

Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation (in abbreviated form- FSBEI HE NOSMA MOH Russia)

Decree

Rector of the Federal State Budgetary  
Educational Institution of Higher Education  
"North-Ossetian State Medical Academy"  
of the Ministry of Healthcare of the  
Russian Federation (in abbreviated form-  
FSBEI HE NOSMA MOH Russia)



professor

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**The main professional educational program of higher education**

Specialties 31.05.01 General Medicine

Graduate qualification

Medical doctor

Full-time form of education

Duration of study 6 years

The main professional educational program of higher education (MPEP) in the specialty 31.05.01 General Medicine was made up of:

Ph.D. Butaev T.M.,  
Professor Astakhova Z.T.,  
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Associate Professor Belikova Z.F.

The main professional education department of higher education in specialty 31.05.01 General Medicine was approved at the meeting of the Central Medical Department on May 16, 2018 (protocol № 4).

The main professional education department of higher education in specialty 31.05.01 General Medicine was approved at the meeting of the Academic Council on 30.06.2018 (protocol № 8)

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## 1. General Provisions

1.1. The main professional educational program of higher education in the direction of training (specialty) 31.05.01 General Medicine (hereinafter - MPEP), implemented in the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation (in abbreviated form- FSBEI HE NOSMA MOH Russia), further - the Academy, is a system of documents developed and approved by the Academic Council of the Academy taking into account the needs of the labor market on the basis of the Federal State Educational Standard of Higher Education in the relevant area of training (specialty), as well as taking into account the recommended exemplary basic educational program of higher education (hereinafter referred to as the MPEP).

The MPEP regulates the objectives, expected results, content, conditions and technologies for the implementation of the educational process, an assessment of the quality of graduate training in this area of training and includes:

- curriculum training specialist;
- calendar training schedule;
- work programs of disciplines (modules) and other materials that ensure the quality of training of students;
- programs of practice and organization of research work;
- matrix of competencies, passports and programs of the formation of competencies;
- Requirements for state final certification of graduates;
- educational and methodical complexes of curriculum disciplines;  
(methodical materials);
- methodological materials to ensure the implementation of appropriate educational technology.

1.2. Regulatory documents for the development of a health professional education unit in the direction of training 31.05.01 General Medicine

The regulatory framework for the development of MPEP is:

Federal Law of the Russian Federation "On Education in the Russian Federation" of December 29, 2012 N 273-FZ;

Federal State Educational Standard of Higher Education in the direction of training (specialty) 31.05.01 General Medicine, approved by order of the Ministry of Education and Science of the Russian Federation of February 9, 2016 No. 95.

Order of the Ministry of Education and Science of the Russian Federation No. 301 of April 5, 2017 "On Approval of the Procedure for Organizing and Implementing Educational Activities in Higher Education Educational Programs - Bachelor's Programs, Specialty Programs, Master's Programs";

Order of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation (in abbreviated form- FSBEI HE NOSMA MOH Russia)" On approval of the Regulation on the organization of the educational process in the Federal State Budgetary Educational Institution of Higher Education of the Ministry of Healthcare of the Russian Federation " dated 02.06.2017 No. 210 / o;

Order of the FSBEI HE NOSMA MOH Russia of the Ministry of Healthcare of the Russian Federation "On the approval of the Regulation on the ongoing monitoring of progress and interim assessment of students at the the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation " of 09.02.2018 № 40 / o;

Order of the FSBEI HE NOSMA MOH Russia of the Ministry of Healthcare of the Russian Federation (On approval of the FSBEI HE NOSMA MOH Russia of the Ministry of Healthcare of the Russian Federation) of 04.04.2011, №424;

Order of the FSBEI HE NOSMA MOH Russia of the Ministry of Healthcare of the Russian Federation "On Approval of the Regulation on the point-rating system for assessing the academic performance of students of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation (in abbreviated form- FSBEI HE NOSMA MOH Russia)" dated February 09, 2018 №40 / o;

Order of the Ministry of Education and Science of the Russian Federation of June 29, 2015 №636 on the “Procedure for conducting state final attestation in educational programs of higher education - undergraduate programs, specialty programs and graduate programs”;

Order № 250 / d of 06.27.2017 of the Ministry of Healthcare of the Russian Federation on the approval of the procedure for conducting state final certification for educational programs of higher education - specialty programs of the Ministry of Healthcare of the Russian Federation;

Order of the FSBEI HE NOSMA MOH Russia of the Ministry of Healthcare of the Russian Federation "On approval of the Regulations on the practice of students of the FSBEI HE NOSMA MOH Russia of the Ministry of Healthcare of the Russian Federation " dated April 13, 2016 №. 121 / o;

Charter of the FSBEI HE NOSMA MOH Russia of the Ministry of Healthcare of the Russian Federation.

