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**Federal State Autonomous Educational Institution of Higher Education PEOPLES'**

**FRIENDSHIP UNIVERSITY OF RUSSIA**

**RUDN University**

Institute of medicine

**Accreditation and Simulation Training Centre**

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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:**

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**patient's care**

internship title

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internship type

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

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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:**

**31.05.01 General medicine**

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higher education programme profile/specialisation title

**2024**

## 1. INTERNSHIP GOAL(s)

The goals of the internship «Introductory practice for primary professional skills and professional experience: patient's care» are:

- 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

As a result of passing this productive practice «Introductory practice for primary professional skills and professional experience: patient's care» the trainee must acquire the following practical skills, abilities, universal and professional competencies: GPC-4, GPC-6, PC-1

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

<b>Competence code</b>	<b>Competence descriptor</b>	<b>Competence formation indicators (within this course)</b>
GPC-4	GPC-4. Being able to use medical devices provided for by the procedure for medical care, and conduct patient examinations	GPC-4.1. Being able to use medical devices according to current procedures for the medical care, clinical recommendations (treatment protocols) GPC-4.3. Mastering the technique of performing typical medical procedures using medical devices provided for by the procedures for medical care provision
PC-6	PC-6. Being able to organized patient care, primary health care, professional decisions in emergency conditions at the prehospital stage, in emergency situations, epidemics and in areas of mass destruction	PC-6.4 Being able to monitor duties job by the local nurse and other medical workers at his disposal

### 3. INTERNSHIP IN HIGHER EDUCATION PROGRAMME STRUCTURE

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

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.*

<b>Competence code</b>	<b>Competence descriptor</b>	<b>Previous courses/modules, internships*</b>	<b>Subsequent courses/modules, internships*</b>
GPC-4	GPC-4. Being able to use medical devices provided for by the procedure for medical care, and conduct patient examinations		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 lifethreatening conditions
PC-6	PC-6. Being able to organized patient care, primary health care, professional decisions in emergency conditions at the prehospital stage, in emergency situations, epidemics and in areas of mass destruction		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 Lifethreatening 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\**

<b>Modules</b>	<b>Contents (topics, types of practical activities)</b>	<b>Workload, academic hours</b>
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Module 1. Nutrition of patients. The concept of therapeutic nutrition and dietary tables.	Topic 1.1. Fundamentals of rational nutrition. Fundamentals of clinical nutrition, basic principles	10
	Topic 1.2. Feeding a seriously ill patient with a spoon and drinker. Types of artificial nutrition. Practicing manual skills	
Module 2. Patients care in case of cardio-vascular	Topic 2.1. General examination and care of patients with diseases of the circulatory system	12
<b>Modules</b>	<b>Contents (topics, types of practical activities)</b>	<b>Workload, academic hours</b>
diseases	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	
Module 3. 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	10
Module 4. 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	12
Module 5. 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	12
Module 6. 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	10
Module 7	Test	4

Module 8	Practice work at clinical hospitals	36
Writing an internship report		2
Preparing for defence and defending the internship report		9
<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: specially equipped classrooms of Accreditation and Simulation Training Centre

*Table 6.1. List of classrooms for practical training*

Classrooms	Classrooms equipment	Specialized educational / laboratory equipment, software and materials
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)	Simulator for measuring blood pressure BT-CEAB2, Patient's care simulator NS SB 20144  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
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)	Simulator for measuring blood pressure BT-CEAB2, Patient's care simulator NS SB 20144  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
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)	Simulator for measuring blood pressure BT-CEAB2, Patient's care simulator NS SB 20144  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,

157-simulation class for training patient's care skills;	Lenovo laptop, Software: Microsoft products (OS, office suite, including MS Office/Office 365, Teams, Skype)	Medical couch, Dropper stand, rolling tables 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
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, at clinical hospitals.

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. Первичные профессиональные умения и навыки: уход за пациентом : учебное пособие / Н.Г. Косцова, Ж.Г. Тигай, О.А. Доготарь [и др.]. - Электронные текстовые данные. - Москва : РУДН, 2021. - 235 с.  
<https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link FindDoc&id=502709&idb=0>
2. Алгоритмы выполнения манипуляций в процедурном кабинете : учебное пособие / Н.Г. Косцова, Ж.Г. Тигай, О.А. Доготарь [и др.]. - Москва : РУДН, 2022. - 117 с. <https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link FindDoc&id=507065&idb=0>

3. Основы ухода за хирургическими больными = Basics of care for surgical patients : учебное пособие / А.И. Бадретдинова, Л.Г. Ахуба, Н.Г. Косцова [и др.]. - Книга на русском и английском языках; Электронные текстовые данные. - Москва : РУДН, 2020. - 292 с. [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. Основы ухода за пациентом в хирургической клинике : учебное пособие / Н.Г. Косцова, Ж.Г. Тигай, О.А. Доготарь [и др.]. - Электронные текстовые данные. - М. : РУДН, 2017. - 176 с. [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. Общемединские навыки. Алгоритмы выполнения = General medical skills. Algorithms of performance : учебное пособие / И.С. Никитин, А.М. Галустов, Б.Д. Лобжанидзе [и др.]. - Книга на русском и английском языках; Электронные текстовые данные. - Москва : РУДН, 2020. - 256 с. [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. Общемединские навыки. Алгоритмы выполнения : учебное пособие / Н.Г. Косцова, Ж.Г. Тигай, О.А. Доготарь [и др.]. - Электронные текстовые данные. - М. : РУДН, 2019. - 110 с. [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 readings:*

1. Основы сестринского дела  
Косцова Н.Г., Радьш И.В., Снегирева Т.Г., Антюшко Т.Д., Гейко Е.Г., Биненко Е.В., Шадрина Ю.Е., Островская И.В., Семин Д.А.  
Том 1., том 2. Москва, 2022.

2. Основы ухода за больными терапевтического профиля: Учебник / Под. ред. А.С. Калмыковой. 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.

## 9. 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 (competences in part) 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:

Director of the Accreditation and  
Simulation Training Centre

Tigai Zh.

position, educational department

signature

name and surname.

Senior Lecturer

Kostsova N

position, educational department

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Associate Professor of Surgery  
Department

Barkhudarov A

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### HEAD OF EDUCATIONAL DEPARTMENT:

Director of the Accreditation  
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### HEAD OF HIGHER EDUCATION PROGRAMME:

\_\_\_\_\_



position, educational department

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