


**FEDERAL STATE BUDGETARY
EDUCATIONAL INSTITUTION OF HIGHER EDUCATION
«AMUR STATE MEDICAL ACADEMY»
MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION**

AGREED

Vice-Rector for Academic Affairs,

 N.V. Loskutova

April 17, 2025

Decision of the CCMC

April 17, 2025

Protocol No. 7

APPROVED

by decision of the Academic Council of the FSBEI
HE Amur SMA of the Ministry of Health of the
Russian Federation

April 22, 2025

Protocol No. 15

Acting Rector of the FSBEI HE Amur SMA of the
Ministry of Health of the Russian Federation



I.V. Zhukovets

April 22, 2025

EDUCATIONAL PROGRAM

**industrial practice «Practice for obtaining primary professional
skills and abilities in the position of mid-level medical personnel.**

Assistant ward nurse»

Specialty: 31.05.01 General Medicine

Course: 1

Semester: 2

Total hours: 216 hrs.

Total credits: 6 credit units

Control form: credit, 2 semester

Blagoveshchensk, 2025

The educational program of the discipline is designed in accordance with the requirements of the Federal State Educational Standard of Higher Education - specialist in specialty 31.05.01 General Medicine, approved by the order of the Ministry of Education and Science of Russia dated 08.12.2020 No. 988 (registered with the Ministry of Justice of Russia on 08.26.2020 No. 59493), BPEP HE (2021).

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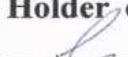
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APPROVED at the meeting of the Department of Propaedeutics of Internal Diseases, Protocol No. 8 dated April 15, 2025

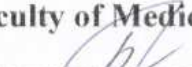
Head of the Department of Internal Medicine Propaedeutics, Holder of the Advanced Doctorate (Doctor of Sciences) in Medical Sciences, Professor  I.G. Menshikova

Conclusion of the Expert Commission on the review of the Educational Programs:
Protocol No. 1 dated April 16, 2025

Expert of the expert commission,
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APPROVED at the meeting of the CMC No. 3:
Protocol No. 6 dated April 17, 2025

Chairman of the CMC No. 3
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Associate Professor  V.V. Voitshovsky

AGREED: Dean of the Faculty of Medicine,
Ph.D. of Medical Sciences  N.G. Brush

April 17, 2025

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I. EXPLANATORY NOTE

1.1. Characteristics of practice

The work program of industrial practice "Practice for obtaining primary professional skills and abilities in the position of mid-level medical personnel. Assistant to a ward nurse", prepared at the Department of Propaedeutics of Internal Diseases aims to train students in qualified care of therapeutic and surgical patients, the basic principles of medical ethics and deontology, as well as the ability to use medical equipment and instruments in the volume of a ward nurse, lays the foundations for providing assistance to patients, necessary for a general practitioner.

Industrial practice is necessary to acquire the skills of a ward nurse, including care for patients with diseases of the respiratory system, cardiovascular system, digestive organs, urinary system, postoperative patients. Students master the skills of feeding, transporting patients, changing underwear and bed linen, as well as other skills in caring for patients with diseases of internal organs.

The area of professional activity and spheres of professional activity in which graduates who have mastered the specialist program can carry out professional activities: healthcare (in the field of providing primary health care to the population in medical organizations: clinics, outpatient clinics, inpatient and outpatient institutions of the municipal health care system and medical and preventive institutions providing primary health care to the population);

Types of professional activity for which graduates of specialist programs are prepared: medical; scientific research; organizational and managerial.

A graduate who has mastered the specialist program is ready to solve the following professional tasks in accordance with the type(s) of professional activity that the specialist program is focused on:

medical activities: prevention of the occurrence of diseases among the population by carrying out preventive and anti-epidemic measures; participation in the provision of emergency medical care in conditions requiring urgent medical intervention; the formation of motivation in the population, patients and their family members aimed at maintaining and strengthening their health and the health of others; teaching patients basic hygienic measures of a health-improving nature that help prevent the occurrence of diseases and strengthen health;

research activities: analysis of scientific literature and official statistical reviews, participation in statistical analysis and public presentation of the results obtained;

organizational and managerial activities: creation of favorable conditions in medical organizations for the stay of patients and the work of medical personnel; maintenance of medical records in medical organizations; compliance with basic information security requirements;

The objects of professional activity of graduates of the specialist program are:

- individuals (patients) aged 15 to 18 years and over 18 years (hereinafter referred to as adolescents and adults);
- population;
- a set of tools and technologies aimed at creating conditions for protecting the health of citizens.

1.2. Purpose and objectives of the practice

The purpose of the practice is to teach students qualified care for medical and surgical patients, the basic principles of medical ethics and deontology, and the ability to use medical equipment and instruments.

Objectives of the practice:

1. Students will master the basic principles of work of a ward nurse.
2. Study of the patient's personal hygiene rules.

3. Study of the features of care for patients with diseases of internal organs.
4. Study of the specifics of the work of a ward nurse in the surgical and intensive care departments.
5. Familiarization with the rules for preparing medical documentation, working with educational, reference, medical and scientific literature, official statistical reviews, including those on the Internet.

is a diary of industrial practice, a calendar schedule for completing the practice.

1.3. The place of practice in the structure of the main professional educational program higher education

In accordance with the Federal State Educational Standard of Higher Education - specialist in specialty 31.05.01 General Medicine (2020), industrial practice "Practice for obtaining primary professional skills and abilities in the position of mid-level medical personnel. Assistant to a ward nurse" refers to the basic part, Block 2. The total workload is 5 credits (180 hours), taught in the 2nd semester in the 1st year. Form of control - credit with an assessment in the 2nd semester.

Industrial practice includes the following sections:

- 1) Work of a ward nurse in a therapeutic department
- 2) Work of a ward nurse in a surgical department.

1.4. Forms of practice control

Current monitoring of students' implementation of the industrial practice program is carried out daily by practice supervisors in the form of monitoring the completion of individual assignments for industrial practice, keeping practice diaries, and mastering practical skills.

Interim assessment (test), consisting of a theoretical part - an interview on theoretical issues, testing in the Moodle system and a practical part - checking the acquisition of practical skills and abilities, assessment of reporting forms.

1.5. Practice Reporting Forms

Forms of reporting on the practice of ties.

