

Документ подписан простой электронной подписью
Информация о владельце:
ФИО: Ястребов Олег Александрович
Должность: Ректор
Дата подписания: 04.10.2024 14:01:50
Уникальный программный ключ:
ca953a0120d891083f939673078ef1a989dae18a

**Federal State Autonomous Educational Institution for 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

PEDIATRICS

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:**

31.05.03 Dentistry

higher education programme profile/specialisation title

2024-2025

1. COURSE GOAL(s)

The discipline “Pediatrics” is included in the specialty program “Dentistry” in the field 05.31.03 “Dentistry” and is studied in the 9th semester in the 5th year. The discipline is implemented by the Department of Pediatrics. The discipline consists of 3 sections and 18 topics and is aimed at studying and improving basic, fundamental medical knowledge in the field of pediatrics, forming the professional competencies of a doctor capable of successfully solving professional problems.

The goal of the course is to train qualified doctors with theoretical and practical knowledge, skills and abilities in the field of diagnosis, emergency care, treatment tactics, medical examination and prevention of the most common diseases in children and adolescents.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) “Pediatrics is aimed at the development of the following competences /competences in part: GPC-5, GPC-6, GPC-12.

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC-12	Able to implement and monitor the effectiveness of medical rehabilitation of a dental patient	GPC-12.1. Develops 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.
GPC-5	Able to examine patients to determine a diagnosis while carrying out professional duties	GPC-5.8. Conducts a differential diagnosis with other diseases/conditions, including urgent ones.
GPC-6	Able to prescribe non-pharmacological and pharmacological treatment, as well as monitor its efficacy and safety while performing professional duties	GPC-6.1. Develops a plan of treatment of dental disease 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 standards of medical care. GPC-6.6. Organizes personalized treatment of a dental patient, including elderly and senile patients, pregnant women, children with somatic pathologies; evaluates the efficacy and safety of treatment.

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-5	Able to examine patients to determine a diagnosis while carrying out professional duties	Dentist's (orthopedist) assistant; Dermatovenerology; Pediatric dentistry; Dental prosthetics (simple prosthetics); Cariesology and diseases of hard dental tissues; Local anesthesia and anesthesiology in dentistry; General surgery; Orthodontics and pediatric prosthetics; Propaedeutics of dental diseases; Dental prosthetics (complex prosthetics); Prosthetics in complete absence of teeth; Surgical diseases; Oral surgery; Maxillofacial and gnathic surgery; Internal diseases; Neurology; Periodontology; Psychiatry and Narcology; Endodontics; Ophthalmology;	Gnathology and functional diagnostics of the temporomandibular joint; Pediatric maxillofacial surgery; Maxillofacial and gnathic surgery; Maxillofacial prosthetics; Geriatric dentistry and diseases of the oral mucosa; Implantology and reconstructive surgery of the oral cavity;

		Emergency conditions in outpatient dental practice; Pathological anatomy – Pathological anatomy of the head and neck; Obstetrics;	
GPC-6	Able to prescribe non-pharmacological and pharmacological treatment, as well as monitor its efficacy and safety while performing professional duties	Dermatovenereology; Pediatric dentistry; Dental prosthetics (simple prosthetics); Immunology, clinical immunology; Cariesology and diseases of hard dental tissues; General surgery; Orthodontics and pediatric prosthetics; Dental prosthetics (complex prosthetics); Prosthetics in complete absence of teeth; Surgical diseases; Oral surgery; Maxillofacial and gnathic surgery; Fundamentals of military training. Safety of life Internal diseases; Neurology; Periodontology; Psychiatry and Narcology; Endodontics; Pharmacology; Materials Science; Obstetrics; Emergency conditions in outpatient dental practice;	Gnathology and functional diagnostics of the temporomandibular joint; Pediatric maxillofacial surgery; Implantology and reconstructive surgery of the oral cavity; Clinical dentistry; Maxillofacial and gnathic surgery; Maxillofacial prosthetics; Geriatric dentistry and diseases of the oral mucosa; Clinical pharmacology;
GPC-12	Able to implement and monitor the effectiveness of medical rehabilitation of a dental patient	Maxillofacial and gnathic surgery;	Clinical dentistry; Maxillofacial and gnathic surgery; Maxillofacial prosthetics;

* 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 “Pediatrics” is 3 credits (108 academic hours).

