

APPROVED ИТС ИФИБ

Protocol No. 3.1

dated 30.08.2024

ACADEMIC COURSE OUTLINE

OUTPATIENT CARE

Educational program track (speciality) [1] 31.05.01 General Medicine

Educational program title (specialization) General Medicine

Semester	Labour input, credits	Total course academic, hours	Practical sessions, hrs.	In the form of practical studies, hrs.	Independent studies, hrs.	Course progress, Exam/Pass-fail exam/Term
11	12	432	288		144	
Total	12	432	288	0	144	Ex

ABSTRACT

The internship program is designed based on the requirements for completion of the specialist degree program. Specifically, graduates (general practitioners) must be prepared to perform work functions providing primary medical care to adults in an outpatient setting, including at home.

The internship is aimed at consolidating and deepening knowledge and skills, acquiring practical skills and experience in professional activities in providing primary medical and sanitary care in outpatient settings and in day hospital settings, diagnosing diseases and patient conditions, conducting preventive medical examinations, medical examinations, dispensary observation, conducting examinations of temporary disability and participating in other types of medical examinations, skills in monitoring the effectiveness of measures for prevention, a healthy lifestyle and sanitary and hygienic education of the population, preventing the occurrence of diseases among the population by carrying out preventive and anti-epidemic measures, participating in medical rehabilitation and spa treatment, skills in implementing the principles of quality management in professional activities, maintaining medical records including using medical information systems, organizing the activities of nursing personnel at their disposal, solving standard professional tasks taking into account the basic requirements of information security.

1. ACADEMIC COURSE GOALS AND OBJECTIVES

PURPOSE OF PRACTICE

Developing skills and abilities, and gaining practical experience in providing primary medical care in outpatient and day hospital settings. Developing competencies that comprise the professional work of a district general practitioner.

PRACTICAL OBJECTIVES

- development of competencies in organizing the professional activities of a physician in providing medical care in outpatient settings and in day hospital settings: features of the activity, interaction with other medical organizations, job responsibilities of doctors and nursing staff, studying the structure of the clinic, outpatient departments of the medical organization;

Familiarization with the activities of specialized outpatient specialists: neurologist, endocrinologist, surgeon, otolaryngologist, ophthalmologist, urologist;

- improving skills in diagnosing and treating the most common diseases and patient conditions in a clinic setting, dynamic monitoring and evaluating the effectiveness of treatment

- improving skills in maintaining medical records;

- Development of competencies in conducting preventive and health education work;

- Development of clinical thinking: development of the ability to analyze clinical cases, make a diagnosis, determine treatment tactics, and predict the outcome of the disease,

2. PLACE OF THE ACADEMIC COURSE IN THE MAIN HIGHER EDUCATION CURRICULUM

Internship reinforce knowledge and refine skills and abilities acquired through clinical disciplines and practices. The skills and abilities acquired through internships are essential for successful professional performance.

3. DEVELOPED COMPETENCIES AND INTENDED LEARNING OUTCOMES

Universal and/or general professional competencies:

Competency code and title	Code and title of competency-based rubrics
<p>OPIK-1 [1] – Capable of implementing moral and legal norms, ethical and deontological principles in professional activities.</p>	<p>3-OPIK-1 [1] – Know: - main regulatory legal acts governing physician's activities; - concepts of medical confidentiality, informed voluntary consent for medical intervention, clinical guidelines, procedures and standards of medical care; - fundamental rights and obligations of physicians and patients; - principles of medical ethics (morality) and deontology. Y-OPIK-1 [1] – Be able to: - find and apply current regulatory legal acts in professional activities; - protect the rights of physicians and patients. B-OPIK-1 [1] – Possess skills in: - interaction with colleagues and patients in compliance with ethics and deontology; - obtaining informed voluntary consent from patients or their legal representatives for medical interventions.</p>
<p>OPIK-2 [1] – Capable of conducting and monitoring the effectiveness of measures for prevention, healthy lifestyle promotion, and sanitary-hygienic education of the population</p>	<p>3-OPIK-2 [1] – Know: - regulatory foundations for conducting preventive medical examinations and health check-ups; - rules for implementing sanitary and anti-epidemic measures; - forms and methods of health education work; - sanitary rules and regulations; - national immunization schedule; - main hazardous and harmful occupational factors. Y-OPIK-2 [1] – Be able to: - determine medical indications for imposing restrictive measures (quarantine) and conduct anti-epidemic measures in case of an infection outbreak; - conduct preventive medical examinations and health check-ups in accordance with current regulatory legal acts and other documents; - monitor the effectiveness of measures for disease prevention, health promotion, and sanitary-hygienic education of the population; - develop and implement health promotion programs aimed at eliminating harmful effects of environmental factors on human health; - establish cause-effect relationships between changes in health status and exposure to environmental factors. B-OPIK-2 [1] – Possess skills in: - organizing and conducting preventive medical examinations and health check-ups for the adult population to prevent the occurrence and/or spread of diseases and identify risk factors; - preparation (formation) and sending to the territorial office of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing an emergency notification upon detection of an infectious or occupational disease; -educating patients and their relatives on methods of self-monitoring key physiological indicators.</p>
<p>OPIK-4 [1] – Capable of using medical devices stipulated by the</p>	<p>3-OPIK-4 [1] – Know: - modern diagnostic instrumental examination methods for patients, including functional,</p>

