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Federal State Autonomous Educational Institution of Higher Education

PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA named after

Patrice Lumumba

RUDN University

Institute of Medicine

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

INTERNSHIP SYLLABUS

Observing and Assisting a Dentist (General Dentistry)

internship title

productive

internship type

Recommended by the Didactic Council for the Education Field of:

31.05.03 Dentistry

field of studies / speciality code and title

The student's internship is implemented within the professional education programme of higher education:

Dentistry

higher education programme profile/specialisation title

1. INTERNSHIP GOAL(s)

The goal of the Internship “Observing and Assisting a Dentist (General Dentistry)” is to consolidate and deepen of the theoretical training of the student, to acquire practical skills, knowledge, and skills, to form competencies that make up the content of the professional activity of the assistant of a general dentist.

2. REQUIREMENTS FOR LEARNING OUTCOMES

The internship implementation is aimed at the development of the following competences (competences in part): GC-1, GC-2, GC-5, GC-6, GC-9, GPC-6, GPC-9, GPC-10, GPC-11, GPC-12.

Table 2.1. List of competences that students acquire during the internship

Competence code	Competence descriptor	Competence formation indicators (within this course)
GC-3	Able to organize and manage the work of the team, developing a team strategy to achieve the goal	GC-3.1 Develops a cooperation strategy and, basing on it ,organizes the selection of team members to achieve the goal, distributing roles in the team
		GC-3.2 Plans and adjusts the work of the team, taking into account the interests, characteristics of behavior and opinions of its members; distributes tasks and delegates duties to team members
		GC-3.3 Resolves conflicts and contradictions in business communication based on the interests of all parties
		GC-3.4 Organizes discussions on a given topic and discussion of the results of the team’s work with the involvement of opponents of the developed ideas
GC-9	Able to use basic defectological knowledge in social and professional areas	GC-9.1 Knows the principle of inclusive competence, its components and properties; applies basic defectological knowledge in the social and professional sphere
		GC-9.2 Cooperation in the social and professional spheres with disabled persons and incapacitated person
		GC-9.3 Knows the basics of defectology
GPC-6.	Able to prescribe, check on the effectiveness and safety of non-drug and drug treatment in solving professional problems	GPC-6.1 Develops a plan for the treatment of a dental disease, basing on the diagnosis, age and clinical picture in accordance with the current procedures for

		<p>the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care</p> <p>GPC-6.2 Selects medical devices (including dental materials) for the preparation of a comprehensive plan for the treatment of dental diseases. Monitor the progress of the patient's treatment</p> <p>GPC-6.3 Checks possible side effects from taking medications</p> <p>GPC-6.4 Exerts medical care to a dental patient in urgent or emergency forms</p> <p>GPC-6.5 Organizes the prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment at a dental appointment</p> <p>GPC-6.6 Organizes personalized treatment of a dental patient, including elderly and senile patients, pregnant women, children with somatic pathologies, evaluates the effectiveness and safety of treatment</p> <p>GPC-6.7 Prescribes medicines, medical devices, taking into account the diagnosis, age and clinical picture, and in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care</p> <p>GPC-6.8 Prescribes non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care</p> <p>GPC-6.9 Check the effectiveness and safety of the use of medicines, medical devices and other methods of treatment at a dental appointment</p>
GPC-9	<p>Able to check on morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems</p>	<p>GPC-9.1 Able to check on morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems</p> <p>GPC-9.2 Check on the results of clinical, laboratory and functional diagnostics in solving professional problems</p> <p>GPC-9.3 Determines morphofunctional, physiological states and pathological processes of the</p>

		human body
GPC-10.	Able to organize the work of junior and middle medical staff for patient care	GPC-10.1 Check on the carrying out of medical appointments by medical workers holding positions of middle and junior medical personnel
		GPC-10.2 Check on and evaluates the quality of medical care
		GPC-10.3 Manages medical workers holding positions of middle and junior medical personnel
		GPC-10.4 Makes a plan and report of their work
		GPC-10.5 Analyzes the main 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	GPC-11.1 Carries out high quality professional work
		GPC-11.2 Analyzes and critically checks on the quality of professional activity according to specified indicators
		GPC-11.3 Able to implement the principles of quality management in professional area
GPC-12.	Able to carry out and check on the effectiveness of medical rehabilitation of a dental patient	GPC-12.1. Develops the optimal tactics for the treatment of dental pathology of children and adults, basing on the general somatic disease and further rehabilitation of the patient
		GPC-12.2. Applies methods of complex rehabilitation of patients with dental diseases, basing on the general condition of the body and the presence of concomitant pathology
GC-1.	Capable to do patients' examination in order to make a diagnosis	GC-1.1 Do primary and secondary examination of the patient in order to make a preliminary diagnosis
		GC-1.2 Taking patients' history (their relatives/legal representatives), conducts a survey of patients about their general health, identification of concomitant diseases in order to make a preliminary diagnosis
		GC-1.3 Detects dental and facial anomalies, deformities and prerequisites for their history , defects in crowns of teeth and dentitions based on examination of the patient, laboratory, instrumental, as well as additional examinations in order to make a preliminary/ final diagnosis

