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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 program developer

COURSE SYLLABUS

PERIODONTOLOGY

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

1. COURSE GOAL(s)

The goal of the course "Periodontology" is to equip students with the knowledge of provision outpatient dental therapeutic care to patients with periodontal diseases, and a set of measures aimed at preventing this disease.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) «Periodontology» is aimed at the development of the following competences /competences in part: GPC- 2, 5, 6, PC – 1,2 .

Table 2.1. List of competences that students acquire through the course study

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC – 2	Being able to analyze the results of their own professional activity to prevent professional errors	GPC-2.1. Analysing the causes of professional errors, therapeutic failures and conflict situations;
		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.
GPC –5	Being able to examine patients to determine a diagnosis when solving professional tasks	GPC-5.1. Gathering anamnesis by analysing the patient's complaints, making a physical examination at a dental appointment.
		GPC-5.2. Formulating a preliminary diagnosis and drawing up a plan for laboratory and instrumental examinations of a dental patient
		GPC-5.3. Compiling medical documentation for a dental patient in accordance with regulatory requirements
		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.
		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.

		GPC-5.9. Making a diagnosis based on the current international statistical classification of diseases and health problems.
GPC – 6	Being able to prescribe non-drug and drug treatment, monitor its efficacy and safety when solving professional tasks	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.
		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
PC-1	Being able to make an examination of a patient in order to determine a diagnosis.	PC-1.1. Making an initial examination and/or reexamination of a patient in order to make a preliminary diagnosis.
		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.
		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.
PC –2	Being able to prescribe, monitor the efficacy and safety of non-drug and drug treatment	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.
		PC-2.2. Selecting drugs and medical devices (including dental materials) for dental disease treatment assessing the possible side effects of taking medicinal drugs
		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.
		PC-2.4. Selecting the type of local anesthesia/anesthesia and assessing the possible complications caused by using it.
		PC-2.5. Conducting a specialized appointment for adults and/or children, monitoring the course of treatment of caries, non-cariou dental diseases, pulpitis, periodontal disease, periodontitis, jawbone tissue, peripheral nervous system of the maxillofacial area, temporomandibular joint, salivary glands, diseases of the mucous tunic of mouth, with the exception of precancers, using modern treatment methods approved for use in medical practice

3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/elective* component of (B1) block of the higher educational programme curriculum.

* - Underline whatever applicable.

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

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

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
GPC – 2	Being able to analyze the results of their own professional activity to prevent professional errors	Endodontics Cariology and hard tissues diseases	Gerontotechnology and diseases of the mucous membranes of the oral cavity Physiotherapy of dental diseases
GPC- 5	Being able to examine patients to determine a diagnosis when solving	Endodontics Cariology and hard tissues diseases	Gerontotechnology and diseases of the mucous membranes of the oral cavity Physiotherapy of dental diseases

	<p>professional tasks Being able to prescribe non-drug and drug treatment, monitor its efficacy and safety when solving professional tasks</p>		
GPC – 6	Being able to make an examination of a patient in order to determine a diagnosis.	<p>Endodontics Cariology and hard tissues diseases</p>	<p>Gerontotechnology and diseases of the mucous membranes of the oral cavity Physiotherapy of dental diseases</p>
PC - 1	Being able to make an examination of a patient in order to determine a diagnosis.	<p>Prevention and community dentistry Propedeutics Local anesthesia and anesthesiology in dentistry Material science</p> <p>Endodontics Cariology and hard tissues diseases</p>	<p>Gerontostomatology and diseases of the oral mucosa Physiotherapy of dental diseases Dental prosthetics (simple prosthetics) Prosthetics in the absence of teeth Oral surgery Maxillofacial and gnathic surgery Complex dental prosthetics Diseases of the head and neck Implantology and oral reconstructive surgery</p>
PC – 2	Being able to prescribe,	Prevention and communal	Gerontostomatology and

	monitor the efficacy and safety of non-drug and drug treatment	dentistry Propedeutics Local anesthesia and anesthesiology in dentistry Materials science Endodontics Cariology and hard tissues diseases	diseases of the oral mucosa Physiotherapy of dental diseases Dental prosthetics (simple prosthetics) Prosthetics in the absence of teeth Oral surgery Maxillofacial and gnathic surgery Complex dental prosthetics Diseases of the head and neck Implantology and oral reconstructive surgery
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* To be filled in according to the competence matrix of the higher education programme.

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course “Periodontology” is 7 credits (252 academic hours).

