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Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
RUDN University

Medical Institute

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

COURSE SYLLABUS

ENDODONTICS

course title

Recommended by the Didactic Council for the Education Field of:

31.05.03 Dentistry

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

Specialty

higher education programme profile/specialisation title

<p>PC –2 (2.1,2.2, 2.3, 2.4)</p>	<p>Being able to prescribe, monitor the efficacy and safety of non-drug and drug treatment</p>	<p>representatives); conducting a questionnaire survey of patients regarding their general health status; identifying concomitant diseases in order to make a preliminary diagnosis.</p> <p>PC-1.3. Detecting if patients have dentoalveolar, facial anomalies, deformities and prerequisites for their development, defects in the crowns of teeth and dentition on the basis of the patient examination; laboratory, instrumental, and additional examinations in order to make a preliminary/final diagnosis.</p> <p>PC-2.1. Organizing the provision of emergency and urgent medical care for acute dental diseases, conditions, exacerbation of chronic diseases, which pose a threat to the patient’s life, or without obvious signs of a threat to the patient’s life.</p> <p>PC-2.2. Selecting drugs and medical devices (including dental materials) for dental disease treatment assessing the possible side effects of taking medicinal drugs</p> <p>PC-2.3. Consulting patients on methods for treating dental diseases drawing up a comprehensive treatment plan which justifies the most appropriate tactics and assesses possible complications caused by using this technique.</p> <p>PC-2.4. Selecting the type of local anesthesia/anesthesia and assessing the possible complications caused by using it.</p>
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3. THE COURSE IN THE HIGHER EDUCATION PROGRAMME STRUCTURE

The course «**Endodontics**» refers to the Compulsory Disciplines of block B1 of the Higher Education Program Curriculum.

Within the framework of the Educational Program, students also master other disciplines and/or practices that contribute to expected learning outcomes of the course «Endodontics».

Table 3.1. List of Higher Education Program disciplines that contribute to expected learning outcomes

№	Code and name of competence	Previous disciplines	Subsequent disciplines (groups of disciplines)
General professional competences			
GPC-2.1	Being able to analyse the results of their own professional activity to prevent professional errors therapeutic failures and conflict situations;	Bioethics Local anesthesia and anesthesiology in dentistry	Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Oral surgery Oral and Maxillofacial Surgery Head and Neck Diseases Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Implantology and reconstructive surgery of the oral cavity Modern Endodontics Aesthetic Restoration Observing and Assisting a Dentist (Operative Dentistry and Endodontics) Observing and Assisting a Dentist (Prosthodontics) Observing and Assisting a Dentist (Pediatric) Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)
GPC-2.2	Providing scientific arguments for and implementing recommendations aimed at improving the medical and legal training of dentists, preventing professional errors, adverse outcomes and conflict situations.	Bioethics Local anesthesia and anesthesiology in dentistry	Endodontics Head and Neck Diseases Gerontostomatology and diseases of the oral mucosa Periodontics Oral surgery Maxillofacial and Orthognathic Surgery Orthodontics and Pediatric Prosthodontics Pediatric Dentistry Implantology and reconstructive surgery of the oral cavity Modern Endodontics Observing and Assisting a Dentist (Prosthodontics) Observing and Assisting a Dentist (Pediatric) Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)

GPC-5.1.	Gathering anamnesis by analysing the patient's complaints, making a physical examination at a dental appointment.	Local anesthesia and anesthesiology in dentistry	Internal Medicine General Surgery Surgical Diseases Dermatovenerology Neurology Psychiatry and Narcology Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Oral surgery Gnathology and Temporo-Mandibular Joint's Functional Diagnostics Prosthodontics (Simple Prosthetics) Prosthodontics of Edentulous Patient Prosthodontics (Complex Prosthetics) Maxillofacial and Orthognathic Surgery Head and Neck Maxillofacial Prosthodontics Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Medical Genetics in Dentistry Modern Endodontics Observing and Assisting a Dentist (Operative Dentistry and Endodontics) Observing and Assisting a Dentist (Prosthodontics) Observing and Assisting a Dentist (Pediatric) Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)
GPC-5.2	Formulating a preliminary diagnosis and drawing up a plan for laboratory and instrumental examinations of a dental patient	Propaedeutics of Dental Diseases Local anesthesia and anesthesiology in dentistry	Internal Medicine General Surgery Surgical Diseases Dermatovenerology Neurology Psychiatry and Narcology Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Oral surgery Gnathology and Temporo-Mandibular Joint's Functional Diagnostics Prosthodontics (Simple Prosthetics) Prosthodontics of Edentulous Patient Prosthodontics (Complex Prosthetics) Maxillofacial and Orthognathic Surgery Head and Neck Diseases Pediatric Maxillofacial Dentistry