<p>medical care procedures, as well as conducting patient examination for diagnosis establishment.</p>	<p>radiological, ultrasound, radionuclide diagnostics, and endoscopy; - diagnostic capabilities of instrumental examination methods; - medical devices stipulated by the procedure for providing medical care to the adult population in the "Therapy" specialty, and the equipment standard for a therapeutic room; - main medical devices stipulated by the procedures for providing medical care to the adult population in major surgical specialties, obstetrics, and gynecology; - indications for referring patients for instrumental examinations and functional diagnostics; - techniques for physical examination of patients using medical devices stipulated by procedures and considering medical care standards</p> <p>Y-OIPK-4 [1] – Be able to: - use medical devices stipulated by the medical care procedure; - determine the required volume and content of instrumental and functional diagnostics to establish a diagnosis; - interpret results of the most common functional and instrumental diagnostic methods</p> <p>B-OIPK-4 [1] – Possess skills in: - using basic medical devices (stethoscope, blood pressure monitor, sphygmomanometer, pulse oximeter, height-weight scale, measuring tape, neurological hammer, scalpel, forceps, and other devices); - operating electrocardiographs and devices for measuring external respiratory function; - interpreting results of the most common functional and instrumental diagnostic methods</p>
<p>OIPK-5 [1] – Capable of assessing morphofunctional and physiological states, as well as pathological processes in the human body to solve professional tasks.</p>	<p>3-OIPK-5 [1] – Know: - basic medical, pharmaceutical, and morphofunctional terminology, including Latin terms; - structure and functions of the human body, age-related, gender-specific, and individual characteristics of the structure and development of a healthy organism; - physical and chemical nature of processes occurring in a living organism; - patterns of vital activity of the organism, mechanisms of self-regulation and regulation; - features of regulation of the functioning of human body systems in pathological conditions; - patterns of occurrence, development, and outcome of typical pathological processes, the concept of sanogenesis; - etiology and pathogenesis of the most common diseases; - the concept of nosology, principles of disease classification; - principles of microorganism classification, their morphology, physiology, and impact on human health; - structure and functions of the human immune system.</p> <p>Y-OIPK-5 [1] – Be able to: - analyze mechanisms of disease development and manifestation; - recognize morphological and functional changes in cells, tissues, organs, and systems of the human body; - use basic physical-chemical and other natural science concepts and methods in solving professional tasks; - determine the cause of death and formulate a pathological diagnosis.</p> <p>B-OIPK-5 [1] – Possess skills in: - conducting microscopy and analyzing microscopic specimens; - correlating morphological and clinical manifestations of diseases; - assessing morphofunctional, physiological states, and pathological</p>

	<p>processes in humans; - clinical-anatomical analysis of autopsy results.</p>
<p>OIIK-6 [1] – Capable of organizing general nursing, providing primary medical care, ensuring the organization of work and making professional decisions in emergencies at the pre-hospital stage, in emergency situations, epidemics and in areas of mass destruction</p>	<p>3-OIIK-6 [1] – Know: - a set of measures for general nursing with diseases of various organs and systems; Signs of clinical and biological death; - indications for patient hospitalization for the most common diseases with typical progression. Y-OIIK-6 [1] – Be able to: - organize care for patient when providing medical care in an outpatient setting; - determine the need for patient hospitalization; - ensure the organization of work in emergency situations, epidemics, and in mass casualty zones. B-OIIK-6 [1] – Possess skills in: - general care of a patient (general nursing); - providing first aid; - making medical decisions in emergencies at the prehospital stage, including in emergency situations, epidemics, and in mass casualty zones.</p>
<p>OIIK-7 [1] – Capable of prescribing treatment and monitoring its effectiveness and safety.</p>	<p>3-OIIK-7 [1] – Know: - pharmacological groups of medicinal drugs and their intended purposes; - mechanisms of action of pharmacological and non-pharmacological treatments, indications and contraindications for their use, side effects, and complications caused by their application; - methods for monitoring the effectiveness and safety of various treatment approaches. Y-OIIK-7 [1] – Be able to: - make rational choices for pharmacological and non-pharmacological treatments based on clinical guidelines and in accordance with medical care standards; - develop a treatment plan for a disease or condition considering the diagnosis, age, disease course characteristics, and comorbidities, based on clinical guidelines and medical care standards; - prescribe medications, medical devices, and therapeutic nutrition considering the diagnosis, age, disease course characteristics, and comorbidities, based on clinical guidelines and medical care standards; - justify prescribed pharmacological and non-pharmacological treatments; - evaluate the effectiveness and safety of medications, medical devices, therapeutic nutrition, and other treatment methods. B-OIIK-7 [1] – Possess skills in: - administering medications through various routes of administration; - developing treatment plans for diseases or conditions considering diagnosis, age, disease course characteristics, and comorbidities; - assessing the effectiveness and safety of prescribed treatments.</p>
<p>OIIK-8 [1] – Capable of implementing and monitoring the effectiveness of medical rehabilitation of patients, including during the implementation of individual rehabilitation and habilitation programs for persons with disabilities, and to assess</p>	<p>3-OIIK-8 [1] – Know: - signs of temporary disability and persistent disorders of body functions leading to limitations in life activities; - procedures for conducting temporary disability examinations; - procedures for referring patients for medical and social expertise; - the concept of "Individual Rehabilitation and Habilitation Program for Persons with Disabilities"; - medical indications and contraindications for prescribing spa treatment; - medical indications and contraindications for</p>