		<p>GC-1.4 Identifies risk factors for oncopathology of patients (including various background processes, precancerous conditions) based on laboratory, instrumental and additional examinations in order to make a preliminary/final diagnosis</p>
		<p>GC-1.5 Makes a preliminary/final diagnosis based on the examination of the patient, laboratory and instrumental examination</p>
		<p>GC-1.6 Makes the final diagnosis based on additional examinations of patients</p>
<p>GC-2.</p>	<p>Capable of prescribing, monitoring the efficacy and safety of non-drug and drug treatments</p>	<p>GC-2.1 Organizes the provision of medical care in emergency and urgent forms for acute dental diseases, conditions, exacerbation of chronic diseases that pose a threat to the patient's life or without obvious signs of a threat to the patient's life</p>
		<p>GC-2.2 Conducts selection of medicines and medical devices (including dental materials) for the treatment of dental diseases, assessing possible side effects from taking medications</p>
		<p>GC-2.3 Provides consultation to the patient on the methods of treatment of dental diseases, drawing up a comprehensive treatment plan with the rationale for the most appropriate tactics and assessing possible complications caused by the use of this technique</p>
		<p>GC-2.4 Selects the type of local anesthesia / anesthesia and evaluates possible complications caused by their use</p>
		<p>GC-2.5 Conducts a specialized reception of adults and / or children, monitoring the course of treatment of caries, non-caries diseases of the teeth, pulpitis, periodontitis, periodontitis, bone tissue of the jaws, peripheral nervous system of the maxillofacial region, temporomandibular joint, salivary glands, diseases of the mucous membrane of the cavity of the mouth, with the exception of precancers, using modern methods of treatment approved for use in medical practice</p>
		<p>GC-2.6 Carries out orthopedic treatment of persons with defects in teeth, dentitions within temporary prosthetics, prosthetics of single defects in the dentition, prostheses up to three units (excluding prosthetics on dental implants), partial and complete removable lamellar dentures using modern methods of treatment approved for use in medical practice</p>

		GC-2.7 Performs surgical care for adults and / or children, within the scope of tooth extraction (excluding impacted and dystopic), opening of subperiosteal abscesses with periostitis of the jaws, with acute and chronic odontogenic inflammatory processes, exacerbation of chronic diseases of the maxillofacial region using modern methods of treatment allowed for use in medical practice
		GC-2.8 Carries out observation and treatment of diseases of the oral mucosa, lips, with the exception of a specialized appointment for the treatment of precancers of the oral mucosa and lips and the treatment of children with manifestations of viral, bacterial, allergic and other childhood infections in the oral cavity
		GC-2.9 Carries out a phased sanitation of the oral cavity (excluding sanitation of children under anesthesia)
		GC-2.10 Provides medical care in emergency and emergency forms, eliminating foci of infection and intoxication
		GC-2.11 Carries out the direction of patients for inpatient treatment for dental diseases in the prescribed manner and conducts the formation of an epicrisis
		GC-2.12 Provides care for patients with injuries of the maxillofacial region, persons with disabilities at home
		GC-2.13 Performs physiotherapy procedures
GC-5.	Capable of conducting health and hygiene education among the population and medical workers in order lifestyle	GC-5.1. Forms in patients (their relatives / legal representatives) the motivation to lead a healthy lifestyle and give up bad habits
		GC-5.2. Forms positive behavior in patients (their relatives/legal representatives) aimed at maintaining and improving the level of health
GC-6.	Capable of analyzing and publicly presenting evidence-based medical information	GC-6.1 Conducts a search for medical information based on evidence-based medicine, interpreting the data of scientific publications and / or preparing a presentation for the public presentation of medical information, the results of scientific research
		GC-6.2 Carries out the development of algorithms for the examination and treatment of adults and children with dental diseases in accordance with the principles of evidence-based medicine, as well as the search and interpretation of medical information based on evidence-based medicine
		GC-6.3 Conducts public presentation of medical information based on evidence-based medicine / partial participation in scientific research

3. INTERNSHIP IN HIGHER EDUCATION PROGRAMME STRUCTURE

The internship refers to the core/variable/elective* component of (B2) block of the higher educational programme curriculum.

* Underline whatever applicable. The core component includes all introductory field internships, the variable component includes all advanced field internships, except for research and pre-graduate types of the internship. The elective module includes all research and pre-graduation types of the internship (if any).

Within the higher education programme students also master other disciplines (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the internship.

Table 3.1. The list of the higher education programme components that contribute to the achievement of the expected learning outcomes as the internship results.

Competence code	Competence descriptor	Previous courses/modules, internships*	Subsequent courses/modules, internships*
GC-.3.1	Develops a cooperation strategy and, on its basis, organizes the selection of team members to achieve the goal, distributing roles in the team	Psychology, pedagogy	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview)
GC-3.2	Plans and adjusts the work of the team, taking into account the interests, characteristics of behavior and opinions of its members; distributes tasks and delegates authority to team members	Psychology, pedagogy	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-3.3	Resolves conflicts and contradictions in business communication based on the interests of all parties	Pharmacology	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-3.4	Organizes discussions on a given topic and discussion of the results of the team's work with the involvement of	Bioethics	Preparation for passing and passing the state exam. State exam (computer testing).

	opponents of the developed ideas		State exam (interdisciplinary interview).
GC-9.1	Knows the concept of inclusive competence, its components and structure; applies basic defectological knowledge in social and professional areas	Psychology, pedagogy	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-9.2	Interacts in the social and professional spheres with persons with disabilities and people with disabilities	Psychology, pedagogy	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-9.3	Knows the basics of defectology	Psychology, pedagogy	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GPC-6.1	Develops a plan for the treatment of a dental disease, taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care	Immunology, clinical immunology Pharmacology Internal illnesses Clinical pharmacology general surgery Surgical diseases Life safety Dermatovenereology Neurology Psychiatry and Narcology Pediatrics Cariesology and diseases of hard dental tissues Endodontics Gerontostomatology and diseases of the oral mucosa Periodontology Oral surgery Gnathology and functional diagnostics of the temporal mandibular joint Dental prosthetics (simple prosthetics)	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).

