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

**Institute of Medicine**

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

**COURSE SYLLABUS**

**Pediatric dentistry**

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course title

**Recommended by the Didactic Council for the Education Field of:**

**31.05.03 Dentistry**

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field of studies / speciality code and title

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

**31.05.03 Dentistry**

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higher education programme profile/specialisation title

**2022-2023**

## 1. COURSE GOAL(s)

The goal of the course "**Pediatric Dentistry**" is to equip students with knowledge skills and knowledge in the field of pediatric dentistry.

## 2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) "**Pediatric Dentistry**" is aimed at the development of the following competences /competences in part: **GC-1.1; GPC-1.1; GPC-1.3; GPC-2.1; GPC-2.2; GPC-2.3; GPC-4.1; GPC-4.3; GPC-5.1; GPC-5.2; GPC-5.3; GPC-5.4; GPC-5.5; GPC-5.6; GPC-5.8; GPC-5.9; GPC-6.1; GPC-6.2; GPC-6.3; GPC-6.4; GPC-6.5; GPC-6.9; GPC-9.1; GPC-9.2; GPC-9.3; PC-1.1; PC-1.2; PC-1.3; PC-1.5; PC-1.6; PC-2.1; PC-2.2; PC-2.3; PC-2.4; PC-2.5; PC-2.8; PC-2.9; PC-5.1**

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
<b>GC-1.</b>	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy.	<b>GC-1.1.</b> Analyze the problem situation as a system, identifying its components and the links between them.
<b>GPC-1.</b>	Able to implement moral and legal norms, ethical and deontological principles in professional activities	<b>GPC-1.1.</b> Complies with the basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical activity.
		<b>GPC-1.3.</b> He has practical experience in solving standard tasks of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice.
<b>GPC-2.</b>	Able to analyze the results of their own activities to prevent	<b>GPC-2.1.</b> Analyzes the causes of professional errors, adverse outcomes of treatment and conflict situations.
		<b>GPC-2.2.</b> Scientifically substantiates and implements recommendations aimed at improving the medical and legal training of dentists, at preventing professional errors, adverse outcomes

	professional errors	and conflict situations. <b>GPC-2.3.</b> Evaluates the effectiveness of preventive measures aimed at preventing professional errors, adverse outcomes and conflict situations in dentistry
<b>GPC-4.</b>	Able to conduct and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population	<b>GPC-4.1.</b> Analyzes the awareness of the population about a healthy lifestyle and medical literacy.
		<b>GPC-4.3.</b> Prepares an oral presentation or printed text that promotes a healthy lifestyle and increases the literacy of the population in the prevention of dental diseases.
<b>GPC-5.</b>	Able to conduct a patient examination in order to establish a diagnosis in solving professional problems	<b>GPC-5.1.</b> Collects an anamnesis, analyzing the patient's complaints, conducting a physical examination at a dental appointment.
		<b>GPC-5.2.</b> Formulates a preliminary diagnosis and draws up a plan for laboratory and instrumental examinations of a dental patient.
		<b>GPC-5.3.</b> Prepares medical documentation of the dental patient in accordance with regulatory requirements.
		<b>GPC-5.4.</b> Refers the patient for a laboratory examination if there are medical indications 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 dental care.
		<b>GPC-5.5.</b> Refers the patient for an instrumental examination if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of dental care, taking into account the standards.
		<b>GPC-5.6.</b> Refers the patient for a consultation with specialist doctors if 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 standards.
		<b>GPC-5.8.</b> Conducts differential diagnosis with other diseases/conditions, including urgent ones.
		<b>GPC-5.9.</b> Establishes a diagnosis, taking into account the current international statistical classification of diseases and health-related problems.
<b>GPC-6.</b>	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional problems	<b>GPC-6.1.</b> 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.
		<b>GPC-6.2.</b> P 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.
		<b>GPC-6.3.</b> Evaluates possible side effects from taking medications.
		<b>GPC-6.4.</b> Provides medical care to a dental patient in urgent or emergency forms.
		<b>GPC-6.5.</b> Organizes the prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic procedures, the use of drugs and (or) medical devices, non-drug treatment at a dental appointment.
		<b>GPC-6.9.</b> Evaluates the effectiveness and safety of the use of medicines, medical devices and other methods of treatment at a dental appointment
<b>GPC-9.</b>	Able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve professional problems	<b>GPC-9.1.</b> Owns the algorithm of clinical laboratory and functional diagnostics in solving professional problems.
		<b>GPC-9.2.</b> Evaluates the results of clinical, laboratory and functional diagnostics in solving professional problems.
		<b>GPC-9.3.</b> Determines the morphofunctional, physiological states and pathological processes of the human body.

