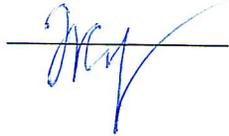
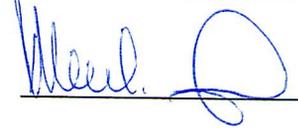


Federal State Budgetary Educational Institution of Education
Volgograd State Medical University of the Ministry of Health of the
Russian Federation

Translated by:
Head of Modern Languages Department
of the VolgSMU
DSc (Linguistics)
V.V. Zhura



Approved by
Rector V.V. Shkarin



17.07.2020

HIGHER EDUCATION PROGRAMME
OF THE GENERAL MEDICINE COURSE

Specialty
31.05.01 General Medicine
Specialist programme

Qualification General Practitioner

Duration of study – 6 years

Mode of study
Full time

Volgograd 2020

1. General description of the higher education programme of the General Medicine course for the Specialty 31.05.01 General Medicine (Specialist programme).

1.1. General provisions.

The higher education programme (HEP) of the General Medicine course implemented by the Federal State Budgetary Educational Institution of Higher Education Volgograd State Medical University (VolgSMU) of the Ministry of Health of the Russian Federation for specialty 31.05.01 General Medicine involves a number of documents developed and approved by the VolgSMU taking into account labour market needs and the Federal State Higher Education Standard for specialty 31.05.01 General Medicine (Specialist programme).

The HEP elaborates the main features of education (goals, expected outcomes, content), organizational and pedagogical facilities, forms of assessment of quality in graduate education for specialty 31.05.01 General Medicine presented as the basic curriculum, syllabi of the studied courses, on-the-job training programmes, students' research programmes, educational materials applied in teaching.

1.2. Regulatory documents underlying the developed higher education programme of the General Medicine course for the Specialty 31.05.01 General Medicine (Specialist programme).

The legislative and regulatory framework of the developed HEP covers: Federal Law "On Education in the Russian Federation" No. 273-FZ of December 29, 2012;

Decree 'On the Approval of the Order of Organizing and Providing Educational Activities Based on Higher Education Programmes – Bachelor Programmes, Specialist Programmes, Master Programmes' No. 1367 of December 19, 2013;

Decree of the Ministry of Education and Science of the Russian Federation No.1061 of September 12, 2013 “On the Approval of the List of Specialties of Higher Education”;

Decree of the Ministry of Education and Science of the Russian Federation No.636 of June 29, 2015 “On the Approval of the Order of State Summative Assessment Based on Higher Education Programmes – Bachelor Programmes, Specialist Programmes, Master Programmes” (registration No.38132 of July 22, 2015 in the Ministry of Justice);

Federal State Higher Education Standard for the Specialty 31.05.01 General Medicine approved by the decree of the Ministry of Education and Science of the Russian Federation No.95 of February 9, 2016 (registration No.41276 of March 1, 2016);

Regulatory and methodological documents of the Ministry of Education and Science of the Russian Federation;

Regulatory and methodological documents of the Ministry of Health of the Russian Federation;

Charter of the Federal State Budgetary Educational Institution of Higher Education Volgograd State Medical University VolgSMU of the Ministry of Health of the Russian Federation;

Local regulatory acts of the Federal State Budgetary Educational Institution of Higher Education VolgSMU of the Ministry of Health of the Russian Federation.

1.3. Goal (mission) of the higher education programme ‘General Medicine’ for the Specialty 31.05.01 General Medicine (Specialist programme).

As for personal development, the education programme for the specialty 31.05.01 General Medicine aims at shaping in trainees such qualities as civic consciousness, public spirit and patriotism feelings, commitment, determination, communication awareness, tolerance, etc.

In the area of education the general goal of the specialty study programme is to provide higher professional specialized education, which equips graduates in the field of General Medicine with professional competencies in such fields as providing high

quality medical care (prevention, diagnostics, treatment and rehabilitation), psychology and education, organization, management and in research activities.

Graduates in the field of General Medicine must meet the requirements established by the state and society, which enable them to be prepared to successfully perform jobs in the sphere of professional activities, to be capable of landing jobs in related areas and working efficiently in the new economic environment and to be competitive at the labour market.

1.4. Duration of the higher education programme ‘General Medicine’ for the Specialty 31.05.01 General Medicine (Specialist programme).

The duration of study based on the Specialist programme (internal/full time mode) including holidays provided after the State Final Examinations regardless of the applied educational technologies is 6 years.

The workload of the Specialist programme is 360 credits regardless of the mode of study, applied educational technologies, networking technologies, individually adjusted curriculum, including higher education programmes run in a accelerated timeframe.

The workload of the Specialist programme (internal/full time mode) implemented during one academic year is 60 credits (one credit equals 36 hours of study). When a student is trained according to the individually adjusted curriculum,

the duration of study cannot exceed the period fixed for the course of study regardless of the mode of study. In case of handicapped students trained on the basis of the individually adjusted curriculum the length of study can be increased at their discretion by no longer than one year as compared to the duration of study for the corresponding mode. The workload of the Specialist programme based on the individually adjusted curriculum cannot exceed 75 credits.