		Prosthetics in the complete absence of teeth Dental prosthetics (complex prosthetics) Maxillofacial and gnathic surgery Diseases of the head and neck Pediatric maxillofacial surgery Maxillofacial prosthetics Children's dentistry Orthodontics and pediatric prosthetics Medical genetics in dentistry medical rehabilitation Clinical dentistry Implantology and reconstructive oral surgery Modern endodontics Assistant dentist (children's)	
GPC-6.2	Selects medical devices (including dental materials) for the preparation of a comprehensive plan for the treatment of dental diseases. Monitor the progress of the patient's treatment	Immunology, clinical immunology Pharmacology Internal illnesses Clinical pharmacology general surgery Surgical diseases Life safety Dermatovenereology Neurology Psychiatry and Narcology Pediatrics Cariesology and diseases of hard dental tissues Endodontics Gerontostomatology and diseases of the oral mucosa Periodontology Oral surgery Gnathology and functional diagnostics of the temporal mandibular joint Dental prosthetics (simple prosthetics) Prosthetics in the complete absence of teeth	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).

		<p>Dental prosthetics (complex prosthetics) Maxillofacial and gnathic surgery Diseases of the head and neck Pediatric maxillofacial surgery Maxillofacial prosthetics Children's dentistry Orthodontics and pediatric prosthetics Medical genetics in dentistry medical rehabilitation Clinical dentistry Implantology and reconstructive oral surgery Modern endodontics Assistant dentist (children's))</p>	
GPC-6.3	Evaluates possible side effects from taking medications	<p>Immunology, clinical immunology Internal illnesses Clinical pharmacology general surgery Surgical diseases Life safety Dermatovenereology Psychiatry and Narcology Obstetrics Children's dentistry Orthodontics and pediatric prosthetics medical rehabilitation Assistant dentist (children's)</p>	<p>Preparation for passing and passing the state exam.</p> <p>State exam (computer testing).</p> <p>State exam (interdisciplinary interview).</p>
GPC-6.4	Provides medical care to a dental patient in urgent or emergency forms	<p>Immunology, clinical immunology Internal illnesses Life safety Dermatovenereology Neurology Children's dentistry Orthodontics and pediatric prosthetics medical rehabilitation Assistant dentist (children's)</p>	<p>Preparation for passing and passing the state exam.</p> <p>State exam (computer testing).</p> <p>State exam (interdisciplinary interview)</p>
GPC-6.5	Organizes the prevention and treatment of complications, side	<p>Immunology, clinical immunology Internal illnesses</p>	<p>Preparation for passing and passing the state exam.</p>

	effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment at a dental appointment	Clinical pharmacology Life safety Dermatovenereology Children's dentistry Orthodontics and pediatric prosthetics medical rehabilitation Assistant dentist (children's)	State exam (computer testing). State exam (interdisciplinary interview).
GPC-6.6	Organizes personalized treatment of a dental patient, including elderly and senile patients, pregnant women, children with somatic pathologies, evaluates the safety and effectiveness of treatment	Immunology, clinical immunology Internal illnesses Life safety Dermatovenereology Pediatrics medical rehabilitation	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GPC-6.7	Prescribes medicines, medical devices, taking into account the diagnosis, age and clinical picture, and in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care	Immunology, clinical immunology Internal illnesses Clinical pharmacology Life safety Dermatovenereology Emergency conditions in outpatient dental practice medical rehabilitation	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GPC-6.8	Prescribes non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care	Immunology, clinical immunology Internal illnesses Life safety Dermatovenereology Neurology medical rehabilitation	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GPC-6.9	Evaluates the effectiveness and safety of the use of medicines,	Immunology, clinical immunology Internal illnesses	Preparation for passing and passing the state exam.

	medical devices and other methods of treatment at a dental appointment	Clinical pharmacology Life safety Dermatovenereology Children's dentistry Orthodontics and pediatric prosthetics medical rehabilitation Assistant dentist (children's)	State exam (computer testing). State exam (interdisciplinary interview).
GPC-9.1	Owns the algorithm of clinical, laboratory and functional diagnostics in solving professional problems	Biological Chemistry - Oral Biochemistry Histology, embryology, cytology - Histology of the oral cavity Normal physiology, physiology of the maxillofacial region Microbiology, virology - Microbiology of the oral cavity Pathophysiology - Pathophysiology of the head and neck Forensic Medicine Obstetrics Local anesthesia and anesthesiology in dentistry Oral surgery Maxillofacial and gnathic surgery Diseases of the head and neck Children's dentistry Orthodontics and children's prosthetics Medical rehabilitation Implantology and reconstructive oral surgery Assistant dentist (children's))	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GPC-9.2	Evaluates the results of clinical, laboratory and functional diagnostics in solving professional problems	Biological Chemistry - Oral Biochemistry Histology, embryology, cytology - Histology of the oral cavity Normal physiology, physiology of the maxillofacial region Microbiology, virology - Microbiology of the oral cavity	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).