patients' capacity for work.	<p>conducting medical rehabilitation measures, considering the diagnosis, clinical guidelines, procedures, and standards of medical care.</p> <p>Y-OIPK-8 [1] – Be able to: - determine the need for applying natural therapeutic factors, pharmacological and non-pharmacological therapies, and other methods for patients requiring medical rehabilitation and spa treatment; - monitor the effectiveness of medical rehabilitation for patients, including during the implementation of individual rehabilitation and habilitation programs for persons with disabilities; - assess patients' capacity for work; - perform medical rehabilitation measures for patients in accordance with current medical care procedures, clinical guidelines, and medical care standards.</p> <p>B-OIPK-8 [1] – Possess skills in: - identifying signs of temporary disability and persistent disorders of body functions leading to limitations in life activities; - referring patients in need of medical rehabilitation to specialist physicians for the implementation of individual rehabilitation program measures, including spa treatment; - completing sick note, referrals for medical and social expertise, and sanatorium treatment cards.</p>
OIPK-9 [1] – Capable of implementing quality management principles in professional activities.	<p>3-OIPK-9 [1] – Know: - principles of quality management; The concept of quality of medical care; - procedure for providing medical care to the adult population in the "Therapy" specialty; - procedure for prescribing medications.</p> <p>Y-OIPK-9 [1] – Be able to: - analyze the results of one's own professional activities to prevent errors; - apply medical care standards and clinical guidelines (treatment protocols) in practical work; - evaluate the correctness of chosen methods of prevention, diagnosis, treatment, and rehabilitation when providing medical care to a specific patient; - assess the degree of achievement of the planned treatment outcome.</p> <p>B-OIPK-9 [1] – Possess skills in: - making medical decisions based on evidence-based medicine (selection of diagnostic, treatment, prevention, and rehabilitation methods), including using electronic knowledge bases; - applying the procedure for prescribing medications; - participating in the assessment of the quality of medical care provided.</p>

Professional competencies in compliance with the goals and professional knowledge areas:

Professional activity goal	Professional activity knowledge area	Professional competency code and title; Based on the professional standard, experience analysis	Code and title of competency-based rubrics
medical			
Diagnostics of diseases and pathological conditions of the	Individuals (patients); the population; the set of means and	IPK-3.2 [1] - Capable of conducting patient examinations to	3-IPK-3.2[1] - Know: - clinical diagnosis establishment algorithm; -

<p>patients.</p>	<p>technologies aimed at creating conditions for preserving and strengthening the health of the adult population</p>	<p>establish a diagnosis</p> <p><i>The base:</i> Professional standard: 02.009</p>	<p>patient history-taking and physical examination methodology; - laboratory and instrumental research methods for health assessment to establish a diagnosis; - semiotics of diseases of different organs and systems; - structure, principles of the current International Statistical Classification of Diseases and Related Health Problems (hereinafter - ICD).;</p> <p>Y-IIK-3.2[1] - Be able to:</p> <ul style="list-style-type: none"> - conduct patient history-taking and physical examination; - interpret history, physical examination data, laboratory and instrumental results to recognize a condition or establish the presence/absence of a disease, establish a diagnosis; - distinguish and recognize in each specific case tissue damage, the reaction to it, and the form of adaptability; - develop a patient examination plan, justify the necessity and scope of laboratory and instrumental examination; - identify main pathological conditions, symptoms and syndromes, nosological forms in the patient according to the current ICD.; <p>B-IIK-3.2[1] - Possess skills in:</p> <ul style="list-style-type: none"> - patient history-taking and physical examination; - Formulating a preliminary diagnosis; - developing a patient examination plan; - Interpreting laboratory and instrumental results; -
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			establishing a diagnosis considering the current ICD
Providing primary medical care in outpatient settings and day hospital settings.	Individuals (patients); the population; the set of means and technologies aimed at creating conditions for preserving and strengthening the health of the adult population	<p>ПК-3.3 [1] - Able to provide primary medical care in an outpatient setting</p> <p><i>The base:</i> Professional standard: 02.009</p>	<p>3-ПК-3.3[1] - Know: - general issues of organizing medical care for the population and organizing medical care for the adult population in outpatient settings, including at home; - features of medical care using telemedicine technologies; - Clinical picture, differential diagnosis, features of the course of the disease, complications and outcomes of internal diseases; - diagnostic criteria for the most common diseases of internal organs and systems; - indications for referring patients for specialist consultations according to clinical guidelines and considering relevant medical care standards; - indications for referring patients for specialized medical care in inpatient settings and day hospitals according to clinical guidelines and considering relevant medical care standards; - features of managing and treating elderly patients in outpatient settings. ;</p> <p>У-ПК-3.3[1] - Be able to: - perform differential diagnosis of internal diseases; - monitor the course of physiological pregnancy; - justify the need for referring patients to specialist consultations; - recognize the main and concomitant diseases; - assess disease or condition severity - the degree of</p>