			<p>Maxillofacial Prosthodontics Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Medical Genetics in Dentistry Modern Endodontics Observing and Assisting a Dentist (Operative Dentistry and Endodontics) Observing and Assisting a Dentist (Prosthodontics) Observing and Assisting a Dentist (Pediatric) Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)</p>
GPC-5.3	Compiling medical documentation for a dental patient in accordance with regulatory requirements	Propaedeutics of Dental Diseases	<p>Internal Medicine General Surgery Surgical Diseases Dermatovenerology Neurology Psychiatry and Narcology Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Oral surgery Gnathology and Temporo-Mandibular Joint's Functional Diagnostics Prosthodontics (Simple Prosthetics) Prosthodontics of Edentulous Patient Prosthodontics (Complex Prosthetics) Maxillofacial and Orthognathic Surgery Head and Neck Diseases Pediatric Maxillofacial Dentistry Maxillofacial Prosthodontics Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Medical Genetics in Dentistry Modern Endodontics Observing and Assisting a Dentist (Operative Dentistry and Endodontics) Observing and Assisting a Dentist (Prosthodontics) Observing and Assisting a Dentist (Pediatric) Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)</p>

GPC-5.4.	Referring a patient to a laboratory examination in case there are medical indications 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 dental care.		Internal Medicine Dermatovenerology Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Modern Endodontics Observing and Assisting a Dentist (Pediatric) Preparation for and Passing the State Exam State Exam (Computer Testing)
GPC-5.5.	Referring a patient to an instrumental examination in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of dental care taking into account the standards.	Propaedeutics of Dental Diseases	Internal Medicine Dermatovenerology Neurology Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Three-dimensional x-ray Diagnostic Methods in Dentistry Observing and Assisting a Dentist (Pediatric) Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)
GPC-5.9.	Making a diagnosis based on the current international statistical classification of diseases and health problems.	Pathologic Anatomy - Pathologic Anatomy of Head and Neck	Internal Medicine Dermatovenerology Obstetrics Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Gnathology and Temporomandibular Joint's Functional Diagnostics Prosthodontics (Simple Prosthetics) Prosthodontics of Edentulous Patient Prosthodontics (Complex Prosthetics) Pediatric Maxillofacial Dentistry Maxillofacial Prosthodontics

			Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Medical Genetics in Dentistry Modern Endodontics Observing and Assisting a Dentist (Operative Dentistry and Endodontics) Observing and Assisting a Dentist (Prosthodontics) Observing and Assisting a Dentist (Pediatric) Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)
GPC-6.1.	Developing a plan for dental disease treatment taking into account the diagnosis, age and clinical picture 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 medical care standards.	Immunology, Clinical Immunology Pharmacology	Internal Medicine Clinical Pharmacology General Surgery Surgical Diseases Health and Safety Dermatovenerology Neurology Psychiatry and Narcology Pediatrics Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Oral surgery Gnathology and Temporomandibular Joint's Functional Diagnostics Prosthodontics (Simple Prosthetics) Prosthodontics of Edentulous Patient Prosthodontics (Complex Prosthetics) Maxillofacial and Orthognathic Surgery Head and Neck Diseases Pediatric Maxillofacial Dentistry Maxillofacial Prosthodontics Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Medical Genetics in Dentistry Medical Rehabilitation Clinical Dentistry Implantology and Reconstructive Surgery Modern Endodontics Observing and Assisting a Dentist (Pediatric) Observing and Assisting a Dentist (General Dentistry), Including Research Practice

			Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)
GPC-6.2.	Selecting medical products (including dental materials) for drawing up a comprehensive plan for dental disease treatment. Following up the treatment of a patient	Dental Materials General Surgery	Internal Medicine Surgical Diseases Health and Safety Dermatovenerology Psychiatry and Narcology Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Oral surgery Gnathology and Temporo-Mandibular Joint's Functional Diagnostics Prosthodontics (Simple Prosthetics) Prosthodontics of Edentulous Patient Prosthodontics (Complex Prosthetics) Maxillofacial and Orthognathic Surgery Head and Neck Diseases Pediatric Maxillofacial Dentistry Maxillofacial Prosthodontics Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Medical Genetics in Dentistry Medical Rehabilitation Implantology and Reconstructive Surgery Modern Endodontics Observing and Assisting a Dentist (Pediatric) Observing and Assisting a Dentist (General Dentistry), Including Research Practice Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)
Professional Competence			
PC-1.1.	Making an initial examination and/or reexamination of a patient in order to make a preliminary diagnosis.	Immunology, Clinical Immunology Local anesthesia and anesthesiology in dentistry Propaedeutics of Dental Diseases	Health and Safety Otorhinolaryngology Obstetrics Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Oral surgery Gnathology and Temporo-Mandibular Joint's Functional Diagnostics Prosthodontics (Simple Prosthetics) Prosthodontics of Edentulous Patient

			Prosthodontics (Complex Prosthetics) Maxillofacial Prosthodontics Head and Neck Diseases Pediatric Maxillofacial Dentistry Maxillofacial and Orthognathic Surgery Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Medical Genetics in Dentistry Medical Rehabilitation Implantology and Reconstructive Surgery Modern Endodontics Aesthetic Restoration Observing and Assisting a Dentist (Oral Surgery) Observing and Assisting a Dentist (Operative Dentistry and Endodontics) Observing and Assisting a Dentist (Prosthodontics) Observing and Assisting a Dentist (Pediatric) Observing and Assisting a Dentist (General Dentistry), Including Research Practice Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)
PC-1.2.	Receiving information from patients (their relatives/legal representatives); conducting a questionnaire survey of patients regarding their general health status; identifying concomitant diseases in order to make a preliminary diagnosis.	Immunology, Clinical Immunology Local anesthesia and anesthesiology in dentistry	Health and Safety Otorhinolaryngology Ophthalmology Obstetrics Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Oral surgery Gnathology and Temporomandibular Joint's Functional Diagnostics Prosthodontics (Simple Prosthetics) Prosthodontics of Edentulous Patient Prosthodontics (Complex Prosthetics) Maxillofacial Prosthodontics Head and Neck Diseases Pediatric Maxillofacial Dentistry Maxillofacial and Orthognathic Surgery Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Medical Genetics in Dentistry Medical Rehabilitation Implantology and Reconstructive Surgery

			<p>Modern Endodontics</p> <p>Observing and Assisting a Dentist (Oral Surgery)</p> <p>Observing and Assisting a Dentist (Operative Dentistry and Endodontics)</p> <p>Observing and Assisting a Dentist (Prosthodontics)</p> <p>Observing and Assisting a Dentist (Pediatric)</p> <p>Observing and Assisting a Dentist (General Dentistry), Including Research Practice</p> <p>Preparation for and Passing the State Exam</p> <p>State Exam (Computer Testing)</p> <p>State Exam (Interdisciplinary Interview)</p>
PC-1.3.	<p>Detecting if patients have dentoalveolar, facial anomalies, deformities and prerequisites for their development, defects in the crowns of teeth and dentition on the basis of the patient examination; laboratory, instrumental, and additional examinations in order to make a preliminary/final diagnosis.</p>	<p>Immunology, Clinical Immunology</p>	<p>Health and Safety</p> <p>Endodontics</p> <p>Gerontostomatology and diseases of the oral mucosa</p> <p>Periodontics</p> <p>Gnathology and Temporomandibular Joint's Functional Diagnostics</p> <p>Prosthodontics (Simple Prosthetics)</p> <p>Prosthodontics of Edentulous Patient</p> <p>Prosthodontics (Complex Prosthetics)</p> <p>Pediatric Maxillofacial Dentistry</p> <p>Maxillofacial Prosthodontics</p> <p>Pediatric Dentistry</p> <p>Orthodontics and Pediatric Prosthodontics</p> <p>Medical Genetics in Dentistry</p> <p>Medical Rehabilitation</p> <p>Three-dimensional Computer Modeling of Teeth</p> <p>Modern Endodontics</p> <p>Aesthetic Restoration</p> <p>Observing and Assisting a Dentist (Operative Dentistry and Endodontics)</p> <p>Observing and Assisting a Dentist (Prosthodontics)</p> <p>Observing and Assisting a Dentist (Pediatric)</p> <p>Observing and Assisting a Dentist (General Dentistry), Including Research Practice</p> <p>Cone Beam Computed Tomography in the Diagnosis Planning and Evaluation of the Effectiveness of Dental Solutions</p> <p>Preparation for and Passing the State Exam</p> <p>State Exam (Computer Testing)</p>