		<p>Pathophysiology - Pathophysiology of the head and neck Radiation diagnostics Forensic Medicine Obstetrics Local anesthesia and anesthesiology in dentistry Oral surgery Maxillofacial and gnathic surgery Diseases of the head and neck Children's dentistry Orthodontics and pediatric prosthetics medical rehabilitation Implantology and reconstructive oral surgery Assistant dentist (children's)</p>	
GPC-9.3	<p>Determines morphofunctional, physiological states and pathological processes of the human body</p>	<p>Biological Chemistry - Oral Biochemistry Human Anatomy - Head and Neck Anatomy Histology, embryology, cytology - Histology of the oral cavity Normal physiology, physiology of the maxillofacial region Microbiology, virology - Microbiology of the oral cavity Pathological anatomy - Pathological anatomy of the head and neck Pathophysiology - Pathophysiology of the head and neck Ophthalmology Forensic Medicine Obstetrics Children's dentistry Orthodontics and pediatric prosthetics Topographic anatomy and operative head and neck surgery medical rehabilitation Medical elementology Bioelements in medicine</p>	<p>Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).</p>

		Assistant dentist (children's)	
GPC-10.1	Controls the fulfillment of medical appointments by medical workers holding positions of middle and junior medical personnel	Organization of general patient care	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview)
GPC-10.2	Monitors and evaluates the quality of medical care	Internal illnesses Assistant dentist (general practice), incl. research work	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview)
GPC-10.3	Supervises medical workers holding positions of middle and junior medical personnel	Organization of general patient care	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GPC-10.4	Prepares a plan and report on their work	Clinical pharmacology Introductory practice Practice for obtaining primary professional skills in the positions of nursing staff (Assistant to the ward and procedural nurse)	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GPC-10.5	Analyzes the main medical and statistical indicators (morbidity, disability, mortality, mortality) of the population of the service area	Public health and healthcare	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GPC-11.1	Performs high quality professional work	Public health and healthcare	Preparation for passing and passing the state exam. State exam (computer testing).

			State exam (interdisciplinary interview).
GPC-11.2	Analyzes and critically evaluates the quality of professional activity according to specified indicators	Forensic Medicine	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GPC-11.3	Develops a plan of organizational and methodological measures to achieve the appropriate level of quality of professional activity	Emergency Medicine Forensic Medicine	Preparation for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GPC-12.1	Develops the optimal tactics for the treatment of dental pathology in children and adults, taking into account the general somatic disease and further rehabilitation of the patient	Pediatrics medical rehabilitation Clinical dentistry	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview)
GPC-12.2	Applies methods of complex rehabilitation of patients with dental diseases, taking into account the general condition of the body and the presence of concomitant pathology	Medical rehabilitation Clinical dentistry	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview)
GC-1.1	Conducts initial and/or re-examination of the patient in order to establish a preliminary diagnosis	Immunology, clinical immunology Life safety Otorhinolaryngology Obstetrics Propaedeutics of dental diseases Cariesology and diseases of hard dental tissues Endodontics Gerontostomatology and diseases of the oral mucosa	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview)

		<p>Periodontology Local anesthesia and anesthesiology in dentistry Oral surgery Gnathology and functional diagnostics of the temporal mandibular joint Dental prosthetics (simple prosthetics) Prosthetics in the complete absence of teeth Dental prosthetics (complex prosthetics) Maxillofacial and gnathic surgery Diseases of the head and neck Pediatric maxillofacial surgery Maxillofacial prosthetics Children's dentistry Orthodontics and pediatric prosthetics Medical genetics in dentistry medical rehabilitation Implantology and reconstructive oral surgery Modern endodontics Aesthetic restoration of teeth Assistant dentist (surgeon) Assistant dentist (therapist) Assistant dentist (prosthetic) Assistant dentist (children's))</p>	
GC-1.2	<p>Receives information from patients (their relatives/legal representatives), conducts a survey of patients on the subject of general health, identification of concomitant diseases in order to establish a preliminary diagnosis</p>	<p>Immunology, clinical immunology Life safety Otorhinolaryngology Ophthalmology Obstetrics Cariesology and diseases of hard dental tissues Endodontics Gerontostomatology and diseases of the oral mucosa Periodontology Local anesthesia and anesthesiology in dentistry</p>	<p>Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview)).</p>

		<p>Oral surgery Gnathology and functional diagnostics of the temporal mandibular joint Dentistry (simple prosthetics) Prosthetics in the complete absence of teeth Dental prosthetics (complex prosthetics) Maxillofacial and gnathic surgery Diseases of the head and neck Pediatric maxillofacial surgery Maxillofacial prosthetics Children's dentistry Orthodontics and pediatric prosthetics Medical genetics in dentistry medical rehabilitation Implantology and reconstructive oral surgery Modern endodontics Assistant dentist (surgeon) Assistant dentist (therapist) Assistant dentist (prosthetic) Assistant dentist (children's)</p>	
GC-1.3	<p>Detects dental and facial anomalies, deformities and prerequisites for their development, defects in crowns of teeth and dentitions in patients based on examination of the patient, laboratory, instrumental, as well as additional examinations in order to establish a preliminary / final diagnosis</p>	<p>Immunology, clinical immunology Life safety Cariesology and diseases of hard dental tissues Endodontics Gerontostomatology and diseases of the oral mucosa Periodontology Gnathology and functional diagnostics of the temporal mandibular joint Dental prosthetics (simple prosthetics) Prosthetics in the complete absence of teeth Dental prosthetics (complex prosthetics)</p>	<p>Preparing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).</p>