			<p>organ and/or system damage or functional impairment due to the disease/condition or its complications; - determine management, examination and treatment tactics for patients with specific diseases (nosological units) depending on disease severity and condition, according to clinical guidelines and considering relevant medical care standards.;</p> <p>B-PIK-3.3[1] - Possess skills in: - conducting differential diagnosis with other diseases/conditions, including emergencies; - interpreting data obtained from patient consultations with specialists; - prescribing additional tests to clarify the diagnosis; - formulating a clinical diagnosis; - prescribing treatment according to clinical guidelines and considering relevant medical care standards.</p>
organizational and managerial			
<p>Collection of medical data, medical and statistical analysis of information on the population health indicators for various age and sex groups.</p>	<p>Individuals (patients); the population; the set of means and technologies aimed at creating conditions for preserving and strengthening the health of the adult population</p>	<p>PIK-3.4 [1] - Able to analyze population health indicators</p> <p><i>The base:</i> Professional standard: 02.022</p>	<p>3-PIK-3.4[1] - Know: - factors shaping human health; - main medical-statistical indicators characterizing population health, methods for their calculation; - methodologies for collecting medical-statistical information.;</p> <p>Y-PIK-3.4[1] - Be able to: - analyze statistical indicators of morbidity with temporary disability, disability, mortality.;</p> <p>B-PIK-3.4[1] - Possess skills in: - analyzing official statistical reporting, including federal and industry</p>

			statistical observation forms.
Preparation and application of documentation within the healthcare system, maintenance of medical records in healthcare organizations.	Individuals (patients); the population; the set of means and technologies aimed at creating conditions for preserving and strengthening the health of the adult population	<p>ПК-3.5 [1] - Able to maintain medical documentation and organize the work of subordinate nursing staff</p> <p><i>The base:</i> Professional standard: 02.009</p>	<p>3-ПК-3.5[1] - Know: - rules for completing medical documentation including in medical information systems; - basic principles of organization and management in healthcare, in medical organizations and their structural units.;</p> <p>У-ПК-3.5[1] - Be able to: - apply knowledge of organization and management in healthcare, in medical organizations and their structural units; - organize the work of subordinate junior and nursing staff.;</p> <p>В-ПК-3.5[1] - Possess skills in: - completing patient medical records and other medical documentation including electronically in medical information systems; - monitoring performance of duties by district nurses and other subordinate healthcare workers.</p>

4. PEDAGOGIC POTENTIAL OF THE COURSE

Pedagogic tracks/objectives	Pedagogic goals (code)
Vocational and labor education	Establishing conditions for: formation of a deep understanding of the profession's social role, a positive and active commitment to the values of the chosen specialty, and a responsible attitude towards professional activity and work (B14)
Vocational and labor education	Establishing conditions for: formation of psychological readiness for professional activity in the chosen profession (B15)
Professional education	Establishing conditions for: formation of responsibility for professional choice, professional development and professional decisions (B18)
Professional education	Establishing conditions for: formation of motivation to improve the quality of medical care to the population and the desire to follow the rules and norms of interaction between the doctor, colleagues and the patient, contributing to the creation of the most

5. ACADEMIC COURSE STRUCTURE AND CONTENT

Academic course sections, their scope, terms of study and assessment:

No.	Academic course section name	Weeks	Lectures/ Practical (seminars)/ Laboratory sessions, hrs.	Compulsory current assessment (form*, week)	Maximum grade per section**	Section assessment (form*, week)	Competency-based rubrics
	<i>11 Semester</i>						
1	Outpatient care	1-8	0/288/0		50	Rep-8	У-ОПК-1, В-ОПК-1, У-ОПК-2, В-ОПК-2, У-ОПК-4, В-ОПК-4, У-ОПК-5, В-ОПК-5, У-ОПК-6, В-ОПК-6, У-ОПК-7, В-ОПК-7, 3-ОПК-8, У-ОПК-8, В-ОПК-8, У-ОПК-9, В-ОПК-9, У-ПК-3.2, В-ПК-3.2, У-ПК-3.3, В-ПК-3.3, У-ПК-3.4, В-ПК-3.4, У-ПК-3.5, В-ПК-3.5
	<i>Totals for 11 Semester</i>		0/288/0		50		
	Assessment events for 11 Semester				50	Ex	3-ОПК-1, У-ОПК-1, В-ОПК-1, 3-ОПК-2, У-ОПК-2, В-ОПК-2, 3-ОПК-4, У-ОПК-4, В-ОПК-4,

							3-ОПК-5, У-ОПК-5, В-ОПК-5, 3-ОПК-6, У-ОПК-6, В-ОПК-6, 3-ОПК-7, У-ОПК-7, В-ОПК-7, 3-ОПК-8, У-ОПК-8, В-ОПК-8, 3-ОПК-9, У-ОПК-9, В-ОПК-9, 3-ПК-3.2, У-ПК-3.2, В-ПК-3.2, 3-ПК-3.3, У-ПК-3.3, В-ПК-3.3, 3-ПК-3.4, У-ПК-3.4, В-ПК-3.4, 3-ПК-3.5, У-ПК-3.5, В-ПК-3.5
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* – abbreviated name of assessment

