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

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

INTERNSHIP SYLLABUS

GENERAL MEDICAL PRACTICE: PEDIATRIC ASSISTANT

internship title

productive

internship type

Recommended by the Didactic Council for the Education Field of:

31.05.01 General Medicine

field of studies / speciality code and title

The student's internship is implemented within the professional education programme of higher education:

General Medicine

higher education programme profile/specialisation title

1. INTERNSHIP GOAL(s)

1)The goal of the Internship is to gain an understanding of workplace dynamics, professional expectations; build proficiency in a range of business/ industry/research/teaching/ skills appropriate to the field of the internship placement, including practical skills aimed at maintaining and strengthening the health of children and necessary in the professional activities of a pediatrician; refine and clarify professional and career goals through critical analysis of the internship experience or research project; introduce students to a professional environment and professional activities of a pediatrician.

2. REQUIREMENTS FOR LEARNING OUTCOMES

The internship implementation is aimed at the development of the following competences (competences in part): PC-2, PC-3, PC-5.

Table 2.1. List of competences that students acquire during the internship

Competence code	Competence descriptor	Competence formation indicators (within this course)
PC-2	Be capable of examining the patient in order to establish a diagnosis.	PC-2, 3, 5
		PC-2.1. Possesses the skills of collecting complaints, anamnesis of life and disease of the patient, as well as conducting a complete physical examination of the patient (examination, palpation, percussion, auscultation).
		PC-2.2. Able to formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the patient.
		PC-2.3. Able to refer the patient for 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 medical care.
		PC-2.4. Able to refer 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 medical care, taking into account the standards of medical care.

		<p>PC-2.5. Able to refer the patient to a consultation with specialist doctors 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 medical care.</p>
		<p>PC-2.6. Able to refer the patient to specialized medical care in an inpatient setting or in a day hospital setting if available 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 medical care.</p>

		<p>PC-2.7. Able to make a differential diagnosis with other illnesses/conditions, including emergencies, as well as establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD).</p>
PC-3	<p>Be able of prescribing treatment and monitoring its efficacy and safety.</p>	<p>PC-3.1. Able to develop a plan for the treatment of a disease or condition, taking into account the diagnosis, age and clinical presentation in accordance with the current procedures for the provision of medical care, clinical guidelines (protocols of the PASS) on the provision of medical care, taking into account the standards of medical care.</p>

		<p>PC-3.2. Able to prescribe medicines, medical devices and medical nutrition, taking into account the diagnosis, age and clinical picture of the disease and 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.</p>
		<p>PC-3.3. Able to prescribe non-drug treatment, taking into account the diagnosis, age and clinical picture of the disease 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.</p>
		<p>PC-3.4. Able to evaluate the effectiveness and safety of the use of medicines, medical devices, clinical nutrition and other methods of treatment.</p>
<p>PC-5</p>	<p>Able to conduct and control the effectiveness of measures to prevent and promote a healthy lifestyle and sanitary education of the population.</p>	<p>PC-5.1. Able to organize and conduct medical examinations taking into account age, state of health, profession in accordance with current regulatory legal acts and other documents.</p> <p>PC-5.2. Able to organize b control the implementation of immunoprophylaxis of infectious diseases in the adult population 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.</p> <p>PC-5.3. Able to carry out medical examination of the adult population for the purpose of early detection of chronic non-communicable diseases and the main risk factors for their development in accordance with the current regulatory legal acts and other documents.</p> <p>PC-5.4. Able to conduct dispensary observation of patients with identified chronic non-communicable diseases.</p>

		PC-5.5. Able to prescribe preventive measures to patients taking into account risk factors 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.
		PC-5.6. Able to monitor compliance with preventive measures.
		PC-5.7. Able to determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor in case of infectious (parasitic) diseases.
		PC-5.8. Able to issue and send to the territorial body of the Federal Service for Supervision of Consumer Rights Protection and Human Welfare an emergency notification in case of detection of an infectious or occupational disease.
		PC-5.9. Able to carry out anti-epidemic measures in the event of a focus of infection, including quarantine measures in case of detection of especially dangerous (quarantine) infectious diseases.
		PC-5.9. Able to carry out anti-epidemic measures in the event of a focus of infection, including quarantine measures in case of detection of especially dangerous (quarantine) infectious diseases.
		PC-5.10. Able to form healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs, psychotropic substances.