		<p>Pediatric maxillofacial surgery Maxillofacial prosthetics Children's dentistry Orthodontics and pediatric prosthetics Medical genetics in dentistry medical rehabilitation Three-dimensional X-ray diagnostic methods in dentistry Modern endodontics Aesthetic restoration of teeth Assistant dentist (therapist) Assistant dentist (prosthetic) Assistant dentist (children's)</p>	
GC-1.4	<p>Identifies risk factors for oncopathology in patients (including various background processes, precancerous conditions) based on laboratory, instrumental and additional examinations in order to establish a preliminary/final diagnosis</p>	<p>Immunology, clinical immunology Pathophysiology - Pathophysiology of the head and neck Life safety Gnathology and functional diagnostics of the temporal mandibular joint Dental prosthetics (simple prosthetics) Prosthetics in the complete absence of teeth Dental prosthetics (complex prosthetics) Pediatric maxillofacial surgery Maxillofacial prosthetics Medical genetics in dentistry Prosthetics in the complete absence of teeth Dental prosthetics (complex prosthetics) Pediatric maxillofacial surgery Maxillofacial prosthetics Medical genetics in dentistry)</p>	<p>Preparing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview)</p>

GC-1.5	Establishes a preliminary / final diagnosis based on the examination of the patient, laboratory and instrumental studies	<p>Immunology, Clinical immunology Pathological anatomy - Pathological anatomy of the head and neck Radiation diagnostics Life safety Gnathology and functional diagnostics of the temporal mandibular joint Dental prosthetics (simple prosthetics) Prosthetics in the complete absence of teeth Dental prosthetics (complex prosthetics) Pediatric maxillofacial surgery Maxillofacial prosthetics Children's dentistry Orthodontics and pediatric prosthetics Medical genetics in dentistry medical rehabilitation Oncostomatology and radiation therapy Assistant dentist (therapist) Assistant dentist (prosthetic) Assistant dentist (children's)</p>	<p>Preparing for passing and passing the state exam.</p> <p>State exam (computer testing).</p> <p>State exam (interdisciplinary interview).</p>
GC-1.6	Establishes the final diagnosis based on additional examinations of patients	<p>Immunology, clinical immunology Life safety Children's dentistry Orthodontics and pediatric prosthetics medical rehabilitation Assistant dentist (children's)</p>	<p>Preparing for passing and passing the state exam.</p> <p>State exam (computer testing).</p> <p>State exam (interdisciplinary interview)</p>
GC-2.1	Organizes the provision of medical care in emergency and urgent forms for acute dental diseases, conditions, exacerbation of chronic diseases that pose a threat to the patient's life or without obvious signs	<p>Cariesology and diseases of hard dental tissues Endodontics Gerontostomatology and diseases of the oral mucosa Periodontology Local anesthesia and anesthesiology in dentistry</p>	<p>Preparing for passing and passing the state exam.</p> <p>State exam (computer testing).</p>

	of a threat to the patient's life	Oral surgery Maxillofacial and gnathic surgery Diseases of the head and neck Children's dentistry Orthodontics and pediatric prosthetics Implantology and reconstructive oral surgery Modern endodontics Assistant dentist (surgeon) Assistant dentist (children's)	State exam (interdisciplinary interview)
GC-2.2	Conducts the selection of medicines and medical devices (including dental materials) for the treatment of dental diseases, assessing possible side effects from taking medication	Clinical pharmacology Cariesology and diseases of hard dental tissues Endodontics Gerontostomatology and diseases of the oral mucosa Periodontology Local anesthesia and anesthesiology in dental surgery Maxillofacial and gnathic surgery Diseases of the head and neck Children's dentistry Orthodontics and pediatric prosthetics Innovative technologies in dentistry Physiotherapy of dental diseases Implantology and reconstructive oral surgery Modern endodontics Aesthetic restoration of teeth Assistant dentist (surgeon) Assistant dentist (children's)	Preparing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-2.3	Cariesology and diseases of hard dental tissues Endodontics Gerontostomatology and diseases of the oral mucosa Periodontology Children's dentistry	Cariesology and diseases of hard dental tissues Endodontics Gerontostomatology and diseases of the oral mucosa Periodontology Children's dentistry	Preparing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).