** – 100 maximum points per semester including a pass/fail exam and (or) an exam

Abbreviated current assessment forms and section assessment

Abbreviation	Full name
Rep	Report

SYLLABUS

Weeks	Topics / Content	Lect., hrs.	Pr./sem., hrs.	Lab., hrs.
	<i>11 Semester</i>	0	288	0
1-8	Outpatient care	0	288	0
1 - 8	Outpatient care 1. Familiarization with the structure and organization of work of multidisciplinary medical organizations providing outpatient medical care. 2. The main (production, clinical) stage. 3. The final stage. 1. Main aspects of outpatient practice. Safety briefing: on labor protection and fire safety, internal	All 0 0	288 0	0 0

	<p>work regulations. Sanitary regime. Clinic organization. Study of the clinic's structure, reception desk operations, offices of doctors of various specialties, treatment rooms, instrumental and laboratory diagnostic rooms. Interaction with medical staff.</p> <p>2. Interaction with patients. Informed voluntary consent to medical intervention. Features of conducting questioning and physical examination of patients in outpatient settings. Assessing the patient's condition and the need for medical care. Recognition of emergency conditions. Formulating a preliminary diagnosis. Drawing up a patient examination plan, prescribing additional tests. Mastering the principles of treatment of the most common therapeutic and surgical diseases in outpatient practice (acute respiratory viral infections, hypertension, coronary heart disease, chronic obstructive pulmonary disease, diabetes mellitus, etc.), prescribing medications and physiotherapy procedures. Evaluation of additional research data, diagnosis clarification, and treatment prescription. Explaining medication recommendations and regimen adherence to the patient. Temporary disability assessment. Preventive work: Participation in medical examinations, preventive examinations, vaccinations, consulting patients on healthy lifestyle issues. Medical Records Management: Completing outpatient cards, discharge summaries, prescriptions, sick note, examination reports, and issuing referrals for consultations and examinations. Registration of emergency notification of an infectious disease, etc Work in the offices of doctors of therapeutic and surgical profiles as a physician assistant (general practitioner, neurologist, endocrinologist, surgeon, otolaryngologist, ophthalmologist, urologist)</p> <p>3. Preparation of internship reports. Report defense.</p>			
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Abbreviated names of online options:

Abbreviation	Full name
EC	E-course
FtM	Full-text material
FtL	Full-text lectures
VM	Video materials
AM	Audio materials

Prs	Presentations
T	Tests
ERM	E-reference materials
IS	Interactive site

6. EDUCATIONAL TECHNOLOGIES

Internship is carried out in a traditional form in conditions that ensure the participation of students in medical activities and the performance of certain types of work related to their future profession.

7. ASSESSMENT TOOLKIT

The assessment toolkit ensures verification of the intended learning outcomes achievement (competency-based rubrics) using current, midterm and interim assessment of the course.

The link between developed competencies and their assessment is presented in the following table:

Competency	Achievement rubrics	Assessment activity (Syl 1)
ОПК-1	3-ОПК-1	Ex
	У-ОПК-1	Ex, Rep-8
	В-ОПК-1	Ex, Rep-8
ОПК-2	3-ОПК-2	Ex
	У-ОПК-2	Ex, Rep-8
	В-ОПК-2	Ex, Rep-8
ОПК-4	3-ОПК-4	Ex
	У-ОПК-4	Ex, Rep-8
	В-ОПК-4	Ex, Rep-8
ОПК-5	3-ОПК-5	Ex
	У-ОПК-5	Ex, Rep-8
	В-ОПК-5	Ex, Rep-8
ОПК-6	3-ОПК-6	Ex
	У-ОПК-6	Ex, Rep-8
	В-ОПК-6	Ex, Rep-8
ОПК-7	3-ОПК-7	Ex
	У-ОПК-7	Ex, Rep-8
	В-ОПК-7	Ex, Rep-8
ОПК-8	3-ОПК-8	Ex, Rep-8
	У-ОПК-8	Ex, Rep-8
	В-ОПК-8	Ex, Rep-8
ОПК-9	3-ОПК-9	Ex
	У-ОПК-9	Ex, Rep-8
	В-ОПК-9	Ex, Rep-8
ПК-3.2	3-ПК-3.2	Ex
	У-ПК-3.2	Ex, Rep-8
	В-ПК-3.2	Ex, Rep-8
ПК-3.3	3-ПК-3.3	Ex
	У-ПК-3.3	Ex, Rep-8
	В-ПК-3.3	Ex, Rep-8

ПК-3.4	3-ПК-3.4	Ex
	У-ПК-3.4	Ex, Rep-8
	В-ПК-3.4	Ex, Rep-8
ПК-3.5	3-ПК-3.5	Ex
	У-ПК-3.5	Ex, Rep-8
	В-ПК-3.5	Ex, Rep-8

Educational achievement rubrics scales

The scale of each assessment activity varies from 0 to the maximum established point, inclusive. The final assessment of the course is performed on a 100-point scale and represents the sum of the points earned by the student in the section assessments, framework of current and interim assessment.