1.6. Requirements for students

To master industrial practice, knowledge, skills and abilities formed by previous disciplines are necessary
Latin
Knowledge : Basic medical and pharmaceutical terminology in Latin.
Skills : be able to apply knowledge for communication and obtaining information from medical literature, medical documentation .
Skills : applies medical and pharmaceutical terminology in Latin in professional activities
Professional foreign language
Knowledge : basic medical and pharmaceutical terminology in a foreign language .
Skills : be able to apply knowledge for communication and obtaining information from foreign sources.
Skills : applies medical and pharmaceutical terminology in a foreign language in professional activities
History of Medicine
Knowledge : outstanding figures in medicine and health care, Nobel laureates, outstanding medical discoveries in the field of therapy, the influence of humanistic ideas on medicine .
Skills : be able to competently and independently present and analyze the contribution of domestic scientists to the development of medicine.
Skills : applies medical discovery data in professional activities
Chemistry. Bioinorganic chemistry and biophysical chemistry in medicine
Knowledge : the chemical and biological essence of the processes occurring in a living

organism at the molecular and cellular levels .
Skills : be able to analyze the contribution of chemical processes to the functioning of the cardiovascular, respiratory, digestive, urinary, and hematopoietic systems.
Skills: applies data on chemical processes at the molecular level in professional activities
Biology
Knowledge: laws of genetics and its importance for medicine; patterns of heredity and variability in individual development as the basis for understanding the pathogenesis and etiology of hereditary and multifactorial diseases; biosphere and ecology, the phenomenon of parasitism and bioecological diseases .
Skills: be able to analyze patterns of heredity and variability in the development of diseases of internal organs and occupational diseases.
Skills: applies patterns of heredity in professional activity
Anatomy
Knowledge: Anatomical and physiological features of the respiratory, cardiovascular, digestive, hematopoietic, endocrine, and urinary systems .
Skills: be able to analyze age- and gender-related features of the structure of organs and systems.
Skills: applies data on the anatomical and physiological characteristics of organs and systems in professional activities
Educational practice "Introductory practice - Practice for obtaining primary professional skills and abilities. General care for patients of therapeutic and surgical profile"
Knowledge: features of caring for patients with diseases of the cardiovascular, digestive, hematopoietic, endocrine, and urinary systems .
Skills: be able to carry out activities to care for patients.
Skills: applies methods of care for medical and surgical patients

1.7. Interdisciplinary links with subsequent disciplines/practices

Item No.	Name of disciplines/practices	General care for patients with a therapeutic profile	General care for surgical patients
1.	All disciplines of Block 1.	+	+
2.	Industrial practice "Practice for obtaining primary professional skills and abilities in the position of mid-level medical personnel. Assistant procedural nurse"	+	+
3.	Industrial practice "Practice of diagnostic profile"	+	+
5.	Educational practice "Introductory practice-manipulative"	+	
6.	Industrial practice "Practice for obtaining primary professional skills and abilities in the position of mid-level medical personnel. Assistant procedural nurse"	+	+
7.	Educational practice "Research work (obtaining primary skills of research work)"	+	+
8.	Industrial practice: Therapeutic practice. Surgical practice. Obstetrics and gynecology practice.	+	+

9.	Industrial practice "Practice for obtaining professional skills and experience of professional activity - assistant to a doctor of an outpatient clinic	+	+
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1.8. Requirements for the results of mastering the practice

Mastering the practice of " Practice for obtaining primary professional skills and abilities in the position of mid-level medical personnel. Assistant ward nurse " is aimed at **forming the following universal competencies (UC), general professional (OPK) and professional competencies (PC) : UK-1; OPK-1,4,6; PC-14**

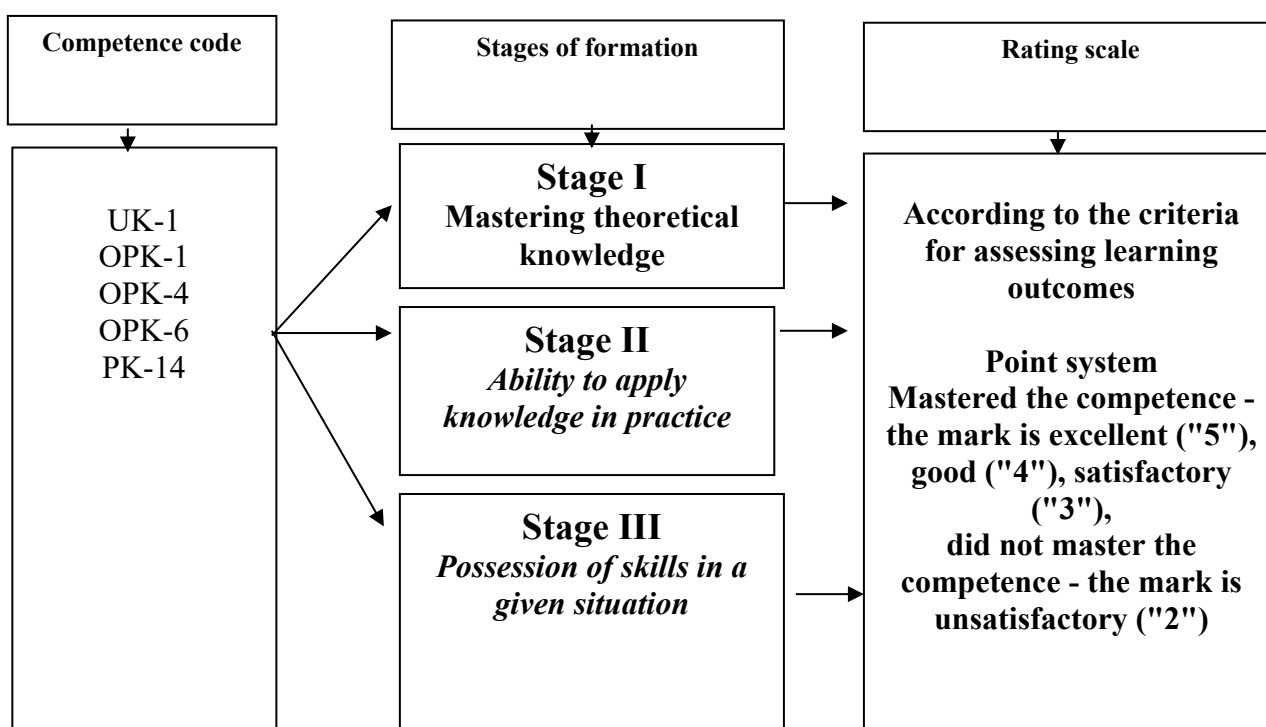
No. p/p	Code and name of competence	As a result of mastering the practice "Introductory practice - Practice for obtaining primary professional skills and abilities. General care of patients of therapeutic and surgical profile" the student must:			Indicator of achievement of competence
		Know	Be able to	To own	
Universal competencies					
1.	UK-1. Capable of carrying out a critical analysis of problematic situations based on a systems approach, developing an action strategy	The main historical stages of the development of internal medicine, the subject and objectives of the discipline, the relationship with other clinical disciplines; the main concepts used in medicine	To characterize the stages of development of medicine as a science and its role at the present stage; to evaluate the contribution of domestic scientists to the development of therapy	The ability to analyze the importance of propaedeutics of internal diseases at the present stage	<p>ID UK-1.1. Analyzes a problem situation as a system, identifying its components and the connections between them.</p> <p>ID UK-1.2. Identifies gaps in information needed to solve problem situations and designs processes to eliminate them.</p> <p>ID UK-1.5. Critically evaluates the reliability of information sources, works with contradictory information from different sources.</p>
General professional competencies					