	Orthodontics and pediatric prosthetics Clinical dentistry Medical elementology Bioelements in medicine Modern endodontics Assistant dentist (children's)	Orthodontics and pediatric prosthetics Clinical dentistry Medical elementology Bioelements in medicine Modern endodontics Assistant dentist (children's)	
GC-2.4	Selects the type of local anesthesia / anesthesia and evaluates possible complications caused by their use	Clinical pharmacology Propaedeutics of dental diseases Cariesology and diseases of hard dental tissues Endodontics Gerontostomatology and diseases of the oral mucosa Periodontology Children's dentistry Orthodontics and pediatric prosthetics Modern endodontics Assistant dentist (children's)	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview)
GC-2.5	Carries out a specialized reception of adults and / or children, monitoring the course of treatment of caries, non-carious diseases of the teeth, pulpitis, periodontitis, periodontitis, jaw bone tissue, peripheral nervous system of the maxillofacial region, temporomandibular joint, salivary glands, diseases of the oral mucosa, with the exception of precancers using modern methods of treatment approved for use in medical practice	Children's dentistry Orthodontics and pediatric prosthetics Assistant dentist (children's)	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-2.6	Carries out orthopedic treatment of persons with defects in teeth, dentitions within the framework of temporary prosthetics, prosthetics of single defects in the dentition, prostheses up	Gnathology and functional diagnostics of the temporal mandibular joint Dental prosthetics (simple prosthetics) Prosthetics in the complete absence of teeth	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).

	to three units (excluding prosthetics on dental implants), partial and complete removable lamellar dentures using modern methods of treatment approved for use in medical practice	Dental prosthetics (complex prosthetics) Pediatric maxillofacial surgery Maxillofacial prosthetics Medical genetics in dentistry 3D-computer modeling of teeth	
GC-2.7	Performs surgical care for adults and / or children, within the scope of the operation of tooth extraction (excluding impacted and dystopic), opening of subperiosteal abscesses with periostitis of the jaws, with acute and chronic odontogenic inflammatory processes, exacerbation of chronic diseases of the maxillofacial region using modern methods of treatment approved for use in medical practice	Gerontostomatology and diseases of the oral mucosa Materials Science Topographic anatomy and operative head and neck surgery Clinical dentistry	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-2.8	Carries out observation and treatment of diseases of the oral mucosa, lips, with the exception of a specialized appointment for the treatment of precancers of the oral mucosa and lips and the treatment of children with manifestations of viral, bacterial, allergic and other childhood infections in the oral cavity	Infectious diseases, phthisiology Children's dentistry Orthodontics and pediatric prosthetics Assistant dentist (children's)	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-2.9	Carries out a phased sanitation of the oral cavity (excluding sanitation of children under anesthesia)	Children's dentistry Orthodontics and pediatric prosthetics Assistant dentist (children's)	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).

GC-2.10	Provides medical care in emergency and emergency forms, eliminating foci of infection and intoxication	Infectious diseases, phthisiology	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-2.11	Carries out the direction of patients for inpatient treatment for dental diseases in the prescribed manner and conducts the formation of an epicrisis	Cariesology and diseases of hard dental tissues Diseases of the head and neck Children's dentistry	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview)
GC-2.12	Provides care for patients with injuries of the maxillofacial region, persons with disabilities at home	Organization of general patient care	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-2.13	Performs physiotherapy procedures	Organization of general patient care Physiotherapy of dental diseases	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-5.1	Forms in patients (their relatives/legal representatives) the motivation to lead a healthy lifestyle and give up bad habits	Psychology, pedagogy Hygiene Public health and healthcare Prevention and Community Dentistry Local anesthesia and anesthesiology in dentistry Oral surgery Maxillofacial and gnathic surgery Diseases of the head and neck Children's dentistry Orthodontics and pediatric prosthetics Implantology and reconstructive oral surgery Assistant dentist (hygienist)	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).

		Assistant dentist (surgeon) Assistant dentist (children's)	
GC-5.2	Forms positive behavior in patients (their relatives/legal representatives) aimed at maintaining and improving the level of health	Psychology, pedagogy Hygiene Public health and healthcare Prevention and Community Dentistry Local anesthesia and anesthesiology in dentistry Oral surgery Maxillofacial and gnathic surgery Diseases of the head and neck Implantology and reconstructive oral surgery Assistant dentist (hygienist) Assistant dentist (surgeon)	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-6.1	Conducts a search for medical information based on evidence-based medicine, interpreting the data of scientific publications and / or preparing a presentation for the public presentation of medical information, the results of scientific research	Immunology, clinical immunology Pharmacology Ophthalmology Gnathology and functional diagnostics of the temporal mandibular joint Dental prosthetics (simple prosthetics) Prosthetics in the complete absence of teeth Dental prosthetics (complex prosthetics) Pediatric maxillofacial surgery Maxillofacial prosthetics Medical genetics in dentistry	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).
GC-6.2	Carries out the development of algorithms for the examination and treatment of adults and children with dental diseases in accordance with the principles of evidence-based medicine, as well as the search and interpretation of medical information	Immunology, clinical immunology Pharmacology	Preparaing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview).

	based on evidence-based medicine		
GC-6.3	Conducts public presentation of medical information based on evidence-based medicine / partial participation in scientific research	Immunology, clinical immunology Pharmacology Clinical dentistry	Preparing for passing and passing the state exam. State exam (computer testing). State exam (interdisciplinary interview)..

* To be filled in according with the competence matrix of the higher education programme.

4. INTERNSHIP WORKLOAD

The total workload of the internship is 3 credits (108 academic hours).