Sections and interim assessments are considered passed when the student achieves a minimum score equal to 60% of the maximum. The final grade is assigned only upon passing all sections and the interim assessment.

The final grade is assigned in accordance with the following scale:

Total score	Rating on a 4-point scale	Pass/fail examination	ECTS assessment
90-100	5 – « <i>excellent</i> »	« <i>pass</i> »	A
85-89	4 – « <i>good</i> »		B
75-84			C
70-74			D
65-69	3 – « <i>satisfactory</i> »		E
60-64		F	
below 60	2 – « <i>fail</i> »	« <i>fail</i> »	

An “excellent” grade indicates a deep and solid mastery of the program material by a student who presents their answers consistently, clearly, and logically, is able to closely link theory with practice, and uses materials from monographic literature in their answers.

A “good” grade corresponds to a student’s solid knowledge of the material, who presents their answers competently and to the point, without any significant inaccuracies.

A “satisfactory” grade corresponds to the basic level of mastery of the material by the student, in which the main material has been mastered, but its details have not been assimilated, the answers contain inaccuracies, insufficiently correct wording and logical inconsistencies.

A grade “pass” corresponds to at least a basic level of mastery of the program material, in which the student possesses the necessary knowledge, skills, and abilities, and is able to apply theoretical principles to solve typical practical problems.

A grade “fail” is given to a student who lacks a significant understanding of the curriculum material, makes significant errors in their answers, or fails all required assignments. These students are generally unable to continue their studies without additional classes.

8. ACADEMIC COURSE EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT

CORE READING:

1. ЭИ Н99 Internal Diseases. Volume I : , Martynov A.I. [и др.], Москва: ГЭОТАР-Медиа, 2022
2. ЭИ Н99 Internal Diseases. Volume II : , Martynov A.I. [и др.], Москва: ГЭОТАР-Медиа, 2022
3. ЭИ В 60 Внутренние болезни. В 2 томах. Том 1. : , , Москва: ГЭОТАР-Медиа, 2023
4. ЭИ В 60 Внутренние болезни. В 2 томах. Том 2. : , , Москва: ГЭОТАР-Медиа, 2023
5. ЭИ Ч-96 Клиническая диагностика : учебник, Чучалин А.Г., Бобков Е.В., Москва: ГЭОТАР-Медиа, 2019
6. ЭИ М42 Медицинская реабилитация : учебник, , Москва: ГЭОТАР-Медиа, 2023
7. ЭИ Х 95 Общая рецептура : учебное пособие для вузов, Гудзь П. А. [и др.], Москва: Юрайт, 2024
8. ЭИ Х 50 Хирургические болезни : , , Москва: ГЭОТАР-Медиа, 2022

FURTHER READING:

1. ЭИ Е67 Медико-социальная реабилитация пациентов с различной патологией. В 2 ч. Ч. I : учебное пособие, А.В. Епифанов, Епифанов В.А., Москва: ГЭОТАР-Медиа, 2019
2. ЭИ Х12 Новые нормы труда в поликлиниках : монография, Берсенева Е.А., Хабриев Р.У., Шипова В.М., Москва: ГЭОТАР-Медиа, 2020
3. ЭИ М 51 Общая хирургия: история болезни в хирургической клинике : учебное пособие для вузов, Меньков А. В., Москва: Юрайт, 2024
4. ЭИ Л 25 Поликлиническая терапия: хроническое легочное сердце : учебное пособие для вузов, Михайлусова М. П. [и др.], Москва: Юрайт, 2024
5. ЭИ Р 69 Система управления процессом целенаправленного оздоровления человека : учебное пособие для спо, Ромашин О. В., Санкт-Петербург: Лань, 2022
6. ЭИ В 43 Экспертиза временной нетрудоспособности и медико-социальная экспертиза в амбулаторной практике : , Викторова И.А., Гришечкина И.А., Москва: ГЭОТАР-Медиа, 2021

SOFTWARE:

No special softwares is required

LMS AND ONLINE RESOURCES

<https://online.mephi.ru/>

<http://library.mephi.ru/>

9. LOGISTICAL SUPPORT

1. Медицинское оборудование для практической подготовки обучающихся, предусмотренное договором (Клиническая база)
2. Иное оснащение, предусмотренное порядками оказания медицинской помощи по соответствующему профилю (Клиническая база)

10. EDUCATIONAL AND METHODOLOGICAL RECOMMENDATIONS FOR STUDENTS

Practice is an integral part of the learning process.

During the internship, the student is required to:

- Fully complete the assignments outlined in the internship program;
- comply with the internal work schedule at the enterprise, institution, or organization;
- study and strictly adhere to occupational health and safety regulations, sanitary norms
- be responsible for the work performed and its results;
- Upon completion of the internship, submit a written report to the Head of practical training on the completion of all assignments and pass (defend) the internship exam.

The student has the right to:

- propose the specialized organization where the student is currently working for the internship (if the professional activity they are pursuing meets the internship requirements).
- obtain advice on all internship-related questions from the management of the specialized organization (medical organization), the internship supervisor, the Head of practical training at the university;
- address any controversial issues to the Head of practical training, department head, or educational program director.

