

Документ подписан простой электронной подписью
Информация о владельце:
ФИО: Ястребов Олег Александрович
Должность: Ректор
Дата подписания: 28.05.2026 13:00:44
Уникальный программный ключ:
ca953a0120d891083f939673078ef1a989dae18a

**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

COURSE SYLLABUS

Clinical Dentistry

course title

Recommended by the Didactic Council for the Education Field of:

31.05.01 General Medicine

field of studies / speciality code and title

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

General Medicine

higher education programme profile/specialisation title

1. COURSE GOAL(s)

The goal of the course “Clinical Dentistry” is to equip students with the knowledge of the theory and practice of application of methods prevention hard dental tissue diseases of the oral mucosa and periodontal tissues among the various population groups, including in patients with various somatic diseases (cardiovascular system, blood disorders, diabetes, oncology patients).

The objectives of the discipline are:

- familiarity with the basic methods of examination in the mouth.
- identification of the major dental diseases
- identification and elimination of risk factors for dental diseases;
- the development of the students methods of organization and implementation of preventive measures among the various population groups in the individual and group level, including in patients with various somatic diseases (cardiovascular system, blood disorders, diabetes, oncology patients);
- development of students of dental education methods and implementation of motivating people to maintain oral health;

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) “Clinical Dentistry” is aimed at the development of the following competences /competences in part: PC-2.

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
PC-2	Being able to examine a patient in order to determine a diagnosis	PC-2.2. Being able to make a preliminary diagnosis and make up a plan of laboratory and instrumental examinations of a patient. PC-2.5. Being able to refer a patient to consult with a medical specialist if there is a medical indication 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.

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*
PC-2	Being able to examine a patient in order to determine a diagnosis	Topographic anatomy and operative surgery Pathological anatomy, clinical pathological anatomy otorhinolaryngology Propedevtika Internal Medicine	Faculty therapy Faculty surgery

* 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 is 2 credits (72 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			
		9			
<i>Contact academic hours</i>					
including:					
Lectures (LC)					
Lab work (LW)	36	36			
Seminars (workshops/tutorials) (S)					
<i>Self-studies</i>	30	30			
<i>Evaluation and assessment (exam/passing/failing grade)</i>	6	6			
Course workload	academic hours	72	72		
	credits	2	2		

* 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
Module 1. Introduction to dentistry course.	Topic 1. Aims and objectives of discipline. The role and place of a dentist in clinical medicine. Manifestation in the oral cavity some common diseases (demonstration analysis and rare cases of clinical experience chair requiring general clinical training dentists). Algorithm Diagnostics and medzhdistsiplinarnogo interaction. Principles, especially the treatment. (Symptomatic and pathogenetic therapy) A	LW

Course module title	Course module contents (topics)	Academic activities types
	<p>brief historical sketch of the development of dentistry. The main activities of the department.</p> <p>Topic 2. Clinical examination of the patient. Basic and advanced inspection methods. Mastering the skills of using dental instruments for inspection of the mouth. Methods for assessing the level index oral hygiene, the intensity of caries and periodontal tissues. Visual inspection. Dentition. Condition of the oral mucosa.</p> <p>Functional diagnostic methods. The index scoreoral hygiene level patients with different somatic pathology</p> <p>Introduction to the mode structure and dental offices tools. Organization and equipment dental office. Types of dental units.</p> <p>Vr class. Dental Anatomy.</p>	
<p>Module 2. Clinical aspects of calcium metabolism in an organism. The role of calcium in the prevention of dental diseases.</p>	<p>Topic 1. Assessment of the level of dental care.</p> <p>Planning prevention programs stages.</p> <p>A study of the prevalence and intensity of the main dental diseases: dental caries and periodontal diseases affecting the majority of the population, including patients with various somatic diseases.</p> <p>occupational health activities. Tools for removal of dental plaque. Hand, ultrasound and chemical methods of removal of dental plaque. Tools and means for polishing the surface of teeth. Means for processing the surface of the teeth and gums after occupational health</p> <p>The levels of implementation of prevention in public health practice.</p> <p>Topic 2. The purpose and objectives of WHO for the prevention of dental diseases. Experience of foreign countries and Russia in preventive and community dentistry. Keeping medical records.</p> <p>Prevention of HIV infection.</p> <p>oral hygiene products. Toothbrushes and requirements for them. Classification, composition, properties of toothpastes. Abrasive toothpastes.</p>	<p>LW</p>
<p>Module 3. Objective methods of assessing the level of oral hygiene. The practical task.</p>	<p>Topic 1. Determination hygienic state of mouth indexes Fedorova - Volodkina, Green - Vermillion Kuzminoj etc. Calculation health indexes..effectiveness of oral hygiene index.</p>	<p>LW</p>