2.	<p>OPK-1. Capable of implementing moral and legal norms, ethical and deontological principles in professional activities</p>	<p>The concept of medical ethics and deontology. Rules for collecting complaints, anamnesis, basic and additional methods of examining a patient, taking into account moral, legal and ethical standards</p>	<p>Establish contact with colleagues, mid-level and junior medical staff, patients and their relatives</p>	<p>The ability to implement ethical and deontological aspects of medical practice in practical work</p>	<p>ID OPK-1.1. Carries out professional activities in accordance with ethical standards and moral principles. ID OPK-1.2. Organizes professional activities, guided by legislation in the field of healthcare, knowledge of medical ethics and deontology. ID OPK-1.3 . Has the skills of presenting an independent point of view, analysis and logical thinking, public speaking, moral and ethical argumentation, conducting discussions and round tables, principles of medical deontology and medical ethics.</p>
3.	<p>OPK-4. Capable of using medical products provided for by the procedure for providing medical care, as well as conducting patient examinations to establish a diagnosis</p>	<p>Modern possibilities of medical technology, specialized equipment, medical products, in solving professional problems from the standpoint of evidence-based medicine.</p>	<p>Examine the patient to establish a diagnosis , use specialized equipment, medical products, disinfectants, and medications.</p>	<p>Methods of general clinical examination of patients of different ages. Interpret the results of instrumental, laboratory and functional diagnostics,</p>	<p>ID OPK-4.1. Uses modern medical technologies, specialized equipment and medical products, disinfectants, drugs, including immunobiological and other substances and their combinations</p>

				thermometry to identify pathological processes.	when solving professional problems from the standpoint of evidence-based medicine. ID OPK-4.2. Knows the indications and contraindications for the appointment of instrumental, functional and laboratory examination methods, possible complications during the examination, emergency care and their prevention.
4.	OPK-6. Capable of organizing patient care, providing primary health care, ensuring the organization of work and making professional decisions in emergency situations at the pre-hospital stage, in emergency situations, epidemics and in areas of mass destruction	Medical means of protection, prevention, provision of medical care and treatment of injuries caused by toxic substances of various nature, radioactive substances and biological agents.	Organize care for patients, provide primary health care and emergency care to patients.	The ability to make professional decisions in emergency situations, provide first aid at the pre-hospital stage, in emergency situations, epidemics and in areas of mass destruction.	ID OPK-6.1. Organizes patient care, provides primary health care and emergency care to patients. ID OPK-6.2. Uses medical means of protection, prevention, provision of medical care and treatment of injuries caused by toxic substances of various nature, radioactive substances and biological agents. ID OPK-6.3. Makes professional decisions

					in emergency situations and provides first medical aid at the pre-hospital stage, in emergency situations, epidemics and in areas of mass destruction.
Professional competencies					
5.	PC-14. Capable of participating in research activities	Main scientific and medical information sources (domestic and foreign medical journals, including those on the Internet)	Work independently with educational, scientific, reference, medical literature, including on the Internet	Modern methods of independent study of educational material, including searching the Internet, working with scientific, reference, medical literature and a systematic approach to the analysis of medical information	PC ID - 14.1. Participates in conducting scientific research. PC ID -14.2 . Analyzes medical information based on evidence-based medicine.

1.9. Stages of competence formation and descriptions of assessment scales



2. Structure and content of practice

2.1. Scope of practice

Volume of educational practice

Scope of practice	
Total labor intensity in hours, total	216
Total workload in credit units, total	6 z.e.
Type of intermediate assessment	credit with grade

2.2. Type of practice: industrial.

Industrial practice is conducted at the bases of therapeutic and surgical departments of medical organizations and includes the study of issues of organizing the work of medical organizations, the specifics of the work of a ward nurse, care for patients of therapeutic and surgical profile, for seriously ill patients. During the practice, special attention is paid to the development of practical skills and abilities.

- Conducting group and individual consultations for students by practice supervisors.
- Introduction to the structure and organization of work of clinical medical organizations.
- Introduction to the work of a ward nurse.
- Bedside work: providing general care to medical and surgical patients.
- Mastering the technique of transporting patients.
- Participation in preparing patients for diagnostic tests.
- Observation and care of patients in the postoperative period.
- Providing first aid in emergency situations.

- Practicing practical skills and abilities at the patient's bedside, on mannequins and dummies (including in the accreditation and certification center).

2.3. Criteria for assessing students' knowledge

The assessment of learning outcomes is carried out in accordance with the "Regulations on the assessment system for the learning outcomes of students of the Federal State Budgetary Educational Institution of Higher Education Amur State Medical Academy of the Ministry of Health of Russia".

The basis for determining the level of knowledge, skills, and abilities are the assessment criteria - completeness and correctness:

- correct, precise answer;
- correct, but incomplete or inaccurate answer;
- incorrect answer;
- no answer.

When assigning marks, the classification of errors and their quality are taken into account:

- gross errors;
- similar errors;
- minor errors;
- shortcomings.

Criteria for assessing the theoretical part

"5" - for the depth and completeness of mastery of the content of the educational material, in which the student easily navigates, for the ability to connect theoretical questions with practical ones, express and justify their judgments, and present the answer competently and logically.

"4" - the student has fully mastered the educational material, is oriented in it, and correctly expresses the answer, but the content and form have some inaccuracies.

"3" - the student has mastered the knowledge and understanding of the main provisions of the educational material, but presents it incompletely, inconsistently, and does not know how to express and substantiate his judgments.

"2" - the student has fragmented and unsystematic knowledge of the educational material, is unable to distinguish between the main and the secondary, makes mistakes in defining concepts, distorts their meaning, and presents the material in a disorderly and uncertain manner.

Test control evaluation criteria

"5" - allows up to 10% of incorrect answers during testing.

"4" - allows up to 20% of incorrect answers during testing.

"3" - allows up to 30% of incorrect answers during testing

"2" - allows more than 30% of incorrect answers during testing.

Assessment criteria for the practical part

"5" – the student, while working in the department, has fully mastered the practical skills and abilities provided for by the internship work program.

"4" – during the internship, the student mastered the practical skills and abilities provided for by the course work program, but allows for some inaccuracies.

"3" - the student mastered only some practical skills and abilities during the internship.

"2" - the student has only some practical skills and abilities and performs them with gross errors.

Working off internship debts

If a student misses an internship for a valid reason, he/she has the right to make it up and receive the maximum grade provided by the work program. A valid reason must be documented.

If a student misses an internship for an unjustified reason or receives a grade of "2" for all types of activities, he is required to work it off.

Assessment criteria for midterm assessment

Interim certification is carried out in 3 stages:

1. Test control in the "Moodle" system

Access mode: <https://educ-amursma.ru/course/view.php?id=525>

2. Passing practical skills (competencies).

3. Answers to questions for the test.

Assessment criteria for midterm assessment

"5" excellent - for the depth and completeness of mastery of the content of the educational material, in which the student easily navigates, for the ability to connect theoretical questions with practical ones, to express and justify their judgments, to correctly and logically present the answer; when testing, allows up to 10% of erroneous answers. Practical skills and abilities provided by the work program are fully mastered.