*Table 4.1. Types of academic activities during the periods of higher education programme mastering (full-time training)**

Type of academic activities	Total academic hours	Semesters/training modules						
		7	8					
Contact academic hours	166	64	102					
including:								
Lectures (LC)								
Lab work (LW)	166	64	102					
Seminars (workshops/tutorials) (S)								
Self-studies	50	26	24					
Evaluation and assessment (exam/passing/failing grade)	36	18	18					
Course workload	academic hours	252						
	credits	7	3	4				

* To be filled in regarding the higher education programme correspondence training mode.

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
The structure of the periodontium. Etiology and pathogenesis of periodontal disease	The concept of periodontal complex, features of functioning and biomechanics of periodontal. Modern view on the etiology of periodontal disease. Pathogenetic aspects of the development of periodontal pathology in the light of modern scientific research. Stages of pathogenesis. Classification of periodontal diseases (ICD-10, etc.) Terminology. Examination of a patient with periodontal disease. Basic and additional methods of examination. Preparation of survey plan and documentation.	(LW)
Gingivitis acute and chronic	Catarrhal gingivitis. Etiology, pathogenesis. The role of local and General factors in the etiology of gingivitis. Prevalence, clinic, Differential diagnosis. Gingivitis is hyperplastic. Etiology, pathogenesis. The role of local and General factors in the development of gingival hypertrophy. Prevalence, clinic Differential diagnosis. Gingivitis is ulcerative. Etiology, pathogenesis. The role of local and General factors in the etiology of gingivitis. Prevalence, clinic. Differential diagnostics. General and local treatment. Professional oral hygiene, anti-inflammatory therapy.	(LW)
Marginal periodontitis	Periodontitis: acute, chronic, exacerbation of chronic, stage of remission. Localized, generalized. Aggressive forms of periodontitis. Etiology, pathogenesis, clinic, differential diagnosis. Complex treatment of patients with periodontal disease. The use of therapeutic, orthopedic, orthodontic and physiotherapy methods in the complex treatment of periodontal diseases. Methods of surgical treatment of periodontal disease. Basic methods of periodontal surgery (gingivectomy, curettage, flap surgery). Method of directed regeneration of periodontal tissues. Periodontal surgery periodontal: vestibuloplastika, frenulectomy, periodontal plastic.	(LW)
Periodontosis	Periodontal disease: Etiology, pathogenesis, pathomorphology. Clinic, differential diagnosis of periodontal disease. Local recession of the gums. Classification, etiology, methods of treatment	(LW)

Periodontolisis Periodontomas	Periodontal disease with progressive lysis of periodontal. Features of clinical manifestations. Tumors and tumor-like periodontal disease. Features of clinical manifestations.	(LW)
Changes in periodontal disease in somatic diseases	Changes in periodontal diseases of the gastrointestinal tract, endocrine diseases, blood diseases. Clinic, diagnosis, treatment plan. Symptomatic patients with HIV infection, AIDS. Clinic, diagnosis, treatment plan.	(LW)
Prevention of periodontal diseases	Supporting therapy. Dispenserization	(LW)

* - to be filled in only for **full**-time training: *LC* - lectures; *LW* - lab work; *S* - seminars.

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom equipment and technology support requirements

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
Lecture	A lecture hall for lecture-type classes, equipped with a set of specialised furniture; board (screen) and technical means of multimedia presentations.	
Lab work	A classroom for laboratory work, individual consultations, current and mid-term assessment; equipped with a set of specialised furniture and machinery.	equipped with special equipment (dental units, portable drill, phantoms, models) and the necessary materials (tools, medicines, filling materials). Each audience has a multimedia complex. Each audience has a multimedia complex (laptop, beamer).
Seminar	A classroom for conducting seminars, group and individual consultations, current and mid-term assessment; equipped with a set of specialised furniture and technical means for multimedia presentations.	equipped with special equipment (dental units, portable drill, phantoms, models) and the necessary materials (tools, medicines, filling materials). Each audience has a multimedia complex. Each audience has a multimedia complex (laptop, beamer).
Computer Lab	A classroom for conducting classes, group and individual consultations, current and mid-term assessment, equipped with personal computers (in the amount of ___ pcs), a board (screen) and technical means of multimedia presentations.	List of specialised software installed on computers for mastering the discipline

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
Self-studies	A classroom for independent work of students (can be used for seminars and consultations), equipped with a set of specialised furniture and computers with access to the electronic information and educational environment.	

DEVELOPERS:

Head of Conservative Dentistry

Department, Associate Professor

Z.S. Khabadze

position, department

signature

name and surname

Head of Educational Process of

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HEAD

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