1.3. General characteristics of the main professional educational program of higher education

1.3.1. The purpose of the professional health professional education in specialty 31.05. General Medicine.

In accordance with the requirements of the Federal State Educational Standards of Higher Education in the specialty "General Medicine", taking into account modern requirements of medical science and practice, the requests of employers and trainees, the purpose of MPEP is to train qualified personnel in the specialty "General Medicine" society, a state competitive in the labor market, confident in the relevance of their professional knowledge from modern society.

The mission of the Department of Professional Education in Training in General Medicine: creating conditions for the fundamental and practical orientation of training specialists based on international standards, national traditions of higher medical education and ensuring the competitiveness of graduates of the Academy in the domestic and foreign labor markets; for the implementation of continuing medical education, the most focused on the needs of the individual, society and the state.

#### 1.3.2. The term of the development of MPEP in the specialty 31.05.01 General Medicine

The term of development of the educational program of the Federal State Educational Standards of Higher Education in the specialty 31.05.01 General Medicine is 6 years (312 weeks).

Of these, according to the working curriculum, the duration of theoretical training is 211 and 1/3 weeks; exam sessions - 21 weeks; the duration of the training practices is 4 weeks, the work practices are 16 and 2/3 weeks; final state certification - 2 and vacation- 57 weeks.

#### 1.3.3. The complexity of the professional professional education program

According to the curriculum for the educational program of the Federal State Educational Standards of Higher Education on May 31, 01 01 General Medicine, the total amount of training load is 360.e. From them on B1B - 290 is assigned; B1. - 25 z.e., B1.V.DV - 11 s.e .; B2.P -25 z.e., B2.U - 6 z.e .; State final certification - 3 p. The deviation in May 31, 01, 2001. There is practically no medical practice.

The volume of the program of specialty in full-time education, implemented in one academic year, is 60 z.

The duration of the training session in the form of contact work is 90 minutes, the break between classes is 5 minutes.

The complexity of the development of a student of the MPEP includes all types of student's classroom, extracurricular and independent work, practice and the time allotted for the quality control of a student's mastering of the MPEP.

#### 1.3.4. Requirements for the applicant.

The admission of applicants is conducted on a competitive basis on the basis of applications of persons having a state-approved document on secondary (full) general education in accordance with the order "On Approval of Admission Rules and other documents regulating admission to the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State

Medical Academy" of the Ministry of Healthcare of the Russian Federation for 2018" dated 09.29.2017 № 362 / о.

## **2. Characteristics of the professional activity of graduates who have mastered the professional education department of higher education in the specialty 31.05.01 General Medicine**

21. The field of professional activity of graduates who have mastered the MPEP includes the protection of the health of citizens by ensuring the provision of medical care in accordance with established requirements and standards in the field of health care.

22. The objects of professional activity of graduates who have mastered the MPEP are:

- individuals (patients);
- population;
- set of tools and technologies aimed at creating conditions for the protection of public health.

23. Types of professional activity for which graduates are trained who have mastered the MPEP:

- medical;
- organizational and managerial;
- research.

The specific types of professional activity for which the doctor is mainly preparing are determined by the higher education institution in accordance with the requirements of the Ministry of Healthcare of the Russian Federation.

24. Tasks of the graduate's professional activity:

medical activities:

prevention of diseases among the population through preventive and anti-epidemic measures;  
carrying out routine medical examinations, medical examinations,  
follow-up;

the collection and medical-statistical analysis of information on the health indicators of the population of different age and sex groups, characterizing their health status;

diagnosis of diseases and pathological conditions of patients; diagnosis of emergency conditions;  
pregnancy diagnosis;

examination of temporary disability and participation in other types of medical expertise;

the provision of primary medical and sanitary care in outpatient and day care settings;

rendering primary medical and medical care in case of sudden acute diseases, conditions, exacerbation of chronic diseases that are not accompanied by a threat to the life of the patient and do not require emergency medical care;

participation in the provision of emergency medical care in conditions requiring urgent medical intervention;  
 emergency medical assistance, including participation in medical evacuation;  
 participation in the conduct of medical rehabilitation and sanatorium-resort treatment;  
 formation of motivation among the population, patients and their family members, aimed at preserving and strengthening their health and the health of those around them;  
 patient education on basic hygiene measures of a health-improving nature, contributing to the prevention of the occurrence of diseases and health promotion;  
 organizational and management activities:  
 application of the basic principles of the organization of medical care in medical organizations and their structural divisions;  
 creation in medical organizations of favorable conditions for the stay of patients and the work of medical personnel; keeping medical records in medical organizations; organization of medical examination;  
 participation in the organization of the assessment of the quality of care for patients;  
 compliance with basic information security requirements; research activities:  
 analysis of scientific literature and official statistical reviews;  
 participation in the statistical analysis and public presentation of the results;  
 participation in the solution of individual research and scientific  
 applied tasks in the field of health care for diagnostics, treatment, medical rehabilitation and prevention.

### **3. Requirements for the results of the development of professional education programs**

#### **31.05.01 General Medicine**

As a result of mastering a specialist program, a general cultural, professional and professional competence should be formed at the graduate.