"4" good - the student has fully mastered the educational material, is oriented in it, correctly states the answer, but the content and form have some inaccuracies; during testing allows up to 20% of erroneous answers. Has fully mastered the practical skills and abilities provided by the work program, but allows some inaccuracies.

"3" satisfactory - the student has mastered the knowledge and understanding of the main provisions of the educational material, but presents it incompletely, inconsistently, does not know how to express and justify his/her judgments; during testing, allows up to 30% of erroneous answers. Has only some practical skills and abilities.

"2" unsatisfactory - the student has fragmented and unsystematic knowledge of the educational material, is unable to distinguish between the main and secondary, makes mistakes in defining concepts, distorts their meaning, presents the material in a disorderly and uncertain manner, and makes more than 30% of erroneous answers during testing. Performs practical skills and abilities with gross errors.

3. Material, technical and educational support for practice

3.1. Main literature

1. Main syndromes of internal diseases: a textbook / E. V. Reznik, A. P. Baranov, P. A. Mogutova [et al.]; under the supervision of E. V. Reznik. - Moscow: GEOTAR-Media, 2024. - 264 p. - ISBN 978-5-9704-8373-2, DOI: 10.33029/9704-8373-2-SID-2024-1-264. - An electronic version is available on the website of the electronic library system "Student Consultant": [site]. URL: <https://www.studentlibrary.ru/book/ISBN9785970483732.html> (date of access: 10/30/2024). - Access mode: by subscription. - Text: electronic
2. Dvoynikov, S. I. Junior nurse for patient care: textbook / S. I. Dvoynikov, S. R. Babayan, Yu. A. Tarasova [et al.]; edited by S. I. Dvoynikov, S. R. Babayan. - Moscow: GEOTAR-Media, 2020. - 512 p. : ill. - 512 p. - ISBN 978-5-9704-5755-9. Access mode: <http://www.studmedlib.ru/book/ISBN9785970457559.html>.
3. - Markova, E. Yu. Nursing care for diseases of the ear, throat, nose, eye and its adnexa / Elena Yuryevna Markova, Andrey Yuryevich Ovchinnikov, Maya Aleksandrovna Eje, Elena Makarovna Khon, edited by A. Yu. Ovchinnikov - Moscow: GEOTAR-Media, 2017. - 176 p. - ISBN 978-5-9704-4187-9. Access mode: <http://www.studmedlib.ru/book/ISBN9785970441879.html>

4. Kryuchkova, A. V. Care of surgical patients: a teaching aid / A. V. Kryuchkova, Yu. V. Kondusova, I. A. Poletaeva et al.; edited by A. V. Kryuchkova. - Moscow: GEOTAR-Media, 2020. - 176 p. - ISBN 978-5-9704-5589-0.
Access mode: <http://www.studmedlib.ru/book/ISBN9785970455890.html>

3.2. Further reading

1. Renal syndromes in the clinic of internal diseases / Textbook edited by prof. Menshikova I.G. - Blagoveshchensk, 2024. - 148 p. Access mode: <https://educ-amursma.ru/mod/resource/view.php?id=29008>.

3.3. Educational and methodological support for practice, prepared by the department staff:

1. Clinic, diagnostics, principles of treatment and prevention of arterial hypertension / Edited by prof. Menshikova I.G. - Blagoveshchensk, 2015. - 164 p. Access mode: <https://educ-amursma.ru/course/view.php?id=175>
2. Clinic, diagnostics, principles of treatment with the basics of physical rehabilitation of patients with acute myocardial infarction / Edited by prof. Menshikova I.G. - Blagoveshchensk, 2015. - 144 p. Access mode: <https://educ-amursma.ru/course/view.php?id=175>
3. General clinical methods of laboratory diagnostics / Edited by prof. Menshikova I.G., prof. Dobrykh V.N. - Blagoveshchensk, Khabarovsk, 2012. - 107 p.: ill. Access mode: <https://educ-amursma.ru/course/view.php?id=58>
4. Main clinical syndromes in the course of propaedeutics of internal diseases / Edited by prof. Menshikova I.G. - Blagoveshchensk-Vladivostok, 2010. - 51 p. Access mode: <https://educ-amursma.ru/course/view.php?id=58>
5. Volochenko N.P., Volkov L.A., Zyuzko A.S. Care of surgical patients, Blagoveshchensk, 2010. Access mode - <https://educ-amursma.ru/course/view.php?id=131>

Electronic and digital technologies:

1. **Multimedia presentations** for lectures, posted in the Electronic Information System of the Federal State Budgetary Educational Institution of Higher Education Amur State Medical Academy:
Access mode : <https://educ-amursma.ru/course/view.php?id=526>
<https://educ-amursma.ru/course/view.php?id=131>

- Video films, photographic materials used in teaching students (prepared by department staff)

Presentations on care of patients of therapeutic and surgical profile :

- Basic physiotherapy procedures.
- Personal hygiene of the patient.
- Care for patients with respiratory diseases.
- Care of patients with diseases of the circulatory system.
- Care for patients with diseases of the digestive system.
- Care for patients with diseases of the urinary system.
- Postoperative period: features of patient care.
- Care of patients with thermal injuries.
- Care for patients with injuries of the musculoskeletal system.
- Algorithm for performing subcutaneous, intramuscular, intravenous injections.

List of albums, stands, tables, tablets, handouts used in training (prepared by department staff)

Tables:

- Daily routine in hospitals.
- Sanitary treatment of patients.
- Methods of transporting patients.
- Anthropometric measurements.
- Oral care.
- Ear care.
- Nasal cavity care.
- Eye care.
- Changing bed linen for seriously ill patients.
- Changing underwear for seriously ill patients.
- Skin care and pressure ulcer prevention.
- Diets.
- Types of feeding for patients.
- Thermometry.
- Types of fevers.
- Compresses. Types, application technique.
- Methods of administration of drugs.
- Instillation of drops into the ears, nose, eyes.
- Oxygen therapy.
- Method and technique of pleural puncture.
- Emergency care for an asthma attack.
- Method of measuring blood pressure.
- Emergency care for heart pain.
- Work of a nurse in the intensive care unit.
- Caring for patients with vomiting.
- Technique for inserting a nasogastric and orogastric tube
- Gastric lavage.
- Gastrointestinal bleeding.
- Enemas. Types, methods and technique of administration.
- Technique for inserting a gas vent tube.
- Endoscopic methods of examination of the gastrointestinal tract.
- Zimnitsky's test.
- Signs of clinical death.
- Technique of indirect cardiac massage.
- Artificial respiration technique.
- Catheterization of the urinary bladder.
- First aid for thermal injuries.
- Methods of performing subcutaneous, intramuscular, intravenous injections.

Stands

- Personal hygiene of the patient.
- Care for patients with respiratory diseases.
- Care of patients with diseases of the circulatory system.
- Care for patients with diseases of the digestive system.
- Care for patients with diseases of the urinary system.
- Desmurgy.