			State Exam (Interdisciplinary Interview)
PC-2.1.	Organizing the provision of emergency and urgent medical care for acute dental diseases, conditions, exacerbation of chronic diseases, which pose a threat to the patient's life, or without obvious signs of a threat to the patient's life.	Local anesthesia and anesthesiology in dentistry	Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Oral surgery Maxillofacial and Orthognathic Surgery Head and Neck Diseases Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Implantology and Reconstructive Surgery Modern Endodontics Observing and Assisting a Dentist (Oral Surgery) Observing and Assisting a Dentist (Pediatric) Observing and Assisting a Dentist (General Dentistry), Including Research Practice Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)
PC-2.2.	Selecting drugs and medical devices (including dental materials) for dental disease treatment assessing the possible side effects of taking medicinal drugs	Innovation techniques in dentistry Local anesthesia and anesthesiology in dentistry	Clinical Pharmacology Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Oral surgery Maxillofacial and Orthognathic Surgery Head and Neck Diseases Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Physiotherapy of Dental Diseases Implantology and Reconstructive Surgery Modern Endodontics Aesthetic Restoration Observing and Assisting a Dentist (Oral Surgery) Observing and Assisting a Dentist (Pediatric) Observing and Assisting a Dentist (General Dentistry), Including Research Practice Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)
PC-2.3.	Consulting patients on methods for	Medical Elementology	Endodontics

	treating dental diseases drawing up a comprehensive treatment plan which justifies the most appropriate tactics and assesses possible complications caused by using this technique.	Bioelements in Medicine	Gerontostomatology and diseases of the oral mucosa Periodontics Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Clinical Dentistry Modern Endodontics Observing and Assisting a Dentist (Pediatric) Observing and Assisting a Dentist (General Dentistry), Including Research Practice Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)
PC-2.4.	Selecting the type of local anesthesia/anesthesia and assessing the possible complications caused by using it.	Propaedeutics of Dental Diseases	Clinical Pharmacology Endodontics Gerontostomatology and diseases of the oral mucosa Periodontics Pediatric Dentistry Orthodontics and Pediatric Prosthodontics Modern Endodontics Observing and Assisting a Dentist (Pediatric) Observing and Assisting a Dentist (General Dentistry), Including Research Practice Preparation for and Passing the State Exam State Exam (Computer Testing) State Exam (Interdisciplinary Interview)

4. THE DISCIPLINE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the discipline “Endodontics” is equal to 6 credits.

Table 4.1. Types of academic activities during the period of the HE program mastering

Type of educational work	Total hours	Semesters			
		VI	VII		
Classroom activities (total)	123	72	51		
Including:	-	-	-	-	-
Lectures					

Practical training (PP)		123	72	51		
Seminars (C)						
Laboratory work (LR)						
Independent work (total)		93	50	43		
Total labor intensity	ac. hour credit	216	122	94		
		6	3	3		

Practical classes/seminars are not provided.