The workload of the Specialist programme includes all types of classroom activities, students’ research activities, on-the-job training and the time spent on assessing and grading students’ performance.

1.5. Requirements to applicants’ educational background

Individuals can apply for the Specialist programmes after successfully completing either the secondary school (having evidence of a secondary school certificate) or the vocational school (having evidence of the certificate of secondary vocational training). The order of admission to the higher education programme ‘General Medicine’ for the Specialty 31.05.01 General Medicine (Specialist programme) is approved based on the Decree of the Ministry of Education and Science of the Russian Federation No.4420 of October 21, 2009 ‘On the Order of Admission to Higher Education Programmes’.

2. Description of professional activities of the graduate of the higher education programme ‘General Medicine’ for the Specialty 31.05.01 General Medicine (Specialist programme).

2.1. Scope of professional activities

The scope of the professional activities of the graduates, who have completed the Specialist programme, includes preserving and improving health of the population by providing medical care according to the standards in healthcare.

2.2. Key objects of professional activities of the graduates

- physical persons (henceforth – patients);
- population;
- a number of techniques, ways and tools aimed at providing health promotion of the population.

2.3. Types of professional activities of the graduate

- therapeutic activities
- organizational and managerial activities
- research activities

Upon completing the higher education programme “General Medicine” for the Specialty 31.05.01 General Medicine (Specialist programme) graduates are awarded with the General Practitioner degree.

2.4. Goals of professional activities of the graduates

Graduates in the field of General Medicine for the Specialty 31.05.01 General Medicine (Specialist programme) are able to perform a number of activities:

- **Therapeutic activities:**

- Preserving health of the population by rendering disease prevention and control measures;
- Performing routine physical examinations, annual medical checkups and follow-up care;
- Collection and statistical analysis of data on health of the population across different age and gender groups;
- Diagnosing diseases and pathological conditions of patients;
- Diagnosing emergency cases;
- Diagnosing pregnancy;
- Performing temporary disability examination and participating in other types of medical evaluation;
- Rendering primary medical care in an out-patient department or other primary

medical care facilities;

- Rendering primary medical care in emergency cases as well as in chronic disease exacerbations which do not pose a threat to health or bodily function or require emergency medical care;
- Participation in rendering emergency medical care;
- Rendering medical care in disastrous/emergency situations and providing medical evacuation support;
- Participation in the organization of medical rehabilitation and health resort treatment;
- Developing health awareness among patients and their families which aim at preserving health of the population;
- Instructing patients on good hygiene practices aimed at preventing diseases and preserving health;
- **Organizational and managerial activities:**
 - Applying the basic principles of organizing medical care in healthcare facilities;
 - Creating safe and high-quality health care environment for patients and medical staff in healthcare settings;
 - Keeping medical records;
 - Organization of medical evaluation;
 - Organization of health care quality assurance;
 - Compliance with the requirements for information security;
- **Research activities:**
 - Analyzing scientific literature and official statistical data, conducting statistical surveys, and communicating the results in public;
 - Participation in handling scientific and applied medical tasks dealing with diagnosis, treatment, medical rehabilitation and disease prevention.

3. Expected outcomes of the HEP

3.1. A competency-based model of graduates

A competency-based model of graduates in the field of General Medicine for the Specialty 31.05.01 General Medicine (Specialist programme) takes into account the emerging needs of employers for skilled labour. The skills and characteristics that employers look for are determined based on the analysis of questionnaires completed by health care employers. Forecasting skilled labour needs and employment outlooks for graduates in the field of General Medicine (taking into account medical specialization) is made based on the analysis of questionnaires completed by graduates.

3.2. Competences of graduates in the field of General Medicine developed upon completion of the Specialist programme

By the end of the HEP for the Specialty 31.05.01 General Medicine graduates must develop the following universal cultural, general professional and professional competencies:

- Graduates in General Medicine must develop a number of universal cultural competencies (UCC):
 - Ability to abstract thinking, analysis and synthesis (UCC-1);
 - Ability to apply philosophical knowledge to build a philosophical worldview (UCC-2);
 - Ability to analyze the basic stages and patterns of historical development of the society to construct civic consciousness (UCC-3);
 - Ability to handle emergency situations, taking social and ethical responsibility for the decisions made (UCC-4);
 - Commitment to self-development, self-fulfillment, self-education and maximizing the creative potential (UCC-5);
 - Ability to apply strategies and tools of physical education to handle social and professional tasks (UCC-6);
 - Proficiency in rendering first aid and implementing proper security measures in disastrous/emergency situations (CC-7);

- Willingness for building a collaborative team, and being tolerant addressing social, ethnic, religious and cultural diversity (CC-8).