- Transport immobilization for limb injuries.

Handouts: test assignments, archival case histories and protocols on the topics covered.

Electronic teaching aids :

(posted on the website of the Federal State Budgetary Educational Institution of Higher Education Amur State Medical Academy.

Access mode: <https://www.amursma.ru/zakrytaya-chast-sayta/1-kurs/>)

3.4 Material and technical base for conducting internships

Name	Quantity
Classrooms 1-6	
School board	5
Table	29
Chairs	121
Couch	4
Thematic stands	6
Thematic tables	30
Sets of r radiographs of mothers	6
Folder-booklet with sets of blood, urine, stool and pleural fluid tests	6
ECG kits	6
Electrocardiograph 12-channel ECG9110k (Japan)	1
Electrocardiograph 6-channel SHILLER CARDIOVITAT-2 PLUS (Switzerland)	1
Multimedia projector SANY OPLC-SL20	1
Personal computer	3
Laptop	1
Equipment of the State Autonomous Healthcare Institution of the Joint-Stock Company "Blagoveshchensk City Clinical Hospital" used for training students in the functional department, X-ray room	
X-ray tomograph CT GEBRIGHTSPEED 16 SLICE (Germany)	1
Ultrasound device "Aloka" 3500 (Japan)	1
Fibrogastroscope "Olympus GIF-Q3", "Olympus GIF-Q4" (Japan)	1
Fiber bronchoscope "PentonEB-18p"	1
X-ray machine "Electron" (Russia)	1
Spirograph "SuperSpiro" (UK)	1
Electrolyte analyzer "CibaCorning" (UK)	1
Biochemical analyzer "VTS-370" (Spain)	1
Hematology analyzer ADVIA-60 (Germany).	1
Classrooms for conducting simulation classes in the accreditation and simulation center	
Table	9
Chairs	16
Treatment table	2
Closet	1
Medical bed	1
Computer	1

Multimedia projector	1
Video monitoring and recording system for the simulation training process	2
Laptop	1
Auscultation mannequin with the ability to simulate the auscultatory picture of various diseases	1
Auscultation trainer with smartoscope	1
A simulator for training in performing blood pressure measurement skills	1
Patient simulator simulating an adult male for ECG skills training	1
Changing table	1
Lecture hall No. 2 of the Federal State Budgetary Educational Institution of Higher Education Amur State Medical Academy	
Table	1
Seating	340
Blackboard	1
Laptop	1
Multimedia projector	1
Hall for conducting midterm assessment	
Tables	4
Seating	40
Couch	2

3.5. Professional databases, information and reference systems, electronic educational resources

Resource name	Resource Description	Access	Resource address
Electronic library systems			
"Student consultant. Electronic library of the medical university"	For students and teachers of medical and pharmaceutical universities. Provides access to electronic versions of textbooks, teaching aids and periodicals.	Remote access after registration under the university profile	https://www.studentlibrary.ru/
Reference and information system "MedBaseGeotar".	The reference and information system "MedBaseGeotar" is intended for practicing medical specialists, researchers, teachers, postgraduate students, residents, senior students, and healthcare managers for the rapid search, selection, and reading of medical literature necessary for work in a single data source.	Remote access after registration under the university profile	https://mbasegeotar.ru/pages/index.html
Electronic library system "Bookup"	Large medical library - information and educational platform for the joint use of electronic educational, educational and methodological publications of medical universities of Russia and the CIS countries	Remote access after registration under the university profile	https://www.books-up.ru/
EBS "Lan"	Network electronic library of medical universities - an electronic database of educational and scientific works on medical topics, created for the purpose of implementing network forms of professional educational programs, open access to educational materials for partner universities	Remote access after registration under the university profile	https://e.lanbook.com/

Scientific electronic library "CyberLeninka"	CyberLeninka is a scientific electronic library built on the paradigm of open science (Open Science), the main tasks of which are the popularization of science and scientific activity, public control of the quality of scientific publications, the development of interdisciplinary research, a modern institute of scientific review, increasing the citation of Russian science and building a knowledge infrastructure. Contains more than 2.3 million scientific articles.	free access	https://cyberleninka.ru/
Oxford Medicine Online	A collection of Oxford medical publications, bringing together over 350 titles into a single, cross-searchable resource. Publications include The Oxford Handbook of Clinical Medicine and The Oxford Textbook of Medicine, both of which are continually updated electronically.	free access	http://www.oxfordmedicine.com
Human Biology Knowledge Base	Reference information on physiology , cell biology , genetics , biochemistry , immunology , pathology . (Resource of the Institute of Molecular Genetics of the Russian Academy of Sciences .)	free access	http://humbio.ru/
Medical online library	Free reference books, encyclopedias, books, monographs, abstracts, English-language literature, tests.	free access	https://www.medlib.ru/library/library/books
Information systems			
Clinical Guidelines Rubricator	A resource of the Russian Ministry of Health that contains clinical recommendations developed and approved by medical professional non-profit organizations of the Russian Federation, as well as methodological guidelines, nomenclatures and other reference materials.	link to download the application	https://cr.minzdrav.gov.ru/#/
Federal Electronic Medical Library (FEMB)	The Federal Electronic Medical Library is part of the unified state information system in the field of healthcare as a reference system . FEMB was created on the basis of the funds of the Central Scientific Medical Library named after I.M. Sechenov.	free access	https://femb.ru/
Russian Medical Association	Professional Internet resource. Objective: to promote effective professional activity of medical personnel. Contains the charter, personnel, structure, rules of entry, information about the Russian Medical Union.	free access	http://www.rmass.ru/
Web-medicine	The site presents a catalog of professional medical resources, including links to the most authoritative subject sites, journals,	free access	http://webmed.irkutsk.ru/

	societies, as well as useful documents and programs. The site is intended for doctors, students, employees of medical universities and scientific institutions.		
Databases			
World Health Organization	The site contains news, statistics on countries that are members of the World Health Organization, fact sheets, reports, WHO publications and much more.	free access	http://www.who.int/ru/
Ministry of Science and Higher Education of the Russian Federation	The website of the Ministry of Science and Higher Education of the Russian Federation contains news, newsletters, reports, publications and much more	free access	http://www.minobrnauki.gov.ru
Ministry of Education of the Russian Federation	The website of the Ministry of Education of the Russian Federation contains news, newsletters, reports, publications and much more	free access	https://edu.gov.ru/
Federal portal "Russian education"	A single window for access to educational resources. This portal provides access to textbooks on all areas of medicine and health care.	free access	http://www.edu.ru/
Polpred.com	Electronic library system Business media. Media Review	free access	https://polpred.com/news
Bibliographic databases			
Database "Russian Medicine"	It is created in the Central Scientific and Methodological Library and covers the entire collection, starting from 1988. The database contains bibliographic descriptions of articles from domestic journals and collections, dissertations and their abstracts, as well as domestic and foreign books, collections of institute proceedings, conference materials, etc. Thematically, the database covers all areas of medicine and related areas of biology, biophysics, biochemistry, psychology, etc.	free access	https://rucml.ru/
PubMed	A text database of medical and biological publications in English. The PubMed database is an electronic search engine with free access to 30 million publications from 4,800 indexed journals on medical topics. The database contains articles published from 1960 to the present day, including information from MEDLINE, PreMEDLINE, NLM. Each year, the portal is replenished with more than 500 thousand new works.	free access	https://pubmed.ncbi.nlm.nih.gov/
eLIBRARY.RU	Russian information portal in the field of science, technology, medicine and education, containing abstracts and full texts of more than 13 million scientific articles and	Full functionality of the site is available after registration	http://elibrary.ru/defaultx.asp

