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ФИО: Ястребов Олег Александрович  
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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

**INTERNSHIP SYLLABUS**

**Introductory practice for primary professional skills and professional experience:  
patient's care (Center of Simulaton Training)**

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internship title

educational

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internship type

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

31.05.01 General Medicine

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field of studies / speciality code and title

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

General Medicine

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higher education programme profile/specialisation title

## 1. INTERNSHIP GOAL(s)

The goal of the Internship «Introductory practice for primary professional skills and professional experience: patient's care» is to study the theoretical foundations of general medical manual practical skills in caring for patients;

- study the theoretical foundations and practical skills in caring for patients with a therapeutic profile;
- mastering the theoretical foundations and practical skills in caring for patients with a surgical profile, for long-term bed patients.

## 2. REQUIREMENTS FOR LEARNING OUTCOMES

The internship implementation is aimed at the development of the following competences (competences in part): GPC-4, GPC-6, PC-1.

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC-4	The ability to use medical devices prescribed by the order of medical care, and do examinations of the patient	GPC -4.3 Perform the technique of typical medical manipulations using medical devices according to medical care procedures
GPC-6	The ability to organize patient care, to do primary health care, to organize of work and to make professional decisions in emergency conditions at the prehospital stage, in emergency situations, epidemics and in centers of mass destruction	GPC -6.2 to identify conditions of emergency medical care, including clinical symptoms of a sudden cessation of blood circulation and breathing.
		GPC -6.3. to make emergency medical care to patients in clinical death (stopping the vital functions of the human body (blood circulation and (or) breathing)
PC-1	The ability to provide medical care to the severe patient	PC -1.1. The ability to assess the severe state of a patient
		PC -1.4. The ability to recognize emergency situations including clinical death (stopping the vital functions of the human body (blood circulation and / or respiration), requiring emergency medical care
Competence code	Competence descriptor	Competence formation indicators (within this course)

		PC-1.5 The ability to perform emergency care to patients in emergency situations including clinical death (stopping the vital functions of the human body (blood circulation and/or respiration))
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### 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-4	The ability to use medical devices prescribed by the order of medical care, and do examinations of the patient		Practice for primary professional skills and abilities: assistant of junior medical personnel, Practice for a diagnostic profile: assistant for a ward nurse, Practice for emergency medical manipulations (simulation center), Practice for primary professional skills and professional experience: assistant for a procedural nurse, General medical skill
GPC-6	The ability to organize patient care, to do primary health care, to organize of work and to make professional decisions in emergency conditions at the prehospital stage,		Practice for primary professional skills and abilities: assistant of junior medical personnel, Practice for a diagnostic profile: assistant for a ward nurse, Practice for emergency medical manipulations (simulation center), Emergency conditions, Emergency medicine for life-threatening conditions

Competence code	Competence descriptor	Previous courses/modules, internships*	Subsequent courses/modules, internships*
	in emergency situations, epidemics and in centers of mass destruction		
PC-1	The ability to provide medical care to the severe patient		Practice for primary professional skills and abilities: assistant to junior medical personnel, Practice for a diagnostic profile: assistant for a ward nurse, Practice for emergency medical manipulations (simulation center), Practice for primary professional skills and professional experience: assistant for a procedural nurse, Practice surgical profile: assistant surgeon. Obstetrics and Gynecology Practice: Gynecologist Assistant, General Medicine Physician Assistant: General Practitioner Assistant, General Medical Practice: Outpatient Physician Assistant, Obstetrics and Gynecology Practice: Obstetrician Assistant, Emergency Conditions, Emergency Medicine for Life-threatening Conditions

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

#### 4. INTERNSHIP WORKLOAD

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
<b>Section 1</b> Nutrition of patients. The concept of therapeutic nutrition and dietary tables.	Topic 1.1. Fundamentals of rational nutrition. Fundamentals of clinical nutrition, basic principles. Topic 1.2. Feeding a seriously ill patient with a spoon and drinker. Types of artificial nutrition. Practicing manual skills	<b>10</b>