3.1. A graduate who has mastered the MPEP must possess the following general cultural competencies:

ability to abstract thinking, analysis, synthesis (OK-1); the ability to use the basics of philosophical knowledge to form the ideological position (GC-2);

the ability to analyze the main stages and patterns of the historical development of society for the formation of citizenship (GC-3); ability to act in non-standard situations, to bear social and ethical responsibility for the decisions made (GC-4);

readiness for self-development, self-realization, self-education, the use of creative potential (GC-5);



the ability to use methods and means of physical culture to ensure full social and professional activities (GC-6);

readiness to use the techniques of first aid, methods of protection in emergency situations (GC-7);

readiness to work in a team, tolerantly perceive social, ethnic, confessional and cultural differences (GC-8);

general professional competencies:

willingness to solve standard tasks of professional activity using information, bibliographic resources, biomedical terminology, information and communication technologies and taking into account the basic requirements of information security (OPK-1);

readiness for communication in oral and written forms in Russian and foreign languages for solving the tasks of professional activity (OPK-2);

the ability to use the basics of economic and legal knowledge in their professional activities (OPK-3);

the ability and willingness to implement ethical and deontological principles in professional activities (OPK-4);

ability and willingness to analyze the results of their own activities to prevent professional errors (OPK-5);

readiness to keep medical records (OPK-6);

readiness to use basic physicochemical, mathematical and other natural science concepts and methods in solving professional problems (OPK-7);

readiness for medical use of drugs and other substances and their combinations in solving professional problems (OPK-8);

ability to assess morphofunctional, physiological states and pathological processes in the human body to solve professional problems (OPK-9);

willingness to provide organization of care for the sick and

the provision of primary health care (OPK-10); readiness for the use of medical devices provided for by the procedures for providing medical care (OPK-11);

professional competencies:

medical activities:

ability and readiness to implement a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, preventing the occurrence and (or) spread of diseases, their early diagnosis, identifying the causes and conditions of their occurrence and development, as well as aimed at eliminating the harmful effects on human health of environmental factors (PC-1);

ability and readiness to conduct preventive medical examinations, clinical examination and the implementation of follow-up observation (PC-2);

ability and readiness to carry out anti-epidemic measures, organization of protection of the population in the centers of especially dangerous infections, with a deterioration of the radiation situation, natural disasters and other emergency situations (PC-3);

ability and readiness to use social hygienic methods of collecting and medical and statistical analysis of information on health indicators of population (PC-4);

readiness to collect and analyze patient complaints, his medical history, examination results, laboratory, instrumental, autopsy and other studies in order to recognize the condition or establish the fact of the presence or absence of the disease (PC-5);

the ability to determine the patient's underlying pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Health Problems, X revision (PC-6);

willingness to conduct an examination of temporary disability, participation in the conduct of medical and social expertise, ascertaining the biological death of a person (PC-7);

ability to determine the tactics of managing patients with various nosological forms (PC-8);

readiness for the management and treatment of patients with various nosological forms in outpatient and day hospital conditions (PC-9);

readiness to provide medical care in case of sudden acute diseases, conditions, exacerbation of chronic diseases that are not accompanied by a threat to the patient's life and do not require emergency medical care (PC-10);

willingness to participate in the provision of emergency medical care in conditions requiring urgent medical intervention (PC-11);

readiness to maintain a physiological pregnancy, childbirth (PC-12);

readiness to participate in the provision of medical assistance in emergency situations, including participation in medical evacuation (PC-13);

willingness to determine the need for the use of natural therapeutic factors, drug, non-drug therapy and other methods in patients in need of medical rehabilitation and sanatorium-resort treatment (PC-14);

readiness to teach patients and their relatives basic hygiene measures of a health-improving nature, skills of self-monitoring of basic physiological indicators that contribute to the preservation and promotion of health, and the prevention of diseases (PC-15);

willingness to educate on the elimination of risk factors and the formation of skills for a healthy lifestyle (PC-16);

organizational and management activities:

ability to apply the basic principles of organization and management in the field of public health, in medical organizations and their structural units (PC-17);

willingness to participate in assessing the quality of care with the use of basic medical and statistical indicators (PC-18);

ability to organize medical care in emergency situations, including medical evacuation (PC-19); research activities

readiness for analysis and public presentation of medical information based on evidence-based medicine (PC-20);

ability to participate in research (PC-21);

readiness to participate in the introduction of new methods and techniques aimed at protecting the health of citizens (PC-22).

#### **4. Documents regulating the content and organization of the educational process in the implementation of the MPEP in the direction of preparation for the 31.05.01 General Medicine.**

The organization of the educational process in the implementation of the MPEP is regulated by the curriculum; work programs, disciplines (modules); other materials that ensure the quality of training and education of students; educational and work practice programs; calendar educational schedule, as well as teaching materials to ensure the implementation of appropriate educational technologies.

4.1. The curriculum displays the logical sequence of mastering the cycles and sections of the MPEP (disciplines, modules, practices) ensuring the formation of competencies. It indicates the total labor-intensiveness of disciplines, modules, practices in credits, as well as their total and classroom labor-intensiveness in hours.