Course module title	Course module contents (topics)	Academic activities types
	<p>detection technology. Evaluation and interpretation</p> <p>Methods for cleaning teeth. Controlled tooth brushing technique and its implementation.</p> <p>Features of learning brushing teeth children of different ages and adults.</p> <p>Topic 2. Purpose and methods of using mouthwash, elixirs, dental floss, interdental brushes, toothpicks, irrigators, brushes for tongue, gums.</p> <p>occupational health activities. Tools for removal of dental plaque. Hand, ultrasound and chemical methods of removal of dental plaque. Tools and means for polishing the surface of teeth. Means for processing the surface of the teeth and gums after occupational health.</p>	
<p>Module 4. The main dental diseases. Clinic.Diagnosis. Treatment. Prevention</p>	<p>Topic 1. Study of the prevalence and intensity of major dental diseases: dental caries without caries dental hard tissue, periodontal disease, oral mucosa diseases affecting the majority of the population, including patients with various somatic pathology.</p> <p>Topic 2. Oral mucosa diseases of the blood, gastrointestinal tract, central nervous system, cardiovascular system, kidneys, endocrine diseases, acute and chronic infectious diseases, allergic diseases.</p> <p>Klinika. Diagnostika. Treatment. prevention Manifestations in the mouth of diabetes, hypertension, blood diseases and HIV infection.</p> <p>Features a survey of cardiac patients. Clinical experience with the department. Long-term results of clinical observations.</p>	<p>LW</p>
<p>Module 5. The role of the dentist in solving interdisciplinary problems.</p>	<p>Topic 1. Parsing complex clinical cases using tools and methods for telemedicine.</p> <p>Demonstration of the department of clinical material (including a live broadcast of the clinical situations RNTSRR).</p> <p>Methods of dental examination and modern programs of dental treatment of patients with somatic pathology.</p> <p>Topic 2. 3-D CAD / CAM technology</p> <p>The volume of the preparation and design of the mouth during dental treatment of caries,</p>	<p>LW</p>

Course module title	Course module contents (topics)	Academic activities types
	<p>erosion of enamel and dentin, wedge-shaped defects of different localization.</p> <p>Modern possibilities of dental implantation.</p> <p>Restoring lost tooth structure. Indications ceramic crowns and inlays. Clinical modeling application of composite materials for eliminating the defects of hard tissues of teeth of different origin. Clinical modeling restoring teeth with crowns, veneers and tabs.</p> <p>Demonstration of dental photographs on clinical examples from the professional experience of general practice dentist.</p>	
Module 6. Overview of modern means and methods of beam diagnostics of the head and neck.	<p>Topic 1. Precancerous diseases of the oral mucosa. Oncology doctor alertness, its species.</p> <p>Isolated and combined treatment of benign and malignant tumors</p> <p>Chloe.</p> <p>Topic 2. Side effects of treatment.</p> <p>Complications in patients with cancer of the mouth and the maxillofacial region.</p> <p>Modern technologies of external beam radiotherapy. Types of radiation therapy. Brachytherapy, remote and interstitial therapy.</p> <p>Radionuclide therapy, mechanisms of influence on the tumor.</p>	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)
236 Lab-work	Classroom for laboratory work, individual consultations, routine monitoring and interim certification, equipped with a set of specialized furniture and equipment.	<p>Installing the dental chair with Hiradent 654-3 -1 pc.</p> <p>ED 240 ovens with RS422 (Binder) (9010-0101) (LLC Diaem) - 1pc.</p> <p>RC-2ZT Phantom Frasco GmbH head trainer Germany (10130120/190315/0001935) - 1 pc.</p> <p>Dental tools (set) - 10 pcs.</p>

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
		Workplace student / teacher as part of the system unit, monitor, keyboard - 1 pcs. Intraoral Camera (10125230/221108/0006472 Korea.) - 1 pc. Ultrasonic scaler DTE-7DLED - 4 pcs.
237, 436 Seminar	Classroom for laboratory work, individual consultations, routine monitoring and interim certification, equipped with a set of specialized furniture and equipment.	Classroom, Equipped with a set of specialized furniture, whiteboard;a set of devices includes portable multimedia projector, laptop,projection screen,stable wireless Internet connection. Software: Microsoft Windows,MS Office\Office 365,MS TEAMS,Chrome Monitor LED LG 55" 55UF771V Ultra HD, 100Hz, DVB-T2, DVB-C, DVB-S2, USB, WiFi
437 Computer Lab	Classroom for laboratory work, individual consultations, routine monitoring and interim certification, equipped with a set of specialized furniture and equipment.	Classroom, Equipped with a set of specialized furniture, whiteboard;a set of devices includes portable multimedia projector, laptop,projection screen,stable wireless Internet connection. Software: Microsoft Windows,MS Office\Office 365,MS TEAMS,Chrome Monitor LED LG 55" 55UF771V Ultra HD, 100Hz, DVB-T2, DVB-C, DVB-S2, USB, WiFi The workplace of the student / teacher as part of the system unit, monitor, keyboard - 8 pcs., there is an Internet connection. Software: Windows 8.1 Corporate (Microsoft Office Professional Plus 2007,