	publications. The eLIBRARY.RU platform provides electronic versions of more than 2,000 Russian scientific and technical journals, including more than 1,000 open access journals.		
Electronic library of dissertations (RSL)	Currently, the Electronic Library of Dissertations of the Russian State Library contains more than 919,000 full texts of dissertations and abstracts.	free access	http://diss.rsl.ru/?menu=disscatalog/
Medline.ru	Medical and biological portal for specialists. Biomedical journal.	free access	https://journal.scbmt.ru/jour/index
Official Internet portal of legal information	The single official state information and legal resource in Russia	free access	http://pravo.gov.ru/

3.6. Licensed and freely distributed software used in the educational process

List of software (commercial software products)

No. p/p	List of software (commercial software products)	Details of supporting documents
1.	MS Operating System Windows 7 Pro	License number 48381779
2.	MS Operating System Windows 10 Pro	CONTRACT No. UT-368 from 09.21.2021
3 .	MS Office	License number: 43234783, 67810502, 67580703, 64399692, 62795141, 61350919
4.	Kaspersky Endpoint Security for Business – Standard Russian Edition. 50-99 Node 1 year Educational Renewal License	Agreement No. 7 AA dated 02/07/2025
5.	1C Accounting and 1C Salary	LICENSE AGREEMENT 612/L dated 02.02.2022 (additional licenses)
6.	PROF University	LICENSE AGREEMENT No. KrTsB-004537 dated 12/19/2023
7.	1C: PROF Library	LICENSE AGREEMENT No. 2281 dated 11.11.2020
8.	Consultant Plus	Contract No. 41AA dated 12/27/2024
9.	Contour.Tolk	Agreement No. K213753/24 dated 13.08.2024
10.	E-learning environment 3KL (Russian Moodle)	Agreement No. 1362.5 dated November 20, 2024
11.	Astra Linux Common Edition	Agreement No. 142 A dated September 21, 2021
12.	Information system "Plans"	Agreement No. 2873-24 dated June 28, 2024
13.	1C: Document Management	Agreement No. 2191 dated 10/15/2020
14.	R7-Office	Agreement No. 2 KS dated 12/18/2020
15.	License "OS ROSA CHROME workstation"	Agreement No. 88A dated 08/22/2024
16.	Alt Virtualization Server 10 (for secondary specialized and higher professional education)	Agreement No. 14AK dated 09/27/2024
17.	Dr.Web Desktop Security Suite Comprehensive protection + Control Center for 12 months.	Agreement No. 8 dated October 21, 2024
18.	Software "Schedule for educational institutions"	Agreement No. 82A dated July 30, 2024

List of freely distributed software

No. p/p	List of freely distributed software	Links to license agreement
1.	Yandex Browser	Freely distributed License agreement for the use of Yandex Browser programs https://yandex.ru/legal/browser_agreement/
2.	Yandex.Telemost	Freely distributed License Agreement for the Use of Programs https://yandex.ru/legal/telemost_mobile_agreement/
3.	Dr.Web CureIt!	Freely distributed License Agreement: https://st.drweb.com/static/new-www/files/license_CureIt_ru.pdf
4.	OpenOffice	Freely distributed License: http://www.gnu.org/copyleft/lesser.html
5.	LibreOffice	Freely distributed License: https://ru.libreoffice.org/about-us/license/
6.	VK Calls	Freely distributed https://vk.com/license
7.	Kaspersky Free Antivirus	Freely distributed https://products.s.kaspersky-labs.com/homeuser/Kaspersky4Win2021/21.16.6.467/english-0.207.0/3830343439337c44454c7c4e554c4c/kis_eula_en-in.txt

3.7. Resources of the information and telecommunications network "Internet"

1. Replace the Amur State Medical Academy library e-mail address with <https://amurgma.ru/obuchenie/biblioteki/biblioteka-amurskoy-gma/>
2. The e-mail address of the Electronic Library System "Student Consultant" should be replaced with <https://www.studentlibrary.ru>

4. Evaluation Fund

4.1.Examples of test tasks for intermediate knowledge control

Test assignments are located in the Moodle system

Access mode: <https://educ-amursma.ru/course/view.php?id=525>

Total number of tests – 100.

Examples of test tasks for midterm assessment.

1. PLACES TO USE MUSTARD PLASTERS
 - 1) interscapular region, under the shoulder blades
 - 2) gluteal region
 - 3) ankle area
 - 4) epigastric region
2. SUBLINGUAL ROUTE OF ADMINISTRATION OF MEDICINAL SUBSTANCES IS THE ADMINISTRATION
 - 1) under the tongue
 - 2) into the rectum
 - 3) into the respiratory tract
 - 4) on the skin
3. ENTERAL METHOD OF ADMINISTRATION OF MEDICINES
 - 1) inside through the mouth
 - 2) through the respiratory tract

- 3) into the subarachnoid space
- 4) on the conjunctiva of the eyes

Standards of correct answers:

The correct answer is 1.

4.2. List of practical skills that a student should have after completing the internship

1. Preparation of disinfectant solutions.
2. Determining the patient's height and body weight.
3. Determination of chest circumference.
4. Counting the number of respiratory movements.
5. Transportation of patients.
6. Changing bed linen and underwear for a seriously ill person.
7. Vessel submission.
8. Washing the patient.
9. Carrying out oral hygiene.
10. Instillation of eye drops and eye rinsing.
11. Putting drops into the ears and cleaning the ears.
12. Carrying out nasal hygiene, instilling drops into the nose.
13. Measuring body temperature and recording data on a temperature sheet.
14. Applying a local warming compress to the limbs and ear.
15. Applying a cold compress.
16. Preparing and serving a heating pad to the patient.
17. Preparing and serving an ice pack to the patient.
18. Rubbing, rubbing, and lubricating the skin with a medicinal product.
19. First aid for sudden shortness of breath (suffocation).
20. Collection of sputum for laboratory testing.
21. First aid for hemoptysis.
22. Conducting oxygen therapy using various methods.
23. Ability to use a pocket inhaler.
24. Determination of the characteristics of the pulse on the radial artery.
25. Measuring blood pressure.
26. First aid for stomach, lung and nosebleeds.
27. First aid for heart pain.
28. Recording the results of pulse and blood pressure measurements in a temperature sheet.
29. First aid for vomiting.
30. Conducting an examination of the oral cavity.
31. Taking a swab from the throat and nose for bacteriological examination.
32. Insertion of a nasogastric tube for feeding patients.
33. Carrying out gastric lavage with a thick probe.
34. Insertion of a gas vent tube.
35. Setting up a cleansing enema.
36. Setting up a siphon enema.
37. Setting up an oil and hypertonic enema.
38. Setting up a medicinal enema.
39. Determination of water balance.
40. Collection of urine for laboratory testing.
41. Conducting the Zimnitsky test.
42. Performing indirect cardiac massage.
43. Carrying out artificial ventilation of the lungs.
44. Technique for performing subcutaneous, intramuscular, intravenous injections.