<b>PC-1.</b>	Able to conduct examination of the patient in order to establish a diagnosis.	<b>PC-1.1.</b> Conducts initial and/or re-examination of the patient in order to establish a preliminary diagnosis.
		<b>PC-1.2.</b> Receives information from patients (their relatives/legal representatives), conducts a survey of patients on the subject of general health, identifying concomitant diseases in order to establish a preliminary diagnosis.
		<b>PC-1.3.</b> Detects dentoalveolar, facial anomalies, deformities and prerequisites for their development, defects in the crowns of teeth and dentition in patients based on examination of the patient, laboratory, instrumental, as well as additional examinations in order to establish a preliminary / final diagnosis.
		<b>PC-1.5.</b> Establishes a preliminary / final diagnosis based on the examination of the patient, laboratory and instrumental studies.
		<b>PC-1.6.</b> Establishes the final diagnosis on the basis of additional examinations of patients.
<b>PC-2.</b>	Capable of prescribing, monitoring the efficacy and safety of non-drug and drug treatments	<b>PC-2.1.</b> 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.
		<b>PC-2.2.</b> Conducts the selection of drugs and medical devices (including dental materials) for the treatment of dental diseases, assessing possible side effects from taking drugs.
		<b>PC-2.3.</b> 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.
		<b>PC-2.4.</b> Selects the type of local anesthesia / anesthesia and evaluates possible complications caused by their use.
		<b>PC-2.5.</b> Conducts a specialized reception of adults and / or children, monitoring the course of treatment of caries, non-carious 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.
		<b>PC-2.8.</b> Carries out observation and treatment of diseases of the mucous membrane of the oral cavity, lips, with the exception of a specialized appointment for the treatment of precancers of the mucous membrane of the oral cavity and lips and the treatment of children with manifestations of viral, bacterial, allergic and other childhood infections in the oral cavity.
		<b>PC-2.9.</b> Conducts a phased sanitation of the oral cavity (excluding sanitation of children under anesthesia).
<b>PC-5.</b>	Able to conduct sanitary and hygienic education among the population and medical workers in order to form a healthy lifestyle	<b>PC-5.1.</b> Forms in patients (their relatives/legal representatives) the motivation to lead a healthy lifestyle and give up bad habits.

### 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*
<b>Generic competencies</b>			
GC-1.	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy.	<ul style="list-style-type: none"> <li>• Propaedeutics of dental diseases</li> <li>• Prevention and Community Dentistry</li> <li>• Cariesology and disease of hard tissues of teeth</li> <li>• Endodontics</li> <li>• Local anesthesia and</li> </ul>	<ul style="list-style-type: none"> <li>• Pediatric maxillofacial surgery</li> <li>• Maxillofacial prosthetics</li> <li>• Orthodontics and pediatric prosthetics</li> </ul>