The structure of the specialty program includes the mandatory part (basic) and part formed by the participants of educational relations (variable), which provides the possibility of implementing specialty programs with different specializations within the same specialty.

The specialty program consists of the following blocks:

- Block 1 "Disciplines (modules)", which includes disciplines (modules) relating to the basic part of the program and disciplines (modules) relating to its variable part
- The variable part includes compulsory disciplines and elective disciplines, and allows you to independently form the list and sequence of modules and disciplines taking into account the recommendations of the MPEP.

#### **Compulsory disciplines of the variable part of Block 1:**

1-3 course

russian as a foreign language;

#### 6 course

hematology;

functional diagnostics.

### **Disciplines on the choice of the variable part of Block 1:**

#### 2 course

physical monitoring;

modern methods of examination of patients;

#### 6 course

clinical biochemistry;

biochemical studies in the clinic;

methods of modern express diagnostics;

antimicrobial chemotherapy;

modern principles of treatment of infectious diseases.

- Block 2 "Practices, including research work" fully relates to the basic part of the program;

- Block 3 "State final certification", which also fully relates to the basic part of the program and ends with the assignment of the qualification "Doctor-Clinic".

For each discipline, practice types of educational work, forms of intermediate and state final certification are indicated (the curriculum for the preparation of specialty 31.05.01 General Medicine is attached).

42. Schedule training schedule (attached).

43. Work programs of disciplines (modules) (attached).

44. Training and work practice programs are attached separately.

The practice program includes:

indication of the type of practice, method and form (forms) of its implementation;

the list of the planned learning outcomes during the internship, correlated with the planned results of mastering the basic professional educational program of higher education;

indication of the place of practice in the structure of the MPEP;

an indication of the amount of practice in credits and its duration in weeks or in academic or astronomical hours;

content of practice;

indication of reporting forms in practice;

a fund of appraisal funds for intermediate certification of students in practice; list of textbooks and Internet resources necessary for the practice;

a list of information technologies used in the practice, including a list of software and information reference systems (if necessary);

description of the material and technical base necessary for the practice.

In accordance with the Federal State Educational Standards of Higher Education in the specialty “General Medicine”, the section of the MPEP is mandatory and is a type of training that is directly focused on the professional and practical training of students.

Practitioners reinforce the knowledge and skills acquired by students as a result of mastering theoretical courses, develop practical skills and contribute to the integrated formation of students' general cultural and professional competencies.

In accordance with the Federal State Educational Standards of Higher Education in 2013, the training practice “Basics of nursing care” was introduced into the curriculum for first-year students; (3 s. E.)

The purpose of educational practice is aimed at developing students' professional skills, acquiring initial practical experience in the main types of professional activity for further mastering their general and professional competencies in their chosen specialty, mastering nursing manipulations, acquiring patient care skills and ethical and ethical education.

The training practice is planned on the basis of the Clinical Hospital of NOSMA and in the center of practical training under the guidance of experienced teachers. There are 9 clusters in the center of practical training of students, where phantoms, dummies, simulators, anatomical models that are successfully used for the educational process are presented to students, allowing you to increase students' motivation to learn the disciplines. As a result of the internship, students should know:

types of sanitary treatment of patients, types of fevers, features of observation and care of patients with diseases of various body systems;

be able to:

to make sanitary treatment of the patient upon admission to the hospital and during the hospital stay, to change the patient's bed and bed linen, to process the bedsores;

to provide care and transportation for patients of various ages, diseases of various organs and systems;

measure body temperature, daily diuresis, collect biological material from patients for laboratory research; to feed the sick;

conduct anthropometry, various types of enemas, carry out disinfection and presterilization preparation of medical instruments, materials and means of patient care and possess: patient care skills taking into account their age, nature and severity of the disease, including seriously ill and agonizing patients.

Educational practice is completed by test, which is a quality indicator of intermediate certification of students after the first semester.

When implementing the MPEP, the following types of manufacturing practices are envisaged:

In the II semester, practical training is provided - "Assistant nurses" (3 z. E. or 108 hours.); in IV - industrial practice - "Assistant ward nurse" (5 z. E. or 180 hours); in VI - industrial practice - "Assistant procedural nurse" (5 z. E. or 180 hours); in VIII - industrial practice - "Medical Assistant" (9 z. E. or 324 hours); in X - industrial practice - "Assistant doctor of an outpatient clinic" (3 z. E. or 108 hours).

Practitioners are conducted at their own clinical base (Clinical Hospital of NOSMA), as well as at clinical bases with which the relevant agreements have been concluded.

Work practice involves keeping a diary, a student report on the results of the practice and a review of the employer. According to the results of certification, a differentiated assessment is made. (Practice programs are attached).

#### 4.5 Research work of students in the specialty 31.05.01 General Medicine.

The purpose of the students' research work is the complex formation of general cultural, professional and professional competences in accordance with the requirements of the Federal State Educational Standard of Higher Education, as well as the development of existing and development of new areas of research focused on the health requirements of the region and the main trends in the development of priority areas of medical science.