5. THE COURSE CONTENTS AND ACADEMIC ACTIVITIES

Table 5.1. The content of the discipline

№	Name of the discipline section	Content of the section (topic)
1.	Etiology, pathogenesis of dental pulp inflammation. Classification of pulp diseases.	Etiology, pathogenesis, clinical picture, diagnosis, differential diagnosis, treatment, prevention Etiology, pathogenesis of pulpitis. Pulpitis classification ICB-10.
2.	Acute pulpitis	Acute pulpitis. Clinic, diagnostics, differential diagnostics, treatment.
3.	Chronic pulpitis	Chronic pulpitis. Clinic, diagnostics, differential diagnostics, treatment.
4.	Methods of treatment of pulpitis.	Methods for treating pulpitis that preserve the viability of the pulp: biological method, vital amputation. Indications and contraindications for conducting. Methods for the treatment of pulpitis that do not preserve the viability of the pulp. Vital and devital extirpation of the pulp. Indications. Endodontic instrumentation. Root canal processing and filling methods.
5.	Etiology, pathogenesis apical periodontitis	Anatomical and physiological features of the periodontium. Etiology, pathogenesis of apical periodontitis. Classification of periodontitis ICD-10.
6.	Acute apical periodontitis.	Acute periodontitis. Clinic, diagnosis, differential diagnosis, treatment of acute periodontitis.
7.	Chronic apical periodontitis	Chronic periodontitis. Clinic, diagnosis, differential diagnosis, treatment of acute periodontitis.
8.	Methods of treatment of apical periodontitis.	Means and methods of endodontic treatment. Complications in endodontics. Odontogenic sepsis. Focal diseases.
9.	Conservative surgical methods in endodontics.	Conservative-surgical methods of treatment in endodontics: crown-radicular separation, hemisection, root amputation, root apex resection, tooth replantation.
10.	Methods of treating teeth with problematic canals.	Methods of treating teeth with problematic channels: depophoresis, apexphoresis.

11.	Dental focus of infection, focal diseases.	Dental focus of infection. Focal diseases. Clinical manifestations, diagnostics and methods of patient examination.
12.	Complications and errors in endodontics, bleaching of non-vital teeth.	Errors and complications in endodontics. Errors in the diagnosis of pulpitis and periodontitis. Errors and complications in the treatment of pulpitis and periodontitis. Methods for the prevention and elimination of errors and complications in endodontics. Whitening of non-vital teeth.

Table 5.2. The types of academic activities

№	Name of the discipline section	Lectures	Practical classes	Laboratory classes.	Seminars	Self work of students	Total hours
1.	Etiology, pathogenesis of dental pulp inflammation. Classification of pulp diseases.			7		5	12
2.	Acute pulpitis			14		11	25
3.	Chronic pulpitis			7		5	12
4.	Methods of treatment of pulpitis.			14		11	25
5.	Etiology, pathogenesis apical periodontitis			7		5	12
6.	Acute apical periodontitis.			7		5	12
7.	Chronic apical periodontitis			14		11	25
8.	Methods of treatment of apical periodontitis.			7		5	12
9.	Conservative surgical methods in endodontics.			6		5	11
10.	Methods of treating teeth with problematic canals.			12		8	20
11.	Dental focus of infection, focal diseases.			14		11	25
12.	Complications and errors in endodontics, bleaching of non-vital teeth.			14		11	25