The first stage of practice (introduction)

The Head of practical training will notify students in advance of the actual meeting place on the first day of practical training.

It is mandatory to complete safety training. This should be reflected in the diary.

The Head of practical training assigns students to departments in conjunction with the person responsible for practical training at the medical organization. The practical assignment is clarified and agreed upon, taking into account the specific activities of the specific department within the medical organization.

During the internship, each student completes a daily the ДНЕВНИК-ОТЧЕТ / REPORT document using the prescribed format. The supervisor's notes in the appropriate columns of the diary/report will confirm that the student actually attended the internship that day, mastered certain skills, became familiar with the work of certain departments, etc.

A supervisor is the employee directly supervising the internship. This may be different employees on different days. The Head of practical training and the person responsible for practical training at the medical organization, may also act as supervisor for specific sections.

The second stage of practice is the main one.

Direct implementation by the student of activities to acquire skills and master practical abilities provided for by the internship program.

Practical work:

Work in the offices of doctors of therapeutic and surgical profiles as a physician assistant.

Ongoing Assessment

The ongoing assessment is conducted through the following methods: monitoring students' completion of relevant sections in the ДНЕВНИК-ОТЧЕТ / REPORT document (including daily report notes and report sections), verifying compliance with safety regulations, internal work procedures, and sanitary standards, conducting interviews, and evaluating students' demonstration of acquired skills. The Head of practical training may personally monitor the student's progress at any time during practice hours.

Students must be prepared to answer the instructor's questions and demonstrate their practical skills. The maximum score for this section is 50. A student is admitted to the exam (intermediate assessment) only if they have achieved more than 30 points in the ongoing assessment. The grading scale for ongoing assessment is as follows: Excellent: 45-50 points, Good: 36-44 points, Satisfactory: 30-35 points

Assessment Criteria (Ongoing Assessment)

№ Criterion Max. score

1.1 Compliance with safety regulations, sanitary norms and internal work schedule.

Full compliance – 10 points, Partial compliance – 5 points, Non-compliance – 0 points* 10

1.2 Regularity of maintaining the ДНЕВНИК-ОТЧЕТ / REPORT document (including daily report notes and report sections).

Regular (daily) – 10 points, Irregular – 5 points, Not maintained – 0 points 10

1.3. Interview (answers to questions, demonstration of practical skills)* 30

Σ Total score 50

*The student answers 1 question and selectively demonstrates 2 practical skills. Each successful response is graded with a maximum of 10 points. If minor deficiencies are noted in an otherwise correct answer or satisfactory skill demonstration, the maximum score for each item may be reduced to 5 points. The maximum total score for Criterion 1.3 is 30 points.

The third stage of practice is the final one.

On the penultimate day of practice, the student must complete the diary (obtain all necessary signatures) and write a report in the appropriate section of the ДНЕВНИК-ОТЧЕТ / REPORT document.

The report is based on information about the specific production work performed by the student during the internship (practical activity in a medical organization).

Completing a clinical internship report begins with a description of the internship site and the work schedule at the hospital or clinic. The clinical internship report should detail everything the student did, participated in, and observed, day by day, providing a clear understanding of the student's level of independence in completing a given task.

Create a diary with an analysis of your work. Prepare a presentation of a complex clinical case (diagnosis, treatment, results). Complete a final assessment in the form of an interview on the competencies mastered.

The Head of practical training completes the appropriate section of the ДНЕВНИК-ОТЧЕТ / REPORT document (Professional Characteristics of Students), provides a detailed analysis of the student's completed work, and provides their opinion. The conclusion indicates the level of theoretical and practical training of the student, the quality of the work performed, work discipline, and

shortcomings, if any; at the end of the characterization, an assessment is given for the practical experience/

The internship report is defended before a committee appointed by the program director. During the internship assessment, the student presents the ДНЕВНИК-ОТЧЕТ / REPORT document and answers questions from committee members.

Based on the results of the report defense, the internship committee prepares a "Commission's Conclusion on the Results of the Internship Defense" and records it in the corresponding section of the ДНЕВНИК-ОТЧЕТ / REPORT document; the final grade is entered into the grade sheet.

Intermediate Assessment

Admission to the intermediate assessment is contingent upon the completion of the practice objectives and achieving a grade of "Satisfactory" (more than 30 points) in the ongoing assessment.

The examination is conducted in the form of a practice report defense. Attestation commission formed by the head of the educational program. During the assessment, the student presents the ДНЕВНИК-ОТЧЕТ / REPORT document and answers questions from the commission members.

Upon completion of the report defense, the practice commission prepares a "Commission Conclusion on the Practice Defense Results", records it in the corresponding section of the ДНЕВНИК-ОТЧЕТ / REPORT document and the final grade is entered into the practice transcript.