<b>Modules</b>	<b>Contents (topics, types of practical activities)</b>	<b>Workload, academic hours</b>
<b>Section 2</b> Patients care in case of cardio-vascular diseases	Topic 2.1. General examination and care of patients with diseases of the circulatory system: Topic 2.2. Additional methods for the study of patients Topic 2.3. General concepts of studying patients with diseases of the circulatory system, monitoring the water balance, weighing.	<b>12</b>
<b>Section 3</b> Monitoring and care of the patient with pressure sores	Topic 3.1. The concept of bedsores Topic 3.2. Bedsore prevention Topic 3.3. Treatment of bedsores	<b>10</b>
<b>Section 4</b> Care of the patient in the surgical department.	Topic 4.1. Care of the patient before surgery in the surgical department. Monitoring and care of patients after surgery. Monitoring and care of patients after surgery. Topic 4.2. Monitoring and care of the patient after surgery on the thoracic cavity organs. Basic principles of care for postoperative drainage. Monitoring and care of the patient after surgery on the organs of the abdominal cavity	<b>12</b>
<b>Section 5</b> Patient's care in the ICU department	Topic 5.1 Organization work of the intensive care unit. Requirements for the location and arrangement of the ICU Topic 5.2 Care for a patient who is on ventilator. The algorithm for aspirating the contents of the tracheobronchial tract through the intubation and tracheostomy tube in patients undergoing mechanical ventilation. Care for an active respirator	<b>12</b>
<b>Section 6</b> Patients care in case of severe and agonizing patients.	Topic 6.1 Last stages of life. Clinical death. biological death. The statement of death. Topic 6.2 Palliative care. Hospices: basic principles and tasks. Care for a dying person. Care principles. Posthumous care..	<b>10</b>
<b>Section 7</b>	Test	<b>4</b>
<b>Section 8</b>	Practice work at clinical hospitals	<b>36</b>
<b>Section 9</b>	Practice report	<b>2</b>
	<b>TOTAL</b>	<b>108</b>

. \* 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.

<b>Classrooms</b>	<b>Classrooms equipment</b>	<b>Specialized educational / laboratory equipment, software and materials</b>
433-simulation class for training patient's care skills;	Epson multimedia projector, Classic Solution Lyra screen, Lenovo laptop, Software: Microsoft products (OS, office suite, including MS Office/Office 365, Teams, Skype)	<p>Simulator for measuring blood pressure BT-CEAB2, Patient's care simulator NS SB 20144</p> <p>Simulator for central venous catheterisation NS LF01087U, Simulator of arm for training intravenous injections KK.ARM11, /child manikin for training basic CPR, Simulator for training intramuscular injections LM, Simulator for training intravenous injection and venopuncture LT 00290, Simulator for positioning electrodes, NS LF01300U, Medical couch, Dropper stand, rolling tables, Changing table</p>
347-simulation class for training patient's care skills;	Epson multimedia projector, Lenovo laptop, Smart board Software: Microsoft products (OS, office suite, including MS Office/Office 365, Teams, Skype)	<p>Simulator for measuring blood pressure BT-CEAB2, Patient's care simulator NS SB 20144</p> <p>Simulator for central venous catheterisation NS LF01087U, Simulator of arm for training intravenous injections KK.ARM11, /child manikin for training basic CPR, Simulator for training intramuscular injections LM, Simulator for training intravenous injection and venopuncture LT 00290, Simulator for positioning electrodes, NS LF01300U, Medical couch, Dropper stand, rolling tables, Changing table, simulator for training CPR, Simulator for children stomach probing and washing AR331, Simulator for training probe feeding KKMW8.11-386, Heimlich maneuver simulator Defibrillator Power Heart AED</p>
356-simulation class for training patient's care skills;	Epson multimedia projector, Lenovo laptop, Smart board Software: Microsoft products (OS, office suite, including MS Office/Office 365, Teams, Skype)	<p>Simulator for measuring blood pressure BT-CEAB2, Patient's care simulator NS SB 20144</p> <p>Simulator for central venous catheterisation NS LF01087U, Simulator of arm for training intravenous injections KK.ARM11, /child manikin for training basic CPR, Simulator for training intramuscular injections LM, Simulator for training intravenous injection and venopuncture LT 00290, Simulator for positioning electrodes, NS LF01300U, Medical couch, Dropper stand, rolling table, Changing table, simulator for training CPR,</p>
157-simulation class for training patient's care skills;	Lenovo laptop, Software: Microsoft products (OS, office suite, including MS Office/Office 365, Teams, Skype)	<p>Medical couch, Dropper stand, rolling tables</p> <p>Simulator for cleaning procedure, Simulator for stomach probing and washing, Simulator for training patient's care skills NS SB 20144, Simulator of auscultation with smartscope NSLF01142U</p>

