. Clinical and laboratory stages of manufacturing bridges from various structural materials

Detection and methods of centric occlusion fixation in prosthetic treatment of partial tooth loss with bridges. Fitting of crowns in prosthetics with bridges in case of partial tooth loss, impressions taking. Check of dental bridge construction. Dental bridge fitting and sitting. Quality assessment criteria for supporting elements and the denture itself. Bridge fixation. Modern technologies in Prosthodontics. Pressed ceramic. CAD / CAM, CEREC systems (milled ceramic). The use of fiberglass posts in prosthodontics. Adhesive bridges. Characteristics and properties of modern construction materials. Techniques of modern denture making.

Errors and complications in prosthetic treatment of patients with partial defects of the dentition with bridges.

Examination of patients with dental diseases: taking complaints and anamnesis of the disease; diagnostics; interpretation of the data obtained, taking into account the classification of defects in the dentition; determination and fixation of centric occlusion in the manufacture of bridges on gypsum models, on the tactics of checking the design of bridges and the choice of material for fixation, on the choice of construction materials for the manufacture and fixation of adhesive and all-ceramic prostheses. Filling in medical documentation.

2.3. Dental implantation

Dental implantation. Types, indications and contraindications for use, characteristics of construction materials. Varieties of dental implants and abutments.

Examination of patients with dental pathology: taking complaints and anamnesis of the disease; diagnostics; determination of the plan of treating patients using dental implants, the choice of abutments for the manufacture of fixed structures. Filling in medical documentation.

ACADEMIC DISCIPLINE CURRICULAR CHART

Section, topic #	Section (topic) name	Number of hours		Literature	Practical skills	Form of control	
		lectures	practical			of practical skills	of current / intermediate assessment
	5 semester						
	Lectures	12					
1.1	Aims, objectives of the discipline «Non-removable prosthetics». Principles of medical ethics and deontology. The main nosological forms of pathology of the dental system	1,5	-	1-6			
1.1	Pathology of hard tissues of teeth of carious and non-carious origin. Prosthetic treatment planning	1,5	-	1-6			
1.1	Inlays. Modern construction materials and methods for manufacturing inlays	1,5	-	1-6			
1.1	Veneers. Modern construction materials and methods for the manufacture of veneers	1,5	-	1-6			
1.2	Metal stamped, acrylic, combined crowns. Clinical and laboratory stages of making crowns. Construction materials. Indications for use	1,5	-	1-6			
1.2	Cast-metal, metal-acrylic, metal-ceramic crowns. Clinical and laboratory stages of making crowns. Specific features of the preparation of teeth and taking impressions. The reaction of tooth and periodontal tissues to preparation. Security zones by Abolmasov-Klyuev	1,5	-	1-6			
1.2	Non-metal crowns. Characteristics of modern construction materials	1,5	-	1-6			

1.3	Classification of restorative post constructions. Clinical and laboratory stages of manufacturing restorative post constructions. Modern construction materials	1,5	-	1-6			
	Practical lessons	-	80	-			
1.1	Preparation of the oral cavity for prosthetics. Methods of anesthesia in the preparation of teeth	-	5	1-6	Hygienic antiseptics of the skin of the hands of medical personnel	Visual assessment of performance practical skill	Electronic tests; survey; solving situational tasks
1.1	Defects of hard tissues of teeth. Methods of examination of patients with defects in hard dental tissues. Dental photo protocol when planning prosthetic treatment of patients with defects in dental crowns	-	5	1-6	Completion of a dental outpatient card. Completion of a work order for an orthopedic appointment	Filling of a dental outpatient card. Filling a work order for an orthopedic appointment	Electronic tests; survey; solving situational tasks
1.1	Working and auxiliary impressions and modern materials for their taking. Steps for taking an impression. Getting a digital impression. Laboratory scanning of models	-	5	1-6	Taking alginate impressions	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
1.1	Inlays, indications for use. Modern construction materials and methods for manufacturing inlays	-	5	1-6	Determining the index of the damaged occlusal surface of the tooth (IDOST) and choosing the type of orthopedic construction based on the index	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
1.1	Features of the formation of cavities for inlays, depending on the topography and the size of the defect. Clinical and laboratory stages of making inlays by direct and indirect methods	-	5	1-6			Electronic tests; survey; solving situational tasks
1.1	Veneers, indications for use. Characteristics of modern construction materials. Methods for making veneers	-	5	1-6	Selection of abrasive instruments for tooth preparation when making inlays and veneers	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
1.1	Tooth preparation and clinical and laboratory stages of veneers manufacturing. Modern materials and fixation methods of veneers	-	5	1-6	Selection of abrasive instruments for tooth preparation when making inlays and	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey*; solving situational tasks