The program of research work has been developed and is being implemented: - preparation of essays on educational and scientific issues in accordance with the curriculum;

- performance of tasks of educational and search character, the solution of non-standard tasks in practical classes on the subjects taught in accordance with the curriculum;

- performance of laboratory works with elements of scientific research on the subjects taught in accordance with the curriculum; - participation of students in the work of scientific circles at the departments of the university;

- Participation of students in educational research and research programs and student conferences of the university;

- abstracting of scientific articles (including in foreign languages) on the problems of scientific topics and disciplines of the department in accordance with the curriculum and plan of scientific work of the department;

- performance of students with reports at scientific student's conferences of a local, regional and international level;

- participation of students in thematic scientific seminars;

- preparation of articles by students for publication in scientific journals. In the process of research and evaluation of its results, a wide discussion is held in the educational structures of the university with the involvement of employers, allowing to assess the level of competencies generated by the student.

## **5. Resourcing of the MPEP.**

Resource support of the MPEP is based on the requirements for the implementation of the MPEP, defined by the MPEP in this area of training (specialty), taking into account the recommendations of the relevant MPEP.

### **5.1. Staffing for the implementation of the MPEP**

The implementation of a professional education specialist is provided by scientific and pedagogical personnel who, as a rule, have a basic education that corresponds to the profile of the taught discipline and systematically engaged in scientific and (or) scientific and methodological activities.

At the beginning of the school year, the number of research and teaching staff of the medical faculty is 258, of which 196 (76.0%) with scientific degrees and titles, including 49 (19%) doctors of science and professors.

### **5.2. Educational, methodical and library-informational support of the educational process during the implementation of the MPEP in the specialty 31.05.01 General Medicine.**

All the departments of the medical faculty are provided with teaching materials for teachers and students, methodological developments on paper and electronic media, tables, slides, albums, models, macro- and micro-preparations, tool kits, multimedia equipment, etc. The Academy has an anatomical museum with unique preparations.

The academy has its own library. The library of the academy provides educational, methodological, library and informational support for educational programs that are being implemented in accordance with the requirements of the federal state educational standard of higher education in the specialty 31.05.01 General Medicine.

The general fund of the library is 422053 copies. Editions and consists of: scientific literature - 272468 copies.;

educational and methodical literature - 103536 copies; including electronic publications - 2787.

Periodicals according to the profile of educational programs implemented - 77 titles.

The average availability of educational and educational literature per student is 0.52 copies.

The average provision of educational and methodological literature for foreign students enrolled in the program, partially implemented in English, is 1.4 students per student.

Each student is provided with access to the electronic library system (ELS) "Student Consultant" (<http://www.studmedlib.ru>) ELS contains publications on the main disciplines studied in medical universities. Access to ELS is individual, unlimited, provided from any point where there is access to the Internet. Agreement with copyright holders number Ed-244 from 09.01.2017

From the reading room computers, access to the Garant information legal system is provided. Within the framework of the cooperation agreement between university libraries, students were granted access to the Calibri's EBS, including teaching and methodological literature of NOSMA's teachers.

The IRBIS 64 automated information library system platform maintains its own databases (over 24,000 entries), an electronic catalog (over 155,000 entries).

For independent work of readers in the library there are 2 reading rooms for 140 seats and a computer reading room for 10 automated users with Internet access.

The scientific and pedagogical workers of the Academy actively participate in the replenishment of the fund of educational and methodical literature of the library.

Academy staff has ample opportunities for the publication of the necessary editions of educational materials through the information and technical department. Due to this opportunity, many disciplines in the specialty Medical care are provided with teaching aids written by the relevant teachers. Therefore, when conducting studies and organizing independent work of students, along with the recommended literature centrally procured to provide disciplines, textbooks and teaching materials, laboratory workshops, methodological developments, etc. are developed and published at the university.

### 5.3 Material and technical support of the implementation of the MPEP.

The Academy has a material and technical base that provides for all types of disciplinary and interdisciplinary training, laboratory, practical and research work of students, provided by the curriculum and in accordance with applicable sanitary and fire regulations and norms.

The material and technical base of the Academy complies with the list required for the implementation of the Department of Professional Education and Training in the training of specialists and includes

audience for 200, 150, 80 and 40 people;

training classes for 20 people;

laboratories in physics and mathematics, chemistry, biology, biological chemistry, microbiology, virology and immunology, pathological anatomy, pathological physiology, pharmacology, physiology, anatomical hall, anatomical museum, a corpse;



vivarium; specially equipped classrooms and audiences for the study of humanitarian and socio-economic disciplines, hygiene, public health and public health:

sports halls, sports grounds;

cabinets equipped to receive and show patients;

medical offices equipped with the necessary equipment; cabinets for work with children and adolescents receiving preventive, diagnostic, therapeutic (therapeutic and surgical profile) and rehabilitation assistance.