Table 5.3. The Laboratory classes

№	№ section of the discipline	Name of laboratory works	Work capacity (hour)	Work capacity (hour)
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			V sem	VI sem
1.	1	Pulpitis. Classification. Etiology and pathogenesis of pulpitis. Testing, polling, solving situational problems.	6	
2.	2	Clinic. Diagnosis and differential diagnosis of acute forms of pulpitis. Testing, polling, solving situational problems.	7	
3.	3	Chronic pulpitis. Pulpitis, unspecified. Clinic. Diagnostics and differential diagnostics. Business game "Pulpit".	6	
4.	3	Chronic ulcerative pulpitis. Clinic. Diagnostics and differential diagnostics. Testing, polling, solving situational problems.	7	
5.	3	Chronic hyperplastic pulpitis (pulpal polyp). Clinic. Diagnostics and differential diagnostics. Testing, polling, solving situational problems.	6	
6.	4	Modern methods of treatment of pulpitis. Biological method, vital amputation. Indications, contraindications, stages of the procedure. Testing, polling, solving situational problems.	7	
7.	4	Errors and complications in the diagnosis and treatment of pulpitis. Testing under the section "Pulpit".	6	
8.	5	Periodontitis. Etiology and pathogenesis. Classification. Testing, polling, solving situational problems.	7	
9.	6	Acute apical periodontitis of pulp origin. Patanatomy. Clinic. Diagnostics and differential diagnostics. Testing, polling, solving situational problems.	7	
10.	7	Chronic apical periodontitis. Pathanatomy. Clinic. Diagnostics and differential diagnostics. Testing, polling, solving situational problems.	7	
11.	7	Periapical abscess with fistula. Clinic. Diagnostics and differential diagnostics. Testing, polling, solving situational problems.	6	
12.	7	Periapical abscess without fistula. Clinic. Diagnostics and differential diagnostics. Testing, polling, solving situational problems.		8
13.	7	Chronic apical periodontitis (apical granuloma). Clinic. Diagnostics and differential diagnostics. Testing, polling, solving situational problems.		7
14.	8	Methods of instrumental channel processing. Methods for determining the length of root canals. Endodontic toolkit: classification, purpose, work rules. Testing, polling, solving situational problems.		7
15.	8	Treatment of acute apical periodontitis. Testing, polling, solving situational problems.		8
16.	8	Treatment of chronic forms of periodontitis. Business game "Periodontitis".		7

17.	8	Errors and complications in the diagnosis and treatment of periodontitis. Testing, polling, solving situational problems.		7
18.		Summarizing. Intermediate testing on the topic "Periodontitis". Protection of medical history on the topic "Periodontitis". Final testing on the discipline "Endodontics".		7
		Total		123

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENT

To conduct classes in the discipline "Endodontics", rooms 254, 255, 241,355 are used - phantom classes (Miklukho-Maklaya st., 10a), equipped with dental units - a dentist module and a patient simulator,

there are dental instruments, consumables, personal protective equipment. For various sections of the discipline, presentations, situational tasks, business games, test tasks have been created and applied. Classrooms 255,254 have multimedia projectors; personal computers, audio and video materials.

7. RECOMMENDED SOURSES for COURSE STUDIES

1. software_- there is Microsoft office 2012 software for practical training
2. resources of the information and telecommunication network "Internet":
3. EBS of RUDN University and third-party EBS to which university students have access on the basis of concluded agreements:
 - a. Electronic library system RUDN - EBS RUDN <http://lib.rudn.ru/MegaPro/Web>
 - b. EBS "University Library Online" <http://www.biblioclub.ru>
 - c. EBS Yurayt <http://www.biblio-online.ru>
 - d. EBS "Student Consultant" www.studentlibrary.ru
 - e. EBS "Doe" <http://e.lanbook.com/>
4. Databases and search engines:
 - a. PUBMED
 - b. SCOPUS abstract database <http://www.elsevierscience.ru/products/scopus/>
 - c. WHO Documentation Center <http://whodc.mednet.ru/>
5. Literature:
 - 1) Essentials of operative dentistry//Daurova, Makeeva, Khabadze et al. Москва ГЭОТАР МЕДИА, 2019, 512 .
 - 2) Tutorial Guide of Endodontics for Dental Students of Third Year of Education: уч. пособие / Ф.Ю. Даурова, З.С. Хабадзе, А.В. Зорян, М.К. Макеева, Л.А. Кожевникова, Э.С. Кодзаева, А.С. Маркова. - Москва: РУДН, 2017. - 156 с.

8. EVALUATION TOOLKIT AND GRADE SYSTEM FOR ASSESSMENT

Evaluation Toolkit (ET) and a point-rating system (PRS)* for assessment the level of competence formation (part of competencies) based on the results of mastering the discipline "Endodontics" are presented in the Appendix to this Work Program of the discipline.

* - ET and PRS are formed on the basis of the requirements of the relevant local regulatory act of the RUDN

DEVELOPERS:

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Associate Professor

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of Conservative Dentistry
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HEAD OF DEPARTMENT:

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HEAD OF HIGHER EDUCATIONAL PROGRAMME:

Deputy Director of MI for
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S.N. Razumova

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