3. INTERNSHIP IN HIGHER EDUCATION PROGRAMME STRUCTURE

The internship refers to the core/variable/elective* component of (B2) block of the higher educational programme curriculum.

* Underline whatever applicable. The core component includes all introductory field internships, the variable component includes all advanced field internships, except for research and pre-graduate types of the internship. The elective module includes all research and pre-graduation types of the internship (if any).

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

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

Competence code	Competence descriptor	Previous courses/modules, internships*	Subsequent courses/modules, internships*
GPC-6	Readiness (can do smth., is skilled at doing smth., has a good command of, shows (control/ability, etc.)/ should be able to/ will be able to/ are expected to (know/master/ perform . etc.):
PC-1	Ability (can do smth., is skilled at doing smth., has a good command of, shows (control/ability, etc.)/ should be able to/ will be able to/ are expected to (know/master/ perform . etc.):
...			

* To be filled in according with the competence matrix of the higher education programme.

4. INTERNSHIP WORKLOAD

1) The total workload of the internship is 3 credits (108 academic hours).

5. INTERNSHIP CONTENTS

*Table 5.1. Internship contents**

Modules	Contents (topics, types of practical activities)	Workload, academic hours
Module 1. Fundamentals of organization of pediatric care.	Topic 1.1 Safety briefing. The safety of the work of medical personnel in the provision of assistance.	3
	Topic 1.2 Legal aspects of medical care	3
Module 2. Working as a	Topic 2.1. Examination of children in order to establish a diagnosis	21

pediatrician's assistant		
	Topic 2.2. Prescribing treatment to children and monitoring its efficacy and safety	21
	Topic 2.3. Carrying out preventive measures, including sanitary education, among children and their parents	21
	Topic 2.4 Organization of activities of medical personnel and maintenance of medical records	21
Writing an internship report		18
Preparing for defence and defending the internship report		9
TOTAL:		

* The contents of internship through modules and types of practical activities shall be FULLY reflected in the student's internship report.

6. INTERNSHIP EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

The infrastructure and technical support necessary for the internship implementation include: laboratories/ specially equipped classrooms/ polygons/ measuring and computing complexes/ vehicles/ industrial equipment and devices/ household premises that comply with current sanitary and fire safety standards.

The SAFETY REQUIREMENTS at the enterprise, workplace (including the department of RUDN University) and during the work with certain production/laboratory equipment incorporate/ include the following (to be specified)... Safety briefings

7. INTERNSHIP LOCATION AND TIMELINE

The internship can be carried out at the structural divisions of RUDN University (at Moscow-based organisations, as well as those located outside Moscow.

The internship at an external organisation (outside RUDN University) is legally arranged on the grounds of an appropriate agreement, which specifies the terms, place and conditions for an internship implementation at the organisation.

The period of the internship, as a rule, corresponds to the period indicated in the training calendar of the higher education programme. However, the period of the internship can be rescheduled upon the agreement with the Department of Educational Policy and the Department for the Organization of Internship and Employment of RUDN students.

8. RESOURCES RECOMMENDED FOR INTERNSHIP

Main readings:

1. Workshop on pediatrics. Textbook: In 2 hours. Part 1 / Ed.

- D.Yu.Ovsiyannikova. M.: Publishing House of RUDN University, 2014. - 228 p.
[http://lib.rudn.ru/ProtectedView/Book/View1300k i 5466](http://lib.rudn.ru/ProtectedView/Book/View1300k%20i%205466)
2. Workshop on pediatrics. Textbook: In 2 hours. Part 2 / Ed.
 D.Yu.Ovsiyannikova. M.: RUDN University, 2015. - 276 p.
<http://lib.rudn.ru/ProtectedView/Book/ViewBook/5897>
3. Nikitin I.S., Galustov A.M., Lobzhanidze B.D. [and others]. General medical skills. Execution algorithms. General medical skills. Algorithms of performance. M.: RUDN. 2020, 355 p.
4. Kostsova N.G., Tigai Zh.G., Dogotar O.A. [and etc.]. General medical skills. Execution algorithms. Peoples' Friendship University of Russia. 2019, 112 p.
5. Kostsova N.G., Tigai Zh.G. [and etc.]. Primary professional skills and abilities: patient care. Peoples' Friendship University of Russia. 2021, 235 p.