4.3. List of questions for the test

1. Rules for counting the number of respiratory movements.
2. Rules and types of transportation of patients.
3. Rules for changing bed linen and underwear for a seriously ill person.
4. Vessel submission.
5. Washing the patient.
6. Carrying out oral hygiene.
7. Instillation of eye drops and eye rinsing.
8. Putting drops into the ears and cleaning the ears.
9. Carrying out nasal hygiene, instilling drops into the nose.
10. Measuring body temperature and recording measurement data on a temperature sheet.
11. Applying mustard plasters.
12. Application of a local warming compress.
13. Applying a cold compress.
14. Preparing and serving a heating pad to the patient.
15. Preparing and serving an ice pack to the patient.
16. First aid for sudden shortness of breath (suffocation).
17. Collection of sputum for laboratory testing.
18. First aid for hemoptysis.
19. Rules for conducting oxygen therapy using various methods.
20. Rules for using a pocket inhaler.
21. Method for determining the pulse on the radial artery.
22. Measuring blood pressure.
23. First aid for stomach, lung and nosebleeds.
24. First aid for heart pain.
25. Recording the results of pulse and blood pressure measurements in a temperature sheet.
26. First aid for vomiting.
27. Conducting an examination of the oral cavity.
28. Carrying out gastric lavage with a thick probe.
29. Conducting a fractional study of gastric juice. Probing the stomach with a thin probe.
30. Carrying out duodenal intubation.
31. Insertion of a gas vent tube.
32. Setting up a cleansing enema.
33. Setting up a siphon enema.
34. Setting up an oil and hypertonic enema.
35. Setting up a medicinal enema.
36. Determination of water balance.
37. Collection of urine for laboratory testing.
38. Conducting the Zimnitsky test.
39. Carrying out catheterization of the urinary bladder with a soft catheter.
40. Performing indirect cardiac massage.
41. Carrying out artificial ventilation of the lungs.
42. Definition of the concept of care for surgical patients.
43. The importance of nursing surgical patients.
44. Basic principles of deontology in patient care in a surgical clinic.
45. Admission and diagnostic department. Organization of work, functions of the department.

46. Sanitary treatment of the patient in the admission and diagnostic department and transportation of the surgical patient to the department.
47. Structure of the surgical department. Treatment and protective regime of surgical departments. Sanitary treatment of the surgical department. Air disinfection with ultraviolet radiation sources.
48. Hospital-acquired (hospital-acquired) infection. Prevention of hospital infection.
49. Processing and disinfection of medical equipment, diagnostic and treatment equipment, couches, and gurneys.
50. Hygiene of the body of medical personnel. Wearing and hygiene of medical clothing: medical gown, cap , change of shoes.
51. Rules of conduct for medical personnel in the dressing room, manipulation room, and operating room.
52. Hygiene of the body of a surgical patient with a free regime.
53. Hygiene of the body of a surgical patient on bed rest. Hair, oral cavity, and nasal care.
54. Comprehensive prevention of bedsores in surgical patients.
55. Change of linen for patients with a flexible regime.
56. Changing bed linen and underwear for patients on bed rest.
57. Treatment and disinfection of mattresses, blankets, pillows.
58. Nutrition of surgical patients.
59. Preparation for surgery and features of patient care after abdominal surgery.
60. Care of patients with chest injuries.
61. Care for patients with injuries of the musculoskeletal system.
62. Features of care for patients with thermal injuries (burns and frostbite).
63. Care for patients with urological pathology.
64. Peculiarities of care for cancer patients. The concept of euthanasia.
65. Features of care for patients with gastrostomies, cystostomies, tracheostomies.
66. Nursing care in RAO.
67. Syringe device. Technique of intramuscular, subcutaneous injections.
68. Intravenous injections. Technique, complications.
69. The concept of desmurgy. Bandages on the head, upper and lower limbs, chest.
70. Clinical death.
71. Technique for performing resuscitation measures (closed cardiac massage, artificial ventilation).

Head of Department



I.G. Menshikova

ADDITIONS AND CHANGES TO THE PRACTICAL WORK PROGRAM
"PRACTICAL TRAINING TO OBTAIN PRIMARY PROFESSIONAL SKILLS AND
ABILITIES FOR THE POSITION OF NURSE MEDICAL STAFF. ASSISTANT WARD
NURSE"
SPECIALTY 31.05.01 MEDICAL CARE
FOR THE 2026-2027 ACADEMIC YEAR

1. Update the table in section 3.5. Professional databases, information and reference systems, electronic educational resources

Resource name	Resource Description	Access	Resource address
Electronic library systems			
Student Consultant. Medical University Electronic Library	For students and faculty of medical and pharmaceutical universities. Provides access to electronic versions of textbooks, teaching aids, and periodicals.	Remote access after registration under the university profile	https://www.studentlibrary.ru/
Reference and information system " MedBaseGeotar ".	The MedBaseGeotar reference and information system is designed for practicing medical specialists, researchers, teachers, postgraduate students, residents, senior students, and healthcare managers to quickly search, select, and read the medical literature they need for their work in a single data source.	Remote access after registration under the university profile	https://mbasegeotar.ru/pages/index.html
Electronic Library System " Bookup "	A large medical library is an information and educational platform for the shared use of electronic educational and methodological publications from medical universities in Russia and the CIS countries.	Remote access after registration under the university profile	https://www.books-up.ru/

Electronic Block System "Lan"	Network electronic library of medical universities - an electronic database of educational and scientific works on medical topics, created for the purpose of implementing network forms of professional educational programs, open access to educational materials for partner universities	Remote access after registration under the university profile	https://e.lanbook.com/
Scientific electronic library "CyberLeninka"	CyberLeninka is a scientific electronic library built on the paradigm of open science (Open Science), whose main goals are the popularization of science and scientific activity, public oversight of the quality of scientific publications, the development of interdisciplinary research, a modern institution of scientific review, increasing the citation rate of Russian science, and building a knowledge infrastructure. It contains over 2.3 million scientific articles.	free access	https://cyberleninka.ru/
Human Biology Knowledge Base	Reference information on <u>physiology</u> , <u>cell biology</u> , <u>genetics</u> , <u>biochemistry</u> , <u>immunology</u> , <u>pathology</u> . (Resource of the Institute of Molecular Genetics of the Russian Academy of Sciences.)	free access	http://humbio.ru/
State Register of Medicines	The State Register of Medicines website contains information about medications: indications, contraindications, mechanism of action, side effects, dosages, and methods of administration.	free access	https://grls.rosminzdrav.ru/GR.LS.aspx
Information systems			
Clinical Guidelines Index	A resource of the Russian Ministry of Health that contains clinical guidelines developed and approved by medical professional non-profit organizations of the Russian Federation, as well as methodological manuals, nomenclatures, and other reference materials.	Link to download the application	https://cr.minzdrav.gov.ru/#!/
Federal Electronic	The Federal Electronic Medical Library is part of the unified state information system in the field of healthcare as a reference system . The	free access	https://femb.ru/