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
		Corporate Licensing Program (Microsoft Subscription) Enrollment for Education Solutions № 86626883от 01.04.2018 г.) Sirona Wibv-systems 1001-02-160-0445 №№ 1)2-3067086, 2016 2)2-2707139 , 2016 3)2-2707136 , 2016 4)2-2707154 , 2016 5)2-2536154 , 2016 6)2-2707122 , 2016 7)2-2695658 , 2016 8)2-2707144 , 2016

* The premises for students' self-studies are subject to **MANDATORY** mention

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Prevention and public dental health = Профилактика и коммунальная стоматология : учебное пособие : в 2 частях. Часть 1 / А.М. Аванесов, Е.Н. Гвоздикова, К.А. Аванесов [et al.]. - Москва : РУДН, 2023. - 134 с. : ил. - Книга на английском языке.
2. Therapeutic dentistry = Терапевтическая стоматология : textbook / О.О. Yanushevich, Y.M. Maximovskiy, L.N. Maximovskaya, L.Y. Orekhova. - 3-rd ed. - Moscow : GEOTAR-Media, 2021. - 661 p. : il. - Книга на английском языке.
3. Orthodontics. Modern Methods of Diagnosing Dental Abnormalities, Dentition and Occlusion : tutorial : учебное пособие / L.S. Persin, A.B. Slabkovskaia, N.S. Drobysheva [и др.]. - Электронные текстовые данные. - Москва : ГЭОТАР-Медиа, 2021. - 160 с. - Книга на английском языке.
URL: https://lib.rudn.ru/MegaPro/UserEntry?Action=Link_FindDoc&id=508865&idb=0

Additional readings:

1. Introduction to prosthetic dentistry : textbook / A.V. Sevbitov, M.Y. Kuznetsova, V.V. Borisov [и др.] ; ed. by A.V. Sevbitov. - Книга на английском языке. - Moscow : Medical Informational Agency, 2020. - 54 p. : il.
2. Introduction to endodontics : textbook / A.V. Sevbitov, M.Y. Kuznetsova, A.E. Dorofeev [et al.] ; ed. by A.V. Sevbitov. - Книга на английском языке. - Moscow : Medical Informational Agency, 2021. - 100 p. : il.
3. Anaesthesia and Sedation in Dentistry [Текст] : Монография / Ed. by M.P. Coplans and R.A. Green. - Книга на английском языке. - Amsterdam ; New York : Elsevier, 1983. - 421 p. : il. - (Monographs in anaesthesiology ; V. 12). - 38.91

4. Application of the International classification of diseases to dentistry and stomatology. ICD-DA [Текст] . - Книга на английском языке. - Geneva : World health organization, 1973. - 114p. : il. - 0.00.

5. American Pocket medical dictionary [Текст] : A dictionary of the Principal Terms Used in Medicine, Nursing, Pharmacy, Dentistry, Veterinary Science, and Allied Biological Subjects. - 19th ed. ; Книга на английском языке. - Philadelphia-London : W.B.Saunders, 1953. - 639 p. : il. - 2.50.

c) Internet sources:

Electronic libraries with access for RUDN students:

<http://lib.rudn.ru/MegaPro/Web>

<http://www.biblioclub.ru>

<http://www.biblio-online.ru>

www.studentlibrary.ru

<http://e.lanbook.com/>

Databases and search engines:

<http://docs.cntd.ru/>

<https://www.yandex.ru/>

<https://www.google.ru/>

<http://www.elsevierscience.ru/products/scopus/>

DEVELOPERS:

Associate Professor of the
Department of General and
Clinical Dentistry
named after Dmitriev V.S

position, department

signature

E.N. Gvozdikova

name and surname

Head of the Department of
General and Clinical Dentistry
named after Dmitriev V.S

position, department

signature

A.M. Avanesov

name and surname

HEAD OF EDUCATIONAL DEPARTMENT:

of the Department of General

and Clinical Dentistry

named after Dmitriev V.S

name of department

signature

A.M. Avanesov

name and surname

HEAD

OF HIGHER EDUCATION PROGRAMME:

Head of the Department of

General Medical Practice

position, department

signature

N.V.Sturov

name and surname