5. INTERNSHIP CONTENTS

*Table 5.1. Internship contents**

Modules	Contents (topics, types of practical activities)	Workload, academic hours
Module 1. Organizational and preparatory stage: "Introduction to Practice Course"	Topic 1.1. Safety briefing, general fire safety briefing, internal regulations of the dental clinic and labor protection rules.	1
	Topic 1.2 Familiarization with the structure and office work of the orthopedic, surgical and therapeutic departments (offices) of the dental clinic, training to work in a structural unit;	1
	Topic 1.3. The rights and obligations of the student in the production practice. Requirements for filling out standard medical documentation and a work practice diary.	1
Module 2 Main stage: "Working as an Assistant General Dentist"	Topic 2.1. Performing work in accordance with the main areas of activity of a dentist and individual tasks. Acquisition of professional skills. Data collection skills for reporting	22
	Topic 2.2. Mastering simple manual procedures of an assistant dentist orthopedist	20
	Topic 2.3. Mastering simple manual procedures of an assistant dentist surgeon	20
	Topic 2.4. Mastering simple manual procedures of a dental assistant therapist	20
Module 3 Final stage	Topic 3.1. Collection, processing and analysis of practical experience as an assistant to a dentist	5
Preparation of a practice report		9
Preparation for defense and defense of the practice report		9
TOTAL:		108

* The contents of internship through modules and types of practical activities shall be FULLY reflected in the student's internship report.

6. INTERNSHIP EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

The infrastructure and technical support necessary for the internship implementation include: laboratories/ specially equipped classrooms/ polygons/ measuring and computing complexes/ vehicles/ industrial equipment and devices/ household premises that comply with current sanitary and fire safety standards.

The SAFETY REQUIREMENTS at the enterprise, workplace (including the department of RUDN University) and during the work with certain production/laboratory equipment incorporate/ include the following (to be specified)...

7. INTERNSHIP LOCATION AND TIMELINE

The internship can be carried out at the structural divisions of RUDN University (at Moscow-based organisations, as well as those located outside Moscow.

The internship at an external organisation (outside RUDN University) is legally arranged on the grounds of an appropriate agreement, which specifies the terms, place and conditions for an internship implementation at the organisation.

The period of the internship, as a rule, corresponds to the period indicated in the training calendar of the higher education programme. However, the period of the internship can be rescheduled upon the agreement with the Department of Educational Policy and the Department for the Organization of Internship and Employment of RUDN students.

8. RESOURCES RECOMMENDED FOR INTERNSHIP

Main readings:

- 1. Maksimovsky Yuri Mikhailovich. Therapeutic dentistry. Cariesology and diseases of hard tissues of teeth. Endodontics [Electronic resource]: Textbook / Yu.M.
- Maksimovsky, A.V. Mitronin; Under total ed. Yu.M. Maksimovsky. - M.: GEOTAR-Media, 2016.- 480 p. - ISBN 978-5-9704-3589-2.
- Therapeutic dentistry [Text]: Textbook / O.O. Yanushevich [i dr.]. - 3rd ed., revised. and additional - M.: GEOTAR-Media, 2016. - 760 p. - ISBN 978-5-9704-3767-4: 2250.00.
- Lebedenko I.Yu., Kalivradzhiyana E.S. Orthopedic dentistry: Textbook / Ed. - M.: GEOTAR-Media, 2016. - 640 p.
- Surgical dentistry [Electronic resource]: Textbook / Under the general. ed. V.V. Afanasiev. - 3rd ed., revised. - M.: GEOTAR-Media, 2016. - 400 p. - ISBN 978-5-9704-3704-9.b) additional reading
- Therapeutic dentistry [Electronic resource]: Textbook in 3 parts. Part 1: Diseases of the teeth / Ed. E.A. Volkova, O.O. Yanushevich. - M.: GEOTAR-Media, 2015.

- Therapeutic dentistry [Electronic resource]: Textbook in 3 parts. Part 2: Periodontal disease / Ed. G.M. Barera. – M.: GEOTAR-Media, 2015.
- Therapeutic dentistry [Electronic resource]: Textbook in 3 parts. Part 3: Diseases of the oral mucosa / Ed. G.M. Barera. - 2nd ed., add. and revised - M. GEOTAR-Media, 2015.
- Orthopedic dentistry: textbook / S.D. Arutyunov, E.A. Bragin, S.I. Burlutskaya [and others]; edited by E.S. Kalivradzhiyan, I.Yu. Lebedenko, E.A. Bragina, I.P. Ryzhova. - 3rd ed., revised. and additional - M. : GEOTAR-Media, 2020. - 800 p. : ill. - ISBN 978-5-9704-5272-1 : 2200.00.
- Technology of dental and jaw prosthetics [Text]: a guide for practical exercises / V. N. Trezubov, E. A. Bulycheva, S. D. Arutyunov. - Moscow: Practical Medicine, 2020. - 167 p. : ill., tsv. ill. ; 25 cm. - Bibliography: p. 167 (10 titles). - 500 copies. - ISBN 978-5-98811-582-3 (in translation)
- A guide to practical exercises in prosthetic dentistry for 3rd year students / edited by Lebedenko I. Yu., Elicheva V. V., Markova B. P. / (Authors: Arutyunov S. D. and others) Textbook. - M. : Practical medicine, 2012. (Part I. - 432 p.). IBSN: 978-5-98811-031-2
- Guide to practical exercises in orthopedic dentistry for students of the 4th year / edited by Lebedenko I. Yu., Elicheva V. V., Markova B. P. / (Authors: Arutyunov S. D. and others) Textbook. - M. : Practical medicine, 2007. (Part II. - 352 p.). IBSN: 978-5-98811-045-2
- Dental technique: textbook / S.D. Arutyunov, D.M. Bulgakov, M.G. Grishkin [and others]; ed. MM. Rasulova, T.I. Ibragimova, I.Yu. Lebedenko. - 2nd ed., corrected. and additional - M. : GEOTAR-Media, 2016. - 384 p. - ISBN 978-5-9704-3830-5.
- Bazikyan Ernest Aramovich. Tooth extraction operation [Electronic resource]: Textbook / E.A. Bazikyan. - M.: GEOTAR-Media, 2016. - 144 p. - ISBN 978-5-9704-3558-8
- Surgical dentistry and maxillofacial surgery [Electronic resource]: National guide / Ed. A.A. Kulakova, T.G. Robustova, A.I. Nerobeev. - M.: GEOTAR-Media, 2015. - 928 p. - (National guides). - ISBN 978-5-9704-3727-8.
- Ibragimov T.I. Recording and maintaining a medical record in the clinic of orthopedic dentistry (manual). - M.: GEOTAR-Media, 2013.
- Mironova M.L. Removable dentures: Textbook / M.L. Mironov. - M.: GEOTAR-Media, 2016. - 464 p.
- Ryakhovsky A.N. Comparative laboratory study of the results of displaying the margin of the preparation of the tooth stump obtained using intraoral scanners / Dentistry. - 2016. - No. T. 95 (5). - S. 39 - 46.