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

Types of academic activities		TOTAL, academic hours	Semester(s)
			9
<i>Classroom learning, academic hours</i>		64	64
Lectures (L)		0	0
Lab work (LW)		64	64
Seminars (workshops/tutorials) (S)		0	0
<i>Self-study, academic hours</i>		26	26
<i>Evaluation and assessment (exam or pass/fail grading), academic hours</i>		18	18
Total course workload	academic hours	108	108
	credits	3	3

5. COURSE CONTENTS

Table 5.1. Course content (modules) according to type of academic activity

Course module title	Course module contents (topics)	Academic activities types
Module 1 Patterns of growth and development of children	1.1. Periods of childhood. Physical, neuropsychological and sexual development of children. Criteria of classification of childhood into periods. Criteria of assessment of normal development and its abnormalities. Features of dental treatment of children with attention deficit disorder.	LW
	1.2. Physical development	LW
	1.3. Features of the formation of the dental system in childhood	LW
	1.4. Anatomical and physiological features of the musculoskeletal system. Diseases of the musculoskeletal system (Rickets)	LW
Module 2 The main somatic diseases of children	2.1. The newborn baby. Borderline states of the newborn. Prematurity. IUGR. Perinatal CNS	LW

Course module title	Course module contents (topics)	Academic activities types
	injury. Neonatal infections. Candidal stomatitis. Neonatal jaundice.	
	2.2. The child with cough. Bronchitis, pneumonia, cystic fibrosis. Features of dental care for children with chronic bronchopulmonary diseases	LW
	2.3. Bronchial asthma. Allergic rhinitis. Atopic dermatitis. Clinical and diagnostic signs of allergic diseases of the oral mucosa in children.	LW
	2.4. Congenital heart defects. Minor developmental anomalies. Non-rheumatic carditis. Infectious endocarditis. Antibacterial prevention of infectious endocarditis in dental treatment. Juvenile arterial hypertension. Features of dental care for children with heart and vascular diseases.	LW
	2.5. Diseases of the urinary system. Urinary tract infections. Glomerulonephritis. Changes in the oral cavity in chronic kidney disease.	LW
	2.6. Diseases of the gastrointestinal tract. Dental aspects of gastroenterological diseases.	LW
	2.7. Endocrine diseases. Chronic eating disorders. Diabetes mellitus. Diseases of the thyroid gland. Features of the development of the dental system in nutritional and metabolic disorders of children.	LW
Module 3 Pediatric infectious diseases	3.1. Exanthema: measles, rubella, parvovirus infection.	LW
	3.2. Enterovirus infections. Poliomyelitis	LW
	3.3. Mumps, diphtheria	LW
	3.4. Meningeal syndrome. Bacterial and viral meningitis. Meningococcal infection..	LW
	3.5. Streptococcal infection. Scarlet fever. Yersiniosis. Pseudotuberculosis.	LW
	3.6. Herpes infection.	LW

Course module title	Course module contents (topics)	Academic activities types
	3.7. Acute intestinal infections. Hemolytic uremic syndrome	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)
Lab-work	A classroom for conducting seminar-type classes, group and individual consultations, continuous assessments and mid-term assessment, equipped with a set of specialized furniture and multimedia presentation equipment.	Set of specialized furniture; technical equipment: NEC VT59 multimedia projector, ASUS X50M and Dell Latitude D631 laptops, there is Internet access. Software: Microsoft products (OS, office application package, including MS Office / Office 365, Teams, Skype).
Self-studies	Classroom for students' independent work (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to EIES.	

7. RECOMMENDED SOURCES for COURSE STUDIES

Main readings:

1. Robert M. Kliegman, Brett J. Bordini, Heather Toth et al. Nelson Pediatric Symptom-Based Diagnosis: Common Diseases and their Mimics. Elsevier, 2022. ISBN 978-0-323-76174-1. DOI: <https://doi.org/10.1016/C2019-0-01335-0>
2. Sarah S. Long. Principles and Practice of Pediatric Infectious Diseases. Elsevier, 2022. ISBN 978-0-323-75608-2. DOI <https://doi.org/10.1016/C2019-0-00075-1>

Additional readings:

2. Neonatal and Pediatric Cerebro-Cardiopulmonary Resuscitation / Michael Shoykhet [et al.]. 2018. 1 c. ISBN 9782889456598 URL: <https://www.frontiersin.org/research-topics/4942/neonatal-and-pediatric-cerebro-cardio-pulmonary-resuscitation-ccpr>
3. Wynn J.L., Bliss J.M.. The Neonatal Immune System: A Unique Host-Microbial Interface, 2018. 1 c. ISBN 9782889454037 URL: <https://www.frontiersin.org/research-topics/5017/the-neonatal-immune-system-a-unique-host-microbial-interface>
4. Lissauer Tom. Illustrated Textbook of Paediatrics / T. Lissauer, W. Carrol. - Fifth Edition - China : Elsevier, 2017. - 583 p.: il. - ISBN 978-0-7234-3871-7: 6113.30.
5. Soumen Khatua (Ed.), Natasha Pillay Smiley (Ed.). Update in Pediatric Neuro-Oncology, 2019. 1 c. ISBN 9783038975397 URL: <https://www.mdpi.com/books/pdfview/book/1112>.
6. Giovanni Biglino, Adelaide de Vecchi. Ventricular Mechanics in Congenital Heart Disease, 2017. 1 c. ISBN 9782889452644 URL: <http://journal.frontiersin.org/researchtopic/4933/ventricular-mechanics-in-congenital-heart-disease>
7. Tammy M. Brady, Ibrahim F. Shatat. Pediatric Hypertension: Update, 2018. 1 c. ISBN 9782889456543 URL: <https://www.frontiersin.org/research-topics/5269/pediatric-hypertension-update>
8. Stefan J. Friedrichsdorf (Ed.). Pediatric Palliative Care, 2019. 1 c. ISBN 9783038973508 URL: <https://www.mdpi.com/books/pdfview/book/1130>
9. Carlo Caffarelli, Luis Garcia-Marcos, Kostas N. Priftis. The Parallel March of Asthma and Allergy in Childhood: A Multi-Perspective Approach, 2018. 1 c. ISBN 9782889455294 URL: <https://www.frontiersin.org/research-topics/4997/the-parallel-march-of-asthma-and-allergy-in-childhood-a-multi-perspective-approach>
10. Frederick Jeffrey Kaskel, Agnieszka Swiatecka-Urban, Robert P. Woroniecki. Nephrotic Syndrome in Pediatric Patients, 2017. 1 c. ISBN 9782889452989 URL: <https://www.frontiersin.org/research-topics/3714/nephrotic-syndrome-in-pediatric-patients>

Internet-(based) sources

1. Electronic libraries with access for RUDN students:

- Electronic library network of RUDN – ELN RUDN <http://lib.rudn.ru/MegaPro/Web>
- ELN “University library online” <http://www.biblioclub.ru>
- ELN Urait <http://www.biblio-online.ru>
- ELN «Student Advisor» www.studentlibrary.ru
- ELN «Lan» <http://e.lanbook.com/>
- ELN «Троицкий мост»

2. Databases and search engines:

- electronic database of legal, regulatory and 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/>

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

1. The set of lectures on the course “Pediatrics”.
2. The laboratory workshop (if any) on the course “Pediatrics”.
3. The guidelines for writing a course paper / project (if any) on the course “Pediatrics”.
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 (GPC-5, GPC-6, GPC-12) 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:

Assistant lecturer, Department of Pediatrics <hr style="border: 0.5px solid black;"/> position, department	<hr style="border: 0.5px solid black;"/> signature	M.I. Daniel-Abu <hr style="border: 0.5px solid black;"/> name and surname
Associate Professor, Department of Pediatrics <hr style="border: 0.5px solid black;"/> position, department	<hr style="border: 0.5px solid black;"/> signature	T.Yu. Illarionova <hr style="border: 0.5px solid black;"/> name and surname

Assistant of the Department of
Pediatrics

M.A. Karpenko

position, department

signature

name and surname

**HEAD OF
EDUCATIONAL
DEPARTMENT:**

D.Yu. Ovsyannikov

of Pediatrics

name of department

signature

name and surname

HEAD

OF HIGHER EDUCATION PROGRAMME:

Head department, professor

S.N. Razumova

Of the Department of
propaedeutics of dental diseases

position, department

signature

name and surname