		<ul style="list-style-type: none"> <li>anesthesiology in dentistry</li> <li>Dental prosthetics (simple prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>Clinical dentistry</li> </ul>
<b>General professional competencies</b>			
GPC-1	GPC-1. Able to implement moral and legal norms, ethical and deontological principles in professional activities	<ul style="list-style-type: none"> <li>Propaedeutics of dental diseases</li> <li>Prevention and Community Dentistry</li> <li>Cariesology and disease of hard tissues of teeth</li> <li>Endodontics</li> <li>Local anesthesia and anesthesiology in dentistry</li> <li>Dental prosthetics (simple prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>Pediatric maxillofacial surgery</li> <li>Maxillofacial prosthetics</li> <li>Pediatric Dentistry Clinical Dentistry</li> <li>medical rehabilitation</li> </ul>
GPC-2.	GPC-2. Able to analyze the results of their own activities to prevent professional errors	<ul style="list-style-type: none"> <li>Propaedeutics of dental diseases</li> <li>Prevention and Community Dentistry</li> <li>Cariesology and disease of hard tissues of teeth</li> <li>Endodontics</li> <li>Local anesthesia and anesthesiology in dentistry</li> <li>Dental prosthetics (simple prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>Pediatric maxillofacial surgery</li> <li>Maxillofacial prosthetics</li> <li>Pediatric Dentistry Clinical Dentistry</li> <li>medical rehabilitation</li> </ul>
GPC-4.	GPC-4. Able to conduct and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population	<ul style="list-style-type: none"> <li>Prevention and Community Dentistry</li> <li>Public health and healthcare</li> <li>Hygiene</li> </ul>	<ul style="list-style-type: none"> <li>Pediatric maxillofacial surgery</li> <li>Maxillofacial prosthetics</li> <li>Orthodontics and pediatric prosthetics</li> <li>Clinical dentistry</li> <li>medical rehabilitation</li> </ul>
GPC-5	GPC-5. Able to conduct a patient examination in order to establish a	<ul style="list-style-type: none"> <li>Propaedeutics of dental diseases</li> <li>Cariesology and disease of hard tissues of teeth</li> </ul>	<ul style="list-style-type: none"> <li>Pediatric maxillofacial surgery</li> <li>Maxillofacial</li> </ul>

	diagnosis in solving professional problems	<ul style="list-style-type: none"> <li>•Endodontics</li> <li>•Local anesthesia and anesthesiology in dentistry</li> <li>•Dental prosthetics (simple prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>prosthetics</li> <li>• Orthodontics and pediatric prosthetics</li> <li>• Clinical dentistry</li> </ul>
GPC-6.	GPC-6. Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional problems	<ul style="list-style-type: none"> <li>•Cariesology and disease of hard tissues of teeth</li> <li>•Endodontics</li> <li>•Local anesthesia and anesthesiology in dentistry</li> <li>•Dental prosthetics (simple prosthetics)</li> <li>•Pharmacology</li> </ul>	<ul style="list-style-type: none"> <li>• Pediatric maxillofacial surgery</li> <li>• Maxillofacial prosthetics</li> <li>• Pediatric Dentistry Clinical Dentistry</li> </ul>
GPC-9.	GPC-9. Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems	<ul style="list-style-type: none"> <li>•Propaedeutics of dental diseases</li> <li>•Cariesology and disease of hard tissues of teeth</li> <li>•Endodontics</li> <li>•Local anesthesia and anesthesiology in dentistry</li> <li>•Dental prosthetics (simple prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>• Pediatric maxillofacial surgery</li> <li>• Maxillofacial prosthetics</li> <li>• Pediatric Dentistry Clinical Dentistry</li> <li>• medical rehabilitation</li> </ul>
PC-1	PC-1. Able to conduct examination of the patient in order to establish a diagnosis.	<ul style="list-style-type: none"> <li>•Propaedeutics of dental diseases</li> <li>•Cariesology and disease of hard tissues of teeth</li> <li>•Endodontics</li> <li>•Local anesthesia and anesthesiology in dentistry</li> <li>•Dental prosthetics (simple prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>• Pediatric maxillofacial surgery</li> <li>• Maxillofacial prosthetics</li> <li>• Pediatric Dentistry Clinical Dentistry</li> <li>• medical rehabilitation</li> </ul>
PC-1	PC-2. Capable of prescribing, monitoring the efficacy and safety of non-drug and drug treatments	<ul style="list-style-type: none"> <li>•Propaedeutics of dental diseases</li> <li>•Cariesology and disease of hard tissues of teeth</li> <li>•Endodontics</li> <li>•Local anesthesia and anesthesiology in dentistry</li> <li>•Dental prosthetics (simple prosthetics)</li> </ul>	<ul style="list-style-type: none"> <li>• Pediatric maxillofacial surgery</li> <li>• Maxillofacial prosthetics</li> <li>• Orthodontics and pediatric prosthetics</li> <li>• Clinical dentistry</li> <li>• medical rehabilitation</li> </ul>
PC_5	PC-5. Able to conduct sanitary and hygienic	<ul style="list-style-type: none"> <li>•Propaedeutics of dental diseases</li> <li>•Cariesology and disease of</li> </ul>	<ul style="list-style-type: none"> <li>• Pediatric maxillofacial surgery</li> </ul>