					veneers		
1.2	Metal stamped crowns. Clinical and laboratory stages of manufacturing	-	5	1-6	Tooth preparation for making metal crowns. Fitting and fixing metal crowns	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
1.2	Acrylic crowns. Clinical and laboratory stages of manufacturing	-	5	1-6	Tooth preparation for making acrylic crowns. Fitting and fixing metal crowns	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
1.2	Combined crowns, clinical and laboratory stages of manufacturing	-	5	1-6	Making temporary crowns	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
1.2	Clinical and laboratory stages of manufacturing cast-metal, metal-acrylic, metal-ceramic crowns. Specific features of the preparation of teeth and taking impressions. Method of fitting, sitting and fixation of single crowns	-	5	1-6	Selection of abrasive instruments for tooth preparation when making metal-ceramic and non-metal crowns	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
1.2	Non-metal crowns. Characteristics of modern construction materials. Methods for manufacturing metal-free crowns (milling, sintering, pressing)	-	5	1-6	Selection of abrasive instruments for tooth preparation when making metal-ceramic and non-metal crowns	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
1.2	Features of tooth preparation for the manufacture of metal-free crowns. impression materials. Methods for making impressions. Clinical and laboratory stages of manufacturing	-	5	1-6	Taking dual-layer silicone impressions	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey*; solving situational tasks
1.3	Restorative post constructions. Indications for use. Requirements for the condition of the root and its surrounding tissues	-	5	1-6	Preparation of root canals when making post and core structures	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
1.3	Clinical and laboratory stages of manufacturing restorative postconstructions	-	5	1-6	Modeling of cast post and core restorations on single-rooted and	Performing a practical skill on	Electronic tests; survey; solving situational tasks

					multi-rooted teeth	simulation devices or at the dental chair	
1.3	Prosthetic treatment of patients in the absence of a tooth crown with stump root inlays, indications for use. Clinical and laboratory stages of manufacturing stump root inlay structures. Fiberglass posts	-	5	1-6	Modeling of cast post and core restorations on single-rooted and multi-rooted teeth	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks. Credit
6 semester							
	Lectures	12	-				
2.1	Partial defects of dentition. Constructions of fixed dentures	1,5	-	1-6			
2.1	Bridges (stamped-soldered, combined) dentures. Prosthetic treatment planning	1,5	-				
2.1	The technique of taking impressions for the manufacture of bridge dentures. Fixation of central occlusion in the manufacture of bridges	1,5	-	1-6			
2.1	Cast-metal, metal acrylic, metal ceramic dentures	1,5	-	1-6			
2.2	Adhesive bridge dentures	1,5	-	1-6			
2.2	Metal-free bridge dentures	1,5	-	1-6			
2.2	Errors and complications in the prosthetic treatment of patients with partial defects of the dentition with bridges	1,5	-	1-6			
2.3	Dental implantation	1,5	-	1-6			
	Practical lessons	-	80	-			
2.1	Prosthetics of partial absence of teeth. Clinical picture, classification of dentition defects	-	5	1-6	Hygienic antisepsis of the skin of the hands of medical personnel	Visual assessment of performance practical skill	Electronic tests; survey; solving situational tasks
2.1	Prosthetic treatment of patients with partial absence of teeth with fixed dentures. Methods examination of patients. Indications and contraindications to the choice of construction fixed dentures	-	5	1-6	Completion of a dental outpatient card. Completion of a work order for an orthopedic appointment	Filling of a dental outpatient card. Filling a work order for an orthopedic appointment	Electronic tests; survey; solving situational tasks
2.1	Odontoparodontogram. Justification of the choice of design and abutments in bridge dentures. stamina and reserve forces of the periodontium	-	5	1-6	Completion of a dental outpatient card. Completion of a work order for an orthopedic appointment	Filling of a dental outpatient card. Filling a work order for an orthopedic appointment	Electronic tests; survey*; solving situational tasks