The Academy has a significant amount of the most diverse modern equipment (computers, office equipment, technical training tools, medical imitators and phantoms, medical tools and consumables, medical, physical and chemical devices, reagents and chemical utensils, anatomical and biological collections, microscopes and micro preparations etc.).

## **6. Characteristics of the environment of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation, ensuring the development of general cultural (social and personal) competencies of graduates.**

The main goal of educational work in the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation is to create favorable conditions for the personal and professional formation of competitive university graduates combining deep professional knowledge and skills, high moral and patriotic qualities of future doctors with a legal and communicative culture, capable of creative self-expression and active citizenship.

The main areas of educational work at the Academy are professional labor, civil law, cultural and moral, valeological.

Under the educational environment in the academy is understood as a combination of internal and external conditions, resources, providing a high quality effect of higher professional (medical) education.

The educational environment of the medical academy represents the integrity of two structures: the innovation infrastructure necessary for the formation of a personality with innovative - creative thinking, a professionally competent and competitive specialist, and a set of innovative conditions for educating students related to their inclusion in various educational practices that meet the dynamics of social development and needs of successful integration of man into society.

The faculty, the departments of the Academy carry out educational work with students in accordance with the recommendations of federal, regional and university documents. The faculty

is actively developing a network of project groups, various student associations - student and teacher communities (educational, scientific, public, industrial, club, etc.);

The information and communication environment available at the Academy makes it possible to realize the educational function of the main professional educational programs, the implementation of programs and projects for working with young people as stipulated by the state youth policy of the Russian Federation. Interfaculty partnerships in the implementation of educational activities with students, coordination activities of the structural divisions of the Academy in matters of educational activities with students were organized.

The Academy has developed and implements programs and projects of educational activities aimed at the implementation of professional and personal culture of a specialist.

The Academy implements educational programs: for the prevention of crime, for the prevention of drug and alcohol addiction and smoking, for the prevention of HIV infections, adaptation of first-year students, psychological adaptation of younger students, for the formation of a healthy lifestyle and others.

The system of student government is represented by public organizations and associations: the student council of the academy (faculties), the student sector of the trade union committee; student councils hostels; volunteer student groups; creative student groups (groups); sports student associations that create the conditions for successful socialization of students, the formation of an active, self-governing student society in which the leadership qualities of students can be successfully realized, their active citizenship and a positive outlook are shaped.

The educational environment of the North Ossetian State Medical Academy consists of activities that focus on:

- formation of personal qualities necessary for effective professional activity;
- education of moral qualities, the development of orientation to universal values;
- inculcation of skills and abilities of team management in various forms of student self-government;
- preservation and enhancement of the traditions of the academy, the formation of a sense of academic solidarity and patriotic consciousness;
- strengthening and improving the physical condition, the desire for a healthy lifestyle.

The volunteer movement is very popular among students. Every year, students of the Academy initiate and take part in volunteer, voluntary actions: charity events and concerts in orphanages, boarding schools, orphanages for children and teenagers; educational activities aimed at promoting a healthy lifestyle among students, schoolchildren and children; civil patriotic actions; passage of work practices, duty in clinics. This contributes not only to the acquisition of

professional skills, but also strengthens the sense of social responsibility and mercy among medical students, and provides invaluable mentoring experience.

Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation creates and maintains all the conditions for a successful dialogue between students of different countries and nations, between representatives of various religious denominations. Foreign students actively join all extracurricular activities; become part of the student community. In this way, they learn much better not only the country in which they receive education, but also the culture of the region, and this process has a positive effect on both foreign and Russian students: internationalism, tolerance, and recognition of the values of other cultures are brought up in close cooperation and community. Cultural, mass and sporting events aimed at studying, understanding and respecting the traditions and cultures of various nationalities and religious denominations have become traditional at the university.

## **7. Regulatory and methodological support of educational technologies and a system for assessing the quality of students in the MPEP.**

Based on the requirements of the Federal State Educational Standard of Higher Education, the following have been developed:

- the competency matrix, the components of the main professional education program and evaluation tools (attached);
- methodical recommendations for teachers on the development of a system of assessment tools and technologies for the ongoing monitoring of progress in the disciplines of the MPEP;
- guidelines for teachers on the development of a system of evaluation tools and technologies for conducting intermediate certification for disciplines in the form of tests, exams, term papers / projects, etc. and practitioners.

### **1. Funds of appraisal funds for the ongoing monitoring of progress and interim certification.**

In accordance with the requirements of the Federal State Educational Standards of Higher Education, to certify students for compliance of their personal achievements with the step-by-step requirements of the corresponding MPEP, funds of evaluation tools have been created to conduct ongoing performance monitoring and intermediate certification (test materials). The CIMs include: control questions, standard tasks, situational tasks for:

- practical classes
- laboratory work
- examinations
- colloquiums,
- modular occupations,

- offsets
- examinations; tests and computer testing programs;
- approximate subject of term papers / projects, essays, etc.,
- other forms of control, allowing to assess the degree of formation of students' competencies.