Medical Library (FEMB)	FEMB was created on the basis of the funds of the Central Scientific Medical Library named after I.M. Sechenov.		
Russian State Library (RSL)	<p>Collection size: approximately 3 million titles</p> <p>Period covered: from the 11th century to the present</p> <p>The Russian State Library's Electronic Library is a collection of electronic copies of valuable and frequently requested publications from the Russian State Library's collections, from external sources, as well as documents originally created in electronic form.</p>	Registration on the website	https://www.rsl.ru/
Russian Medical Association	<p>A professional online resource .</p> <p>Purpose: to promote effective professional activity among medical personnel. Contains the charter, personnel, structure, membership rules, and information about the Russian Medical Union.</p>	free access	http://www.rmass.ru/
Web medicine	The website provides a directory of professional medical resources, including links to the most authoritative specialized websites, journals, societies, as well as useful documents and programs. It is intended for physicians, students, and staff of medical universities and research institutions.	free access	http://webmed.irkutsk.ru/
Databases			
World Health Organization	The site contains news, statistics on countries that are members of the World Health Organization, fact sheets, reports, WHO publications, and much more.	free access	http://www.who.int/ru/
Ministry of Science and Higher Education of the Russian Federation	The website of the Ministry of Science and Higher Education of the Russian Federation contains news, newsletters, reports, publications, and much more.	free access	http://www.minobrnauki.gov.ru

Ministry of Education of the Russian Federation	The website of the Ministry of Education of the Russian Federation contains news, newsletters, reports, publications, and much more.	free access	https://edu.gov.ru/
Polpred.com	Electronic library system Business media. Media review	free access	https://polpred.com/news
Bibliographic databases			
Database "Russian Medicine"	Created at the Central Scientific and Methodological Library, it covers the entire collection since 1988. The database contains bibliographic descriptions of articles from Russian journals and collections, dissertations and their abstracts, as well as Russian and foreign books, institute proceedings, conference materials, etc. Thematically, the database covers all areas of medicine and related fields of biology, biophysics, biochemistry, psychology, etc.	free access	https://rucml.ru/
PubMed	A text database of medical and biological publications in English. PubMed is an electronic search engine with free access to 30 million publications from 4,800 indexed medical journals. The database contains articles published from 1960 to the present, including information from MEDLINE, PreMEDLINE, and NLM. Each year, the portal is updated with more than 500,000 new papers.	free access	https://pubmed.ncbi.nlm.nih.gov/
eLIBRARY.RU	A Russian information portal in science, technology, medicine, and education, containing abstracts and full texts of over 13 million scientific articles and publications. The eLIBRARY.RU platform offers electronic versions of over 2,000 Russian scientific and technical journals, including over 1,000 open-access journals.	Full functionality of the site is available after registration.	http://elibrary.ru/defaultx.asp

Electronic library of dissertations (RSL)	Currently, the Electronic Library of Dissertations of the Russian State Library contains more than 919,000 full texts of dissertations and abstracts.	free access	http://diss.rsl.ru/?menu=disscatalog/
Medline .r u	Medical and biological portal for specialists. Biomedical journal.	free access	https://journal.scbmt.ru/jour/index
Official Internet portal of legal information	The single official state information and legal resource in Russia	free access	http://pravo.gov.ru/

2. Update the table in section 3.6. “Licensed and freely distributed software used in the educational process” to read as follows:

List of software (commercial software products)

No. p / p	List of software (commercial software products)	Details of supporting documents
1.	MS operating system Windows 7 Pro	License number 48381779
2.	MS operating system Windows 10 Pro	CONTRACT No. UT-368 from September 21, 2021
3 .	MS Office	License numbers: 43234783, 67810502, 67580703, 64399692, 62795141, 61350919
4.	Kaspersky Endpoint Security for Business - Standard Russian Edition . 50-99 Node 1-year Educational Renewal License	Agreement No. 7 AA dated 02/07/2025
5.	1C Accounting and 1C Salary	LICENSE AGREEMENT 612/L dated 02.02.2022 (additional licenses)
6.	1C: PROF University	LICENSE AGREEMENT No. KrTsB-004537 dated December 19, 2023
7.	1C: PROF Library	LICENSE AGREEMENT No. 2281 dated November 11, 2020
8.	Consultant Plus	Contract No. 41AA dated December 27, 2024
9.	Contour .Tolk	Agreement No. K213753/24 dated August 13, 2024
10.	3KL e-learning environment (Russian Moodle)	Agreement No. 1362.5 dated November 20, 2024
11.	Astra Linux Common Edition	Agreement No. 142 A dated September 21, 2021
12.	Information system "Plans"	Agreement No. 2873-24 dated June 28, 2024
13.	1C: Document Management	Agreement No. 2191 dated 10/15/2020
14.	R7-Office	Agreement No. 2 KS dated 12/18/2020
15.	License for the "ROSA CHROME OS Workstation"	Agreement No. 88A dated 08/22/2024

16.	Alt Virtualization Server 10 (for secondary and higher vocational education)	Agreement No. 14AK dated September 27, 2024
17.	Dr.Web Desktop Security Suite Comprehensive Protection + Control Center for 12 months.	Agreement No. 8 dated October 21, 2024
18.	Software "Schedule for educational institutions"	Agreement No. 82A dated July 30, 2024

List of freely distributed software

No . p / p	List of freely distributed software	Links to the license agreement
1.	Yandex Browser	Freely distributed License Agreement for the Use of Yandex Browser Software https://yandex.ru/legal/browser_agreement/
2.	Yandex.Telemost	Freely distributed License Agreement for the Use of Software https://yandex.ru/legal/telemost_mobile_agreement/
3.	Dr.Web CureIt !	Freely distributed License Agreement: https://st.drweb.com/static/new-www/files/license_CureIt_ru.pdf
4.	OpenOffice	Freely distributed License: http://www.gnu.org/copyleft/lesser.html
5.	LibreOffice	Freely distributed License: https://ru.libreoffice.org/about-us/license/
6.	VK Calls	Freely distributed https://vk.com/licence
7.	Kaspersky Free Antivirus	Freely distributed https://products.s.kaspersky-labs.com/homeuser/Kaspersky4Win2021/21.16.6.467/english-0.207.0/3830343439337c44454c7c4e554c4c/kis_eula_en-in.txt