160-simulation class for training patient's care skills;	Lenovo laptop, Software: Microsoft products (OS, office suite, including MS Office/Office 365,	Medical couch, Dropper stand, rolling tables, baby changing table, Functional medical bed KMFT-MSK, wheelchair, Simulator for measuring blood pressure BT-CEAB2, Patient's care simulator NS SB 20144
<b>Classrooms</b>	<b>Classrooms equipment</b>	<b>Specialized educational / laboratory equipment, software and materials</b>
161-simulation class for training patient's care skills;	Lenovo laptop, Software: Microsoft products (OS, office suite, including MS Office/Office 365, Plasma panel Led LG	Medical couch, Dropper stand, rolling tables, baby changing table, Functional medical bed KMFT-MSK, Patient's care simulator NS SB 20144, VirtuSHOK simulator, NS.LF03968U, Bladder Catheterization Trainer LT60155, Simulator for training probe feeding KKMW8.11-386, Simulator for training intramuscular injections LM, Simulator for training intravenous injection and venopuncture LT 00290, Defibrillator Power Heart AED, LM026M Neonatal Care Training Baby Trainer, Axeon ECG

## 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. Primary professional skills: patient care: textbook / N.G. Kostsova, Zh.G. Tigai, O.A. Dogotar [i dr.]. - Electronic text data. - Moscow: RUDN University, 2021. - 235 p.  
[https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link\\_FindDoc&id=502709&idb=0](https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=502709&idb=0)
2. Algorithms for performing manipulations in the treatment room: textbook / N.G. Kostsova, Zh.G. Tigai, O.A. Dogotar [i dr.]. - Moscow: RUDN University, 2022. - 117 p.  
[https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link\\_FindDoc&id=507065&idb=0](https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=507065&idb=0)
3. Basics of care for surgical patients = Basics of care for surgical patients: textbook / A.I. Badretdinova, L.G. Akhuba, N.G. Kostsova [i dr.]. - Book in Russian and English; Electronic text data. - Moscow: RUDN University, 2020. - 292 p.  
[https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link\\_FindDoc&id=484582&idb=0](https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=484582&idb=0)
4. Fundamentals of patient care in a surgical clinic: textbook / N.G. Kostsova, Zh.G. Tigai,

O.A. Dogotar [i dr.]. - Electronic text data. - M. : RUDN, 2017. - 176 p.  
[https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link\\_FindDoc&id=464028&idb=0](https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=464028&idb=0)

5. General medical skills. Execution algorithms = General medical skills. Algorithms of performance: textbook / I.S. Nikitin, A.M. Galustov, B.D. Lobzhanidze [i dr.]. - Book in Russian and English; Electronic text data. - Moscow: RUDN, 2020. - 256 p.

[https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link\\_FindDoc&id=494660&idb=0](https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=494660&idb=0)

6. General medical skills. Execution algorithms: textbook / N.G. Kostsova, Zh.G. Tigai, O.A. Dogotar [i dr.]. - Electronic text data. - M. : RUDN, 2019. - 110 p.

[https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link\\_FindDoc&id=484267&idb=0](https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=484267&idb=0)

#### Additional literature

1. Theory of nursing: Textbook for medical students / G.M. Perfilieva, N.N. Kamynina, I.V. Ostrovskaya, A.V. Drunk. - M.: GEOTAR - Media, 2009. - 256 p.

2. Fundamentals of therapeutic patient care: Textbook / Pod. ed. A.S. Kalmykova. 2016.

#### 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](http://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/](https://www.yandex.ru/)
- Google search engine <https://www.google.ru/>
- Scopus abstract database <http://www.elsevierscience.ru/products/scopus/>

*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 (GPC-4, GPC-6, PC-1) 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).