Additional readings:

- I.Yu. Lebedenko, T.I. Ibragimov, A.N. Ryakhovsky Functional and instrumental research methods in orthopedic dentistry [Text]: Textbook for universities. - M. : Medical Information Agency, 2003. - 128 p. : ill. - ISBN 5-89481-135-X: 260.00.56.6 - L33.
- Orthopedic dentistry: a national guide. Volume 1 / ed. I.Yu. Lebedenko, S.D. Arutyunova, A.N. Ryakhovsky. - GEOTAR - Media, 2022. - 824 p. ISBN: 978-5-9704-6366-6

- Orthopedic dentistry: a national guide. Volume 2. / ed. I.Yu. Lebedenko, S.D. Arutyunova, A.N. Ryakhovsky. - GEOTAR - Media, 2022. - 416 p. ISBN: 978-5-9704-6367-3.
- Orthopedic treatment of patients with complete absence of teeth: textbook. allowance: [specialty 060105 (040400) "Dentistry"] / A. P. Voronov, I. Yu. Lebedenko, I. A. Voronov. - 2nd ed., revised. and additional - Moscow: MEDpress-inform, 2009. - 343 p. : col. ill., tab. - ISBN 5-98322-551-0
- Mironova M.L. Removable dentures [Electronic resource]: Textbook / M.L. Mironov. - M. : GEOTAR-Media, 2016. - 464 p. - ISBN 978-5-9704-3718-6.
- 1. Examination of a dental patient. Basic and additional methods: account. Allowance / A.I. Bulgakov, A.Sh. Galikeeva, I.V. Valeev et al. - Ufa: Publishing house of GBOUVPOBGMU of the Ministry of Health and Social Development of Russia, 2012. - 87 p.2.
- Rabinovich S.A., Stosh V.I., Sokhov S.T. etc. Prevention of general somatic complications. Algorithm of urgent measures in a dental office. – M.: MGMSU, 2012. – 89 p.
- 3. X-ray diagnostics [Electronic resource]: presentation /A.Zh. Petrikas. – Tver: [6. AND.]. 2011 - 169 slides. (47 MB)
- 4. Anesthesia in endodontics [Text]: textbook / A.Zh. Petrikas. - Moscow: Medical Information Agency, 2009 - 211 p.

Resources of the information and telecommunications network "Internet":

1. RUDN ELS and third-party ELS, to which university students have access on the basis of concluded agreements:

- RUDN Electronic Library System - RUDN EBS <http://lib.rudn.ru/MegaPro/Web>
- ELS "University Library Online" <http://www.biblioclub.ru>
- EBS Yurayt <http://www.biblio-online.ru>
- ELS "Student Consultant" www.studentlibrary.ru
- EBS "Lan" <http://e.lanbook.com/>
- EBS "Trinity Bridge"

2. Databases and search engines:

- electronic fund of legal and normative-technical documentation <http://docs.cntd.ru/>
- Yandex search engine <https://www.yandex.ru/>
- Google search engine <https://www.google.ru/>
- abstract database SCOPUS <http://www.elsevierscience.ru/products/scopus/>

The training toolkit and guidelines for a student to do an internship, keep an internship diary and write an internship report:*

1. Safety regulations to do the internship (safety awareness briefing).
2. Machinery and principles of operation of technological production equipment used by students during their internship; process flow charts, regulations, etc. (if necessary).
3. Guidelines for keeping an internship diary and writing an internship report.

*The training toolkit and guidelines for the internship are placed on the internship page in the university telecommunication training and information system under the set procedure.

8. ASSESSMENT TOOLKIT AND GRADING SYSTEM* FOR EVALUATION OF STUDENTS' COMPETENCES LEVEL AS INTERNSHIP RESULTS

The assessment toolkit and the grading system* to evaluate the level of competences (GC-1, GC-2, GC-5, GC-6, GC-9, GPC-6, GPC-9, GPC-10, GPC-11, GPC-12) formation as the internship results are specified in the Appendix to the internship syllabus.

* The assessment toolkit and the grading system are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

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