2.2	Clinical and laboratory stages of manufacturing stamped-soldered bridges	-	5	1-6	Selection of medicine and anesthesia method	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
2.2	Preparation of teeth, taking impressions in the manufacture of bridge dentures (stamped-soldered, cast-metal, combined)	-	5	1-6	Taking alginate impressions	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey*; solving situational tasks
2.2	The technique of taking impressions for the manufacture of the intermediate part of the bridge dentures. The choice of impression materials depending on the construction materials of the dentures	-	5	1-6	Taking dual-layer silicone impressions	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
2.2	Determination and methods of fixation of central occlusion in the manufacture of bridges	-	5	1-6	Determining and fixing habitual occlusion when making bridgework prostheses	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey*; solving situational tasks
2.2	Inspection of structures, final manufacture, application and fixation of bridge dentures.	-	5	1-6	Checking the construction of metal bridgework prostheses	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
2.2	Clinical and laboratory stages of manufacturing of cast-metal, metal acrylic, metal ceramic dentures.	-	5	1-6	Checking the construction of metal bridgework prostheses	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
2.2	Adhesive bridge dentures. Modern construction materials for manufacturing and luting. Methods of manufacture and methods of luting.	-	5	1-6	Fixation of bridgework prostheses made from various construction materials	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey*; solving situational tasks
2.2	Modern construction materials and methods of manufacturing metal-free bridge dentures.	-	5	1-6	Determining tooth color	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
2.2	CAD / CAM technologies in fixed dental prosthetics.	-	5	1-6	Determining the index of the damaged occlusal surface of the tooth (IDOST) and choosing	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey*; solving situational tasks

					the type of orthopedic construction based on the index		
2.2	Clinical stages and modern materials for fixing metal-free fixed dentures.	-	5	1-6	Fixation of bridgework prostheses made from various construction materials	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
2.2	Errors and complications in the prosthetic treatment of patients with partial defects of the dentition with bridge dentures.	-	5	1-6	Checking the construction of metal bridgework prostheses	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey*; solving situational tasks
2.3	Types of dental implantation. Indications and contraindications for use. Characteristics of construction materials.	-	5	1-6	Taking alginate impressions	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey; solving situational tasks
2.3	Types of dental implants and abutments.	-	5	1-6	Taking dual-layer silicone impressions	Performing a practical skill on simulation devices or at the dental chair	Electronic tests; survey*; solving situational tasks
Total hours		24	160				Exam

*This is a mandatory form of current certification.

INFORMATION AND INSTRUCTIONAL UNIT

LITERATURE

Basic:

1. Removable Partial Dentures. A Practitioners' Manual / Editor Olcay Şakar. – 2nd Edition. – Springer, 2024. – 423 p.
2. Waliszewski, Michael P. Brudvik's Advanced Removable Partial Dentures. Book of Prosthodontics. – 2nd Edition. – UK : Quintessence Publishing, 2022. – 203 p.

Additional:

3. Complete dentures. Algorithm of producing. / S. A. Naumovich [et al.]. – 3rd ed. – Minsk : BSMU, 2018. – 32 p.
4. Fixed dentures. Algorithm of producing. / S. A. Naumovich [et al.]. – 3rd ed. – Minsk : BSMU, 2018. – 30 p.
5. Removable partial dentures. Algorithm of producing. / S. A. Naumovich [et al.]. – 3rd ed. – Minsk : BSMU, 2018. – 16 p.
- Electronic courseware for the educational discipline «Non-removable»
6. <https://etest.bsmu.by/course/view.php?id=1401>

METHODOLOGICAL RECOMMENDATIONS FOR THE ORGANIZATION AND PERFORMANCE OF STUDENT INDEPENDENT WORK IN THE ACADEMIC DISCIPLINE

The time allocated for independent work can be used by students for:

- preparation for lectures and practical classes;
- preparation for credit and exam in the academic discipline;
- study of topics (questions) submitted for independent study;
- solving situational problems;
- compiling a review of scientific literature on a given topic;
- note-taking of educational literature.

LIST OF AVAILABLE DIAGNOSTIC TOOLS

The following forms of current certification are used to diagnose competencies:

- electronic tests;
- survey;
- solving situational tasks.

LIST OF AVAILABLE TEACHING METHODS

- Linear (traditional) method;
- active (interactive) methods:
- problem-Based Learning (PBL);
- case-Based Learning (CBL);
- simulation-based learning.