Practice Report Assessment Criteria

№ Criterion Max. score

2.1 Completion and compliance of the ДНЕВНИК-ОТЧЕТ / REPORT document with methodological guidelines requirements. Logical structure of the report and material presentation. Accuracy of the summary report on work performed (strict correspondence with daily data). 5

2.2 Completeness, relevance and detail of material presentation in daily reports (logbook entries). Correctness of formulations and use of medical terminology. Scientific accuracy of presentation. Comprehensive coverage of practical aspects in the report. 5

2.3 Positive nature of professional reference. 5

2.4 Degree of utilization and processing of relevant information sources: legislation, educational literature, specialized periodic sources, including internet resources. 5

2.5 Quality of responses to commission questions, recommendations and comments during defense**:

Test questions

Oral questions

Correct demonstration of acquired practical skills

30

5

10

15

Σ Total score 50

**The student completes 5 selective test tasks, receiving 1 point for each correct answer. They answer 2 questions from committee members, earning 5 points for each correct response. The student demonstrates 3 selective practical skills, with each successful demonstration scored up to 5 points. If committee members have comments despite generally correct answers or satisfactory skill

demonstrations, the score for each response may be reduced. The maximum score for criterion 2.5 is 30 points.

The assessment of the level of developed skills, practical experience, and student competencies during the exam conducted based on practice results is determined according to the university's approved grading scale.

11. EDUCATIONAL AND METHODOLOGICAL RECOMMENDATIONS FOR TEACHERS

The first stage of practice (introduction)

The Head of practical training will notify students in advance of the actual meeting place on the first day of practical training.

Introduction. Safety instructions. Determination of methods for conducting internship, goals and objectives of internship, reporting forms.

Distribution of students to departments together with the person responsible for practical training from the medical organization.

Clarification and coordination of the practical assignment, taking into account the specific activities of a particular department of a medical organization.

During the internship, each student completes a daily the ДНЕВНИК-ОТЧЕТ / REPORT document using the prescribed format.

The form is provided to students in advance in the form of a *.doc file for completion on paper, or students are provided with access to an information system that allows them to maintain the ДНЕВНИК-ОТЧЕТ / REPORT document in electronic form.

The supervisor's notes in the appropriate columns of the diary/report will confirm that the student actually attended the internship that day, mastered certain skills, became familiar with the work of certain departments, etc.

A supervisor is the employee directly supervising the internship. This may be different employees on different days. The Head of practical training and the person responsible for practical training at the medical organization, may also act as supervisor for specific sections.

The ongoing assessment is conducted through the following methods: monitoring students' completion of relevant sections in the ДНЕВНИК-ОТЧЕТ / REPORT document (including daily report notes and report sections), verifying compliance with safety regulations, internal work procedures, and sanitary standards, conducting interviews, and evaluating students' demonstration of acquired skills. The Head of practical training may personally monitor the student's progress at any time during practice hours.

The second stage of practice is the main one.

Direct implementation by the student of activities to acquire skills and master practical abilities provided for by the internship program.

During the main stage of practical training, rotation of students across departments should be provided so that each student acquires the necessary skills and abilities.

Weekly case reviews focusing on differential diagnosis and treatment strategies are available. Interactive business simulations on emergency situations are also available.

The form of ongoing monitoring for the main stage of practice is an interview and demonstration of acquired skills, monitoring of students' completion of the relevant sections in the ДНЕВНИК-ОТЧЕТ / REPORT document (diary entries, writing of the section of the practice report).

The teacher supervises the students' work in the departments, operating room, manipulation room, work with the patient together with the department staff, interpretation of data from additional research methods, and filling out medical documentation. Development of professional competencies: maintaining medical records, providing emergency care, and carrying out preventive measures

The third stage of practice is the final one.

On the penultimate day of practice, the student must complete the diary (obtain all necessary signatures) and write a report in the appropriate section of the ДНЕВНИК-ОТЧЕТ / REPORT document.

The report is based on information about the specific production work performed by the student during the internship (practical activity in a medical organization).

Completing a clinical internship report begins with a description of the internship site and the work schedule at the hospital or clinic. The clinical internship report should detail everything the student did, participated in, and observed, day by day, providing a clear understanding of the student's level of independence in completing a given task.

Create a diary with an analysis of your work. Prepare a presentation of a complex clinical case (diagnosis, treatment, results). Complete a final assessment in the form of an interview on the competencies mastered.

The Head of practical training completes the appropriate section of the ДНЕВНИК-ОТЧЕТ / REPORT document (Professional Characteristics of Students), provides a detailed analysis of the student's completed work, and provides their opinion. The conclusion indicates the level of theoretical and practical training of the student, the quality of the work performed, work discipline, and shortcomings, if any; at the end of the characterization, an assessment is given for the practical experience/

The internship report is defended before a committee appointed by the program director. During the internship assessment, the student presents the ДНЕВНИК-ОТЧЕТ / REPORT document and answers questions from committee members.

Based on the results of the report defense, the internship committee prepares a "Commission's Conclusion on the Results of the Internship Defense" and records it in the corresponding section of the ДНЕВНИК-ОТЧЕТ / REPORT document; the final grade is entered into the grade sheet.

Students' internship helps them develop communication skills with patients, taking into account ethics, deontology, and psychological characteristics.

Independent work helps develop skills in working with patients, working with literature, analytical thinking, documentation skills, accuracy, and discipline.

Working with academic literature is considered a form of academic work and is completed within the hours allotted for its study. Each student is provided with access to the university's electronic library collections.

The recommendations are aimed at systematically developing professional competencies through a combination of theoretical knowledge, practical skills, and compliance with regulatory requirements.

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