The implementation of the competence-based approach provides for the extensive use in the educational process of active and interactive forms of conducting classes (interactive seminars, discussions, computer simulations, business and role-playing games, analysis of specific situations, psychological and other trainings, group discussions, results of the work of student research groups, university and intercollegiate teleconferences) in conjunction with extracurricular work in order to form and develop the skills of students. The programs of the basic disciplines of the professional cycle include tasks that contribute to the development of professional competencies for which the graduate is preparing, in a volume that allows the formation of appropriate general cultural, general professional and professional competencies.

The Academy has developed standards for monitoring the quality of education.

Control over training and its quality management is one of the important tasks of the internal system for assessing the quality of medical education. By definition, control is the process of identifying the relationship between the learning outcomes achieved and the planned learning objectives. Properly organized monitoring of students' learning activities allows the teacher not only to assess the knowledge and skills they acquire, but also to provide the necessary assistance in time and achieve the set learning goals. In addition, well-established control contributes to the assessment by the teacher of the results of their work.

To assess the quality of training of students of the Federal State Educational Standards of Higher Education, three types of attestation are provided: current monitoring of progress, intermediate and state final attestation.

Ongoing performance monitoring is a regular test of learning material throughout the semester. It can be carried out in oral or written form in the form of surveys, essays, homework checks and independent work of students, conducting various works, testing. In the course of the current monitoring of progress, the teacher establishes the real level of mastery of the curriculum by students at a given point in time in the form of identifying areas of ignorance, inability, misunderstanding. One of the main advantages of ongoing performance monitoring is its systematic character, manifested in monitoring the quality of training. The limitation of current performance monitoring is the inability to verify the competence as a whole, since it is intended for fragmentary and local checks.

Intermediate certification is conducted at the end of the semester and completes the study of the discipline or any part of it in the form of a test or examination, which can be conducted in oral or

written form. The purpose of intermediate certification is to evaluate larger sets of knowledge and skills, certain professional competencies and to draw administrative conclusions from this in the form of orders on the appointment of a scholarship, transfer to the next course, etc.

In Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation, a point-rating system for assessing students' knowledge is successfully functioning, which is aimed at stimulating the students' daily systematic work; increasing the motivation of students to master the basic professional educational programs of higher education based on a higher differentiation of the assessment of the results of their academic work; definition of a real place, which is occupied by a student among fellow students in accordance with their academic success; reducing the role of random factors during exams and / or tests; creation of objective criteria for the selection of candidates for continuing education in the framework of postgraduate education. The point-rating system for assessing student performance is the unity of the requirements for student work; the regularity and objectivity of the assessment of student performance; openness and publicity of student performance results for all participants in the educational process; strict observance of labor and academic disciplines by all participants in the educational process: students, teachers, educational support and administrative and managerial personnel.

The state final attestation is designed to check the results of training in the form of general cultural, professional and professional competences acquired by a graduate in general by the state examination commission, which includes internal and external experts (including employers).

Each type of control has its own purpose, content and result, as well as the frequency of conduct. Between the current, intermediate and state final certification there are linear relationships that allow to ensure the consistency and consistency of the quality control of training.

Each type of control is carried out with the help of certain forms, which may be the same for several types of control (for example, oral and written examinations) and specific. Accordingly, several types of control can be combined in some forms of control (for example, an exam in a discipline can include both oral and written tests).

Forms of control:

- interview;
- colloquium;
- modular lesson
- test;
- credit;
- Exam (by discipline, module, and GIA);
- laboratory work;

- essay and other creative works;
- report (on practices, research work of students).

In Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation provides a guarantee of the quality of training, including by: developing a strategy to ensure the quality of graduates' training with the involvement of representatives of employers; monitoring, periodic review of educational programs; development of objective procedures for assessing the level of knowledge and skills of students, the competencies of graduates.

All disciplines of the main professional educational program in the specialty 31.05.01 General Medicine are provided with educational-methodical complexes of disciplines that are updated in accordance with modern requirements for practical training of students.

The educational process at the faculty is fully provided with the necessary teaching aids, methodological developments and recommendations made by the departments, for conducting classroom studies and for extracurricular independent work; visual aids (tables, slides, dummies, etc.), educational films, funds for control tasks, situational tasks on all topics covered by the training program, equipment for practicing and fixing practical skills, including in the Center for Practical Training, equipped in accordance with modern requirements and the latest achievements of medical science and practice in health care.

#### 7.2. State final certification of graduates of the Academy.

The state final certification of a graduate of an educational organization of higher education is mandatory and is carried out after mastering the basic professional educational program of higher education in full.

The state final attestation is designed to check the results of training in the form of general cultural, professional and professional competences acquired by a graduate in general by the state examination commission, which includes internal and external experts (including employers).

The state final attestation is carried out by state examination commissions in order to determine the compliance of the results of students' mastering of basic professional educational programs of higher education with the relevant requirements of the federal state educational standard of higher education.

The results of the state final certification are the most important indicator of the quality of graduate training.