	education among the population and medical workers in order to form a healthy lifestyle	hard tissues of teeth • Endodontics • Local anesthesia and anesthesiology in dentistry • Dental prosthetics (simple prosthetics)	• Orthodontics and pediatric prosthetics • Clinical dentistry • medical rehabilitation
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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 is 4 credits (144 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	82	48	34		
including:					
Lectures (LC)	-	-	-		
Lab work (LW)	82	48	34		
Seminars (workshops/tutorials) (S)	-	-	-		
Self-studies	62	24	38		
Evaluation and assessment (exam/passing/failing grade)	-	-	-		
Course workload	academic hours	144	72	72	
	credits	4	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
	<b>Module 1.</b> Dental caries in children. Anatomical and physiological features of teeth in children. Methods of examining a child in the clinic of pediatric therapeutic dentistry. Etiology and pathogenesis of dental caries in children. classification of caries. Clinical features of the course of dental caries in children of different age groups. Diagnostic methods. Enamel caries of temporary and permanent teeth in children. Caries of the dentin of temporary and permanent teeth. Diagnostics. Caries cement temporary and permanent	LW

Course module title	Course module contents (topics)	Academic activities types
	teeth. Suspended dental caries. Treatment of caries of temporary and permanent teeth. Complications in the treatment of dental caries in children. Prevention of caries.	
	<b>Module 2.</b> Non-cariou lesions of the teeth. Pathology of hard tissues of the tooth during their follicular development. Systemic enamel hypoplasia. local hypoplasia. Tetracycline teeth. Other types of SGE. Endemic dental fluorosis. Diagnostics. Treatment. enamel hyperplasia. Hereditary disorders of the development of dental tissues. Hereditary amelogenesis imperfecta. Hereditary disorders of the development of dental tissues. Imperfect dentinogenesis and odontogenesis.	LW
	<b>Module 3.</b> Pulpitis in children. Anatomical and physiological features of the structure of the pulp of temporary and permanent teeth in children of different ages. Etiology and pathogenesis of pulpitis. Classification. Clinic. Methods for assessing the condition of the pulp in children. Diagnosis of pulpitis in children. Methods of treatment of pulpitis of milk and permanent teeth in children. Conservative method of treatment of pulpitis of temporary and permanent teeth in children. Vital and devital methods of treatment of pulpitis of temporary and permanent teeth in children (pulpotomy, extirpation). Treatment of pulpitis in children under anesthesia. Mistakes and complications in the diagnosis and treatment of pulpitis in children.	LW
	<b>Module 4.</b> Anatomical and physiological features of the periodontal structure of temporary and permanent teeth in children of different ages. Periodontitis in children. Classification and clinical picture of periodontitis in children. Diagnosis and differential diagnosis of periodontitis. Treatment of periodontitis of temporary teeth in children. Treatment of periodontitis of permanent teeth with unformed (apexification) and formed roots. Long-term results of treatment of periodontitis of teeth	LW