LIST OF PRACTICAL SKILLS

№	Name of practical skills	Form of practical skills control
1.	Hygienic antisepsis of the skin of the hands of medical personnel	Visual assessment of performance practical skill
2.	Completion of a dental outpatient card for an orthopedic appointment	Filling of a dental outpatient card
3.	Completion of a work order for an orthopedic appointment	Filling a work order for an orthopedic appointment
4.	Selection of medicine and anesthesia method	Performing a practical skill on simulation devices or at the dental chair
5.	Selection of abrasive instruments for tooth preparation when making inlays and veneers	Performing a practical skill on simulation devices or at the dental chair
6.	Tooth preparation for making acrylic crowns	Performing a practical skill on simulation devices or at the dental chair
7.	Making temporary crowns	Performing a practical skill on simulation devices or at the dental chair
8.	Tooth preparation for making metal crowns	Performing a practical skill on simulation devices or at the dental chair
9.	Selection of abrasive instruments for tooth preparation when making metal-ceramic and non-metal crowns	Performing a practical skill on simulation devices or at the dental chair
10.	Preparation of root canals when making post and core structures	Performing a practical skill on simulation devices or at the dental chair
11.	Modeling of cast post and core restorations on single-rooted and multi-rooted teeth	Performing a practical skill on simulation devices or at the dental chair
12.	Taking alginate impressions	Performing a practical skill on simulation devices or at the dental chair
13.	Taking dual-layer silicone impressions	Performing a practical skill on simulation devices or at the dental chair
14.	Determining tooth color	Performing a practical skill on simulation devices or at the dental chair
15.	Fitting and fixing metal crowns	Performing a practical skill on simulation devices or at the dental chair

16.	Determining and fixing habitual occlusion when making bridgework prostheses	Performing a practical skill on simulation devices or at the dental chair
17.	Checking the construction of metal bridgework prostheses	Performing a practical skill on simulation devices or at the dental chair
18.	Fixation of bridgework prostheses made from various construction materials	Performing a practical skill on simulation devices or at the dental chair
19.	Determining the index of the damaged occlusal surface of the tooth (IDOST) and choosing the type of orthopedic construction based on the index	Performing a practical skill on simulation devices or at the dental chair

LIST OF SIMULATION EQUIPMENT USED

1. Dentist's workplace (desk, chair).
2. Dental unit with a light and spittoon.
3. Instrument table with a fixed rigid waste container of class B.
4. Dental chair (for the dentist).
5. Trolley with consumables and waste disposal containers.
6. Sink.
7. Container for collecting class A waste, 10 liters capacity.
8. Container for collecting class B waste, 10 liters capacity.
9. Set of tools in simulated sterile packaging (tray - 1 pc., dental tweezers - 2 pcs., dental mirror - 1 pc., dental probe - 1 pc., excavator - 1 pc., spatula - 1 pc., burnisher - 1 pc., angled probe - 1 pc.).
10. Set of cutting instruments for tooth preparation using a turbine handpiece.
11. Paper palette for mixing the second layer of silicone material.
12. Rubber bowl for mixing impression materials.
13. Spatula for mixing impression materials.
14. Dental spatula.
15. Impression trays for upper and lower jaws.
16. Scalpel.
17. Retraction cord.
18. Silicone impression material.
19. Alginate impression material.
20. Plaster.

**PROTOCOL OF THE CURRICULUM APPROVAL
BY OTHER DEPARTMENTS**

Title of the discipline requiring approval	Department	Amendments to the curriculum in the academic discipline	Title of the discipline requiring approval
1. Removable prosthetics	Prosthetic Dentistry and Orthodontics	No proposals	Protocol # 11 of 09.04.2025
2. Maxillofacial Prosthetics and Prosthodontics	Prosthetic Dentistry and Orthodontics	No proposals	Protocol # 11 of 09.04.2025
3. Clinical Periodontology	Periodontology	No proposals	Protocol # 11 of 09.04.2025
4. Complex Periodontology	Periodontology	No proposals	Protocol # 11 of 09.04.2025

COMPILERS/AUTHORS:

Professor of the Department of Prosthetic Dentistry of the Educational Institution «Belarusian State Medical University», MD, Professor

S.V.Ivashenka

Head of the Department of Prosthetic Dentistry and Orthodontics of the Educational Institution «Belarusian State Medical University», PhD, Associate Professor

Ya.I.Timchuk

Associate Professor of the Department of Prosthetic Dentistry and Orthodontics of the Educational Institution «Belarusian State Medical University», PhD, Associate Professor

A.I.Golovko

Curriculum content, composition and the accompanying documents comply with the established requirements.

Head of the Office of Educational Activities of the Educational Institution «Belarusian State Medical University»

24.06.2025

I.L.Kotovich

Methodologist of the Educational and Methodological Department of the Office of Educational Activities of the Educational Institution «Belarusian State Medical University»

24.06.2025

S.V.Zaturanova