Employees of graduating departments annually update the work programs of disciplines, the bank of situational interdisciplinary tasks and test tasks. Student departments are actively working in scientific circles, subject Olympiads are held annually. In addition, on the basis of graduating

departments, permanent groups of students have been created to prepare for participation in Internet Olympiads, visiting scientific and practical conferences and forums.

The training bases of the graduating departments allow providing visibility of the training, to acquaint students with modern methods of diagnosis and treatment of various diseases. Students are actively involved in the development of modern diagnostic methods of laboratory and instrumental examination of patients. Much attention is paid to teaching students the principles of emergency care in various pathological conditions.

New means of technical training are applied: sets of thematic slides, films, audio materials, multimedia lectures, and the method of mental maps, computer and test control of students' knowledge.

On the basis of the Academy Testing Center, rehearsal testing is regularly conducted using a bank of test items presented by all departments for graduates in the specialty "General Medicine".

For students with disabilities, the state final certification is carried out by the organization, taking into account the peculiarities of their psychophysical development, their individual capabilities and health status.

The program of state final certification of graduates in the specialty 31.05.01 General Medicine is attached.

## **8. Other regulatory and methodological documents and materials that ensure the quality of training of students.**

### **8.1 Description of the university quality system.**

Since 2010, the Academy has developed, implemented and certified a quality management system for educational services of higher professional education in accordance with the requirements of GOST ISO 9001: 2011 and the relevant Federal State Educational Standards for Higher Education.

The internal system for assessing the quality of education at the academy is aimed at solving the following tasks:

- identification of factors affecting the quality of education;
- providing all participants in the educational process and the public with reliable information about the quality of education in the academy;
- information support of the process of making sound management decisions on the problems of improving the quality of education;
- taking measures to improve the efficiency and quality of the educational activities of the Academy;

- improvement of the educational activity management system based on the internal system of education quality assessment.

The object of verification is the fulfillment of the requirements of the current MPEP for the implementation of a separate basic professional educational program of higher education and the quality of management activities: maintaining the documentation stipulated by local regulatory legal acts, executing orders, orders and instructions of the management, academic performance in the department's disciplines, and in general in the educational program, organization and quality of practical training, planning, execution and accounting of educational and methodical work.

In the course of an internal audit, the commission examines the documents of the Academy's structural unit. The commission includes representatives of the relevant departments in the audited areas of the structural unit.

The results of internal audits are reviewed at meetings of departments, the Council for Quality, the Central Coordination Teaching and Methodological Council and the Academic Council of the Academy.

8.2 Description of the mechanism of application of elements of the university's quality system in the implementation of the main professional educational program of higher education, including the external quality assessment system.

During the implementation of the MPEP according to the QMS process interaction scheme, process maps and documented standards / procedures are used.

Monitoring the implementation of the main educational program includes:

- 1) self-examination procedure;
- 2) internal audit procedure of the QMS;
- 3) interviews with interested parties to identify requirements for learning outcomes;
- 4) analysis of the results of input control (testing);
- 5) feedback from employers;
- 6) the results of all practices.

8.3. The list of university documents regulating the educational process on the MPEP: the Charter of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation; Federal Law of the Russian Federation "On Education in the Russian Federation" of December 29, 2012 N 273-FZ;



Federal State Educational Standard of Higher Education in the direction of training (specialty)

31.05.01 General Medicine, approved by order of the Ministry of Education and Science of the Russian Federation of February 9, 2016 No. 95.

Order of the Ministry of Education and Science of the Russian Federation of 05.04.2017 No. 301 "On approval of the procedure for organizing and conducting educational activities in higher education educational programs - undergraduate programs, specialty programs, graduate programs";

The Order of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation "On approval of the Regulation on the organization of the educational process in the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation " dated 02.06.2017 No. 210 / o;

The order of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation "On the approval of the Regulation on the ongoing monitoring of progress and interim assessment of students at the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation " of 09.02.2018 № 40 / o;

The order of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation (On approval of the Regulation on the independent work of students of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation) of 04.04.2011, No. 424;

The order of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation "On Approval of the Regulation on the point-rating system for assessing the academic performance of students of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation " dated February 09, 2018 No. 40 / o

Order of the Ministry of Education and Science of the Russian Federation of June 29, 2015 No. 636 on the "Procedure for conducting state final attestation in educational programs of higher education - undergraduate programs, specialty programs and graduate programs";

Order No. 250 / d of 06.27.2017 of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian

Federation on the approval of the procedure for conducting state final certification for educational programs of higher education - specialty programs of the Ministry of Health of Russia;  
Order of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation "On approval of the Regulations on the practice of students of the Federal State Budgetary Educational Institution of Higher Education "North-Ossetian State Medical Academy" of the Ministry of Healthcare of the Russian Federation " dated April 13, 2016 No. 121 / o;  
educational and methodical complexes of disciplines;  
educational plans; Timetable of classes;  
information about the pedagogical load of teachers of departments;  
GIA program in the specialty 31.05.01 General Medicine;  
programs for educational and industrial practice.