Course module title	Course module contents (topics)	Academic activities types
	in children. Emergency dental care for children. Emergency dental care for acute and exacerbation of chronic pulpitis in children.	
	<b>Module 5.</b> Traumatic injuries of teeth in children.	LW
	<b>Module 7.</b> Periodontal diseases in children. Anatomical and physiological features of the periodontium in children. Periodontal disease in childhood. Classification. Gingivitis. Periodontitis in childhood. Idiopathic diseases with progressive lysis of periodontal tissues. Clinic. Diagnostics.	LW

## 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	An auditorium for lecture-type classes, equipped with a set of specialized furniture; board (screen) and technical means of multimedia presentations. A variety of equipment is used for classroom activities: (visual aids, dental equipment and surgical instruments for extraction of teeth, phantoms, drugs, extracted teeth, x-rays, computer presentation, computers, projector, tables, dental equipment and surgical instruments for emergency care ), (classrooms 245, 249)	Training room for conducting lecture and seminar classes, group and individual consultations, current control and intermediate certification. A set of specialized furniture; technical means: multimedia projector, laptop, WiFi available Internet access. Software: Microsoft products (OS, office suite, including MS Office / Office 365, Teams)
Lab work	An auditorium for laboratory work, individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and equipment.	
Phantom Class	Cabinets of children's dental clinics with appropriate equipment, instruments, medical equipment,	

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
	preventive measures;	
Self-studies	Classroom for self-studies of students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to the internet.	

## 7. RESOURCES RECOMMENDED FOR COURSE STUDY

### 1. Main readings:

- Pediatric therapeutic dentistry. National leadership / ed. VC. Leontiev, L.P. Kiselnikova. – 2nd ed., revised and supplemented. - M., GEOTAR-Media, 2017. - 952 p.: ill. - ISBN 978-5-9704-4019-3.
- Persin L. S., Elizarova V. M., Dyakova S. V. Dentistry of children's age // M.: Medicine. - 2003. - 640 p.: ill. - ISBN 5-225-04354-2.
- Children's dentistry: textbook / ed. O.O. Yanushevich, L.P. Kiselnikova, Shch.Z. Topolnitsky. - M.: GEOTAR-Media, 2020. - 744 p.: ill. - ISBN 978-5-9704-5318-6.

### Additional literature:

#### Printed publications:

- Vinogradova T.F. Atlas of dental diseases in children: Study guide / T.F. Vinogradov. - M.: MEDpress-inform, 2007. - 167 p.: ill. - ISBN 5-98322-244-9.
- Dental caries in childhood. Modern methods of diagnosis and treatment: textbook / A.E. Anurova, T.F. Kosyreva, V.V. Safroshkina, O.M. Davidyan. - Moscow: RUDN University, 2017. - 95 p.: ill.
- Modern methods of diagnosis and treatment of pulpitis in children: textbook / A.E. Anurova, O.M. Davidyan, T.F. Kosyreva, V.V. Safroshkin. - Moscow: RUDN University, 2016. - 72 p.: ill.
- Diseases of the mucous membrane of the oral cavity and lips in children / edited by L.N. Kazari-noy . - Nizhny Novgorod: Publishing house NGMA.m2004. - 264s.
- Handbook of Pediatric Dentistry / ed. A.Cameron, R.Widmer.- M.: "MEDpress-inform", 2003.- 287p.
- Dental trauma in children [Electronic resource ]: Educational and methodological manual / Comp.: T.F. Kosyreva, V.V. Safroshkina, O.M. Davidyan, E.S. Zaporozhskaya-Abramova. - Electronic text data. - M. : Publishing House of RUDN University, 2014. - 40 p. - ISBN 978-5-209-05964-6.
- Pharmacotherapy in pediatric dentistry [text] / E.V. Zoryan // Clinical Dentistry. - 2012. - No. 2. - S. 6 - 10 .