Additional readings:

1. Guidelines for the lesson on the topic "Congenital heart defects in children" (with test control and tasks) MG. Kantemirova, O.A. Korovin. M.: Publishing House of RUDN University, 2012. - 42 p.
2. Guidelines for the lesson on the topic "Anatomical and physiological features, research methods and semiotics of diseases of the cardiovascular system in children" (with test control and tasks). Guidelines / O.A. Korovina, MG. Kantemirov. Moscow: RUDN University, 2012. - 47 p.
<http://lib.rudn.ru/ProtectedView/Book/ViewBook!3276>
3. Bronchial asthma in children. Teaching aid for the study of the course "Children's diseases" / L.V. Pupko, DAO. Ovsiyannikov. - M.: RUDN University, 2012. - 24 s. <http://lib.rudn.ru/ProtectedView/Book/View1300k/312.5>
4. Anatomical and physiological features, examination methods, semiotics of the lesion of the BONE and muscular systems. Characteristics, research methods, semiotics of the lesion. Teaching aid for the study of the course "Children's diseases" / T.P. Nazarova, NM. Petruk. M.: RUDN University, 2012. - 52 p.
5. Allergic rhinitis in children: Educational and methodological manual for the study of the course "Dtskie diseases" / D.T (). Ovsiyannikov, L.V. Pushko. M.: Publishing House of RUDN University, 2012. - 16 p. <http://lib.rudn.ru/ProtectedView/Book/View1300k/326>

Internet sources

1. Electronic libraries (EL) of RUDN University and other institutions, to which university students have access on the basis of concluded agreements:
- RUDN Electronic Library System (RUDN ELS)
<http://lib.rudn.ru/MegaPro/Web>
 - EL "University Library Online" <http://www.biblioclub.ru>
 - EL "Yurayt" <http://www.biblio-online.ru>
 - EL "Student Consultant" www.studentlibrary.ru
 - EL "Lan" <http://e.lanbook.com/>
 - EL "Trinity Bridge"

2. Databases and search engines:

- electronic foundation of legal and normative-technical documentation <http://docs.cntd.ru/>
- Yandex search engine <https://www.yandex.ru/>
- Google search engine <https://www.google.ru/>
- Scopus abstract database <http://www.elsevierscience.ru/products/scopus/>
- www.consilium-medcum.com:media!gyper <http://www.mediasphera.ru/>
- <http://www.mmm.spb.ru/Russian/MMM.html> [http://www.medi.ru/doc/81 .htm](http://www.medi.ru/doc/81.htm)
- <http://www.medi.ru/doc/86.htm>
- <http://www.medi.ru/doc/88.htm>
- <http://www.consilium-medicum.com/media/gynecology/>
- <http://www.medi.ru/doc/65.htm>
- <http://www.practica.m/history.htm>
- <http://www.consilium-medicum.com/media/>
- <http://www.iacmac.ru/cmac/> www.vsma.ac.ru/~pharm/library/index.html
- <http://www.medi.ru/doc/83.htm>
- <http://www.medi.ru/doc/77.htm> <http://elibrary.ru/defaultx.asp>
- <http://www.rmj.ru/main.htm>
- <http://zdorovie.ad.ru> <http://www.consiliummedicum.com/media/consilium/>
- электронный фонд правовой и нормативно-технической документации <http://docs.cntd.ru/>

The training toolkit and guidelines for a student to do an internship, keep an internship diary and write an internship report:*

1. Safety regulations to do the internship (safety awareness briefing).
2. Machinery and principles of operation of technological production equipment used by students during their internship; process flow charts, regulations, etc. (if necessary).
3. Guidelines for keeping an internship diary and writing an internship report.

*The training toolkit and guidelines for the internship are placed on the internship 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 AS INTERNSHIP RESULTS

The assessment toolkit and the grading system* to evaluate the level of competences (PC-2, PC-3, PC-5) formation as the internship results are specified in the Appendix to the internship 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:

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position, educational department

signature

name and surname.

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