8. Drugs in pediatric dentistry: textbook /. - Minsk: Higher School, 2017. - 320 p. - Bibliography: p. 305 - ISBN 978-985-06-2717-9 ; The same [Electronic resource]. - URL: <http://biblioclub.ru/index.php?page=book&id=480060> (04/08/2019).
9. General anesthesia and sedation in pediatric dentistry [Electronic resource ]: A guide. - M. : GEOTAR-Media, 2007. - 184 p. - ISBN 978-5-9704-0505-5.

### **Information support of discipline**

- a) Information technologies used in the educational process:
  - Problem lectures
  - Role and business games
  - Computer presentations during theoretical and practical classes
- b) Software
  - training computer programs prepared using the Microsoft Office application package
  - controlling computer programs prepared using the Microsoft Office application package
- c) Information reference systems
  - selection of lecture material on CDs, video films
- d) databases, information and reference and search systems
  - RUDN Electronic Library System - RUDN EBS <http://lib.rudn.ru/MegaPro/Web>
  - ELS "University Library Online" <http://www.biblioclub.ru>
  - EBS "Lan" <http://e.lanbook.com/>
  - scientific electronic library eLibrary
  - PubMed international citation database
  - publishing house of academic medical literature Elsevier
  - information and educational portal for doctors Univadis
  - electronic educational resource "Telecommunication educational and information system" of RUDN University
  - cathedral site

#### *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/>

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.elsevier.com/products/scopus/>

#### *Learning toolkits for self-studies during the development of the discipline\*:*

1. A course of lectures on the discipline " **Pediatric Dentistry** ".

2. Methodological Guidelines for the implementation and execution of control and independent work on the discipline " **Pediatric Dentistry** "

\* - all educational and methodological materials for independent work of students are placed in accordance with the current procedure on the page of the discipline **in TUIS** (the university telecommunication educational and information system).

*Training toolkit for self- studies to master the course* \*:

1. The set of lectures on the course "**Pediatric Dentistry**".
2. The laboratory workshop (if any).on the course "**Pediatric Dentistry**".

3. The guidelines for writing a course paper / project (if any) on the course "**Pediatric Dentistry**".

4. ....

\* The training toolkit for self- studies to master the course is placed on the course 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 UPON COURSE COMPLETION**

The assessment toolkit and the grading system\* to evaluate the competences formation level (GC-1.1; GPC-1.1; GPC-1.3; GPC-2.1; GPC-2.2; GPC-2.3; GPC-4.1; GPC-4.3; GPC-5.1; GPC-5.2; GPC-5.3; GPC-5.4; GPC-5.5; GPC-5.6; GPC-5.8; GPC-5.9; GPC-6.1; GPC-6.2; GPC-6.3; GPC-6.4; GPC-6.5; GPC-6.9; GPC-9.1; GPC-9.2; GPC-9.3; PC-1.1; PC-1.2; PC-1.3; PC-1.5; PC-1.6; PC-2.1; PC-2.2; PC-2.3; PC-2.4; PC-2.5; PC-2.8; PC-2.9; PC-5.1) upon the course study completion are specified in the Appendix to the course 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).

### **DEVELOPERS:**

Senior Lecturer, department  
of pediatric dentistry and  
orthodontics

\_\_\_\_\_  
position, department

O.M. Davidyan

\_\_\_\_\_  
Signature

\_\_\_\_\_  
name and surname.

Senior Lecturer, department  
of pediatric dentistry and  
orthodontics

\_\_\_\_\_  
Position, department

Imad Katbeh

\_\_\_\_\_  
Signature

\_\_\_\_\_  
name and surname.

### **HEAD OF EDUCATIONAL DEPARTMENT:**

Department of Pediatric  
Dentistry and Orthodontics

N.S. Tuturov

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educational department

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Signature

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name and surname.

**HEAD  
OF HIGHER EDUCATION PROGRAMME:**

Head department, professor  
Of the Department of  
propaedeutics of dental  
diseases

S.N. Razumova

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Position, educational department

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Signature

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name and surname.