- Graduates in General Medicine must develop a number of general professional competencies (GPC):

- Proficiency in handling tasks in a professionally appropriate format through applying information and literature resources, using medical and biological terminological systems, information and communication technologies and taking into account the requirements for information security (GPC-1);
- Proficiency for communicating in oral and written formats in Russian and in a foreign language to handle professional tasks (GPC-2);
- Ability to apply the basic knowledge of economics and law in handling professional tasks (GPC-3);
- Ability to implement ethical and deontological principles in handling professional tasks (GPC-4);
- Ability to analyze the results of the work to effectively avoid future errors (GPC-5);
- Proficiency in keeping medical records (GPC-6);
- Proficiency in applying the basic physical, chemical, mathematical and other scientific concepts and techniques to handle professional tasks (GPC-7);
- Proficiency in using medicines and other substances or their combinations to handle professional tasks (GPC-8);
- Ability to evaluate morphofunctional, physiological as well as pathological conditions of patients handling professional tasks (GPC-9);
- Proficiency in organizing patient care and providing primary premedical care (GPC-10);
- Proficiency in applying medical devices included in the list of authorized medical devices in clinical practice (GPC-11).

- Graduates in General Medicine must develop a number of professional competencies (PC):

Therapeutic activities:

- Ability to render a variety of measures aimed at preserving health of the population including promoting a healthy lifestyle, preventing the occurrence or spread of diseases, providing timely diagnosis and identifying the causes of a disease as well as eliminating health hazards to the population (PC-1);
- Proficiency in performing routine physical examinations, annual medical check-ups and follow-up monitoring (PC-2);
- Proficiency in rendering anti-epidemic measures aimed at health security against infectious disease outbreaks, radiation exposure and disasters/emergencies (PC-3);
- Proficiency in applying social and hygienic techniques to collect and analyze medical data (PC-4);
- Proficiency in keeping records of and analyzing patients' complaints, histories, medical evaluation results, laboratory, instrumental and post-mortem examination results to identify a disease and/or the cause of a disease (PC-5);

- Ability to identify pathological conditions, signs and symptoms, syndromes and nosological entities based on the International Statistical Classification of Diseases and Related Health Problems (ICD) (PC-6);
- Proficiency in performing temporary disability examination and participating in medical and social evaluation and verifying biological death (PC-7);
- Ability to choose appropriate techniques for managing patients with a variety of nosological entities (PC-8);
- Proficiency in managing and treating patients with various nosological entities in an out-patient department or other primary medical care facilities (PC-9);
- Proficiency in rendering primary medical care in emergency cases as well as in chronic disease exacerbations which do not pose a threat to health or bodily function or require emergency medical care (PC-10);
- Proficiency in rendering emergency medical care (PC-11);
- Proficiency in managing physiological pregnancy, labour and delivery (PC-12);
- Proficiency in rendering medical care in disastrous/emergency situations and providing medical evacuation support (PC-13);
- Proficiency in assessing the relevance of administration of natural therapeutic factors, pharmacological, non-pharmacological and other types of therapy of patients requiring medical rehabilitation and health resort treatment (PC-14);
- Proficiency in instructing patients and their families on good hygiene practices, developing skills of self-monitoring the basic vital signs, which promote health preservation and prevention of diseases (PC-15);
- Proficiency in educating the population on how to eliminate exposure to

risk factors and follow a healthy lifestyle (PC-16);

Organizational and managerial activities:

- Ability to apply the basic principles of organizing and management in the sphere of health protection, in healthcare institutions and their structural units (PC-17);
- Proficiency in assessing the quality of healthcare services by using the basic medical statistics indices (PC-18);
- Ability to organize healthcare services in emergencies including medical evacuation cases (PC-19);

Research activities:

- Proficiency in analyzing and communicating evidence-based medical information in public (PC-20);
- Ability to participate in conducting research (PC-21);
- Proficiency in introducing new tools and techniques aimed at preserving health of the population (PC-22);

3.4. Correlation between professional goals outlined in the Federal State Higher Education Standard for the Specialty 31.05.01 General Medicine (Specialist programme) and labour functions outlined in the ‘General Practitioner’ occupational standard

Goals of professional activities of graduates of the Federal State Higher Education Standard for the Specialty 31.05.01 General Medicine	Labour functions (occupational standard)	Conclusions, Developed professional competencies
	Generalized labour functions: Primary medical care provision to the adult population in an out-patient department, not involving continuous follow-up monitoring or treatment and including in-home care when a physician	
Therapeutic activities:		
Prevention of the occurrence of	Implementation and evaluation of	In conformity

diseases among the population through disease control and prevention	the effectiveness of measures aimed at promoting a healthy lifestyle and health education (A/05.7)	with 1, 3, 15
Performing routine physical examinations, annual medical check-ups and follow-up monitoring	Performing physical examination of a patient to make a diagnosis (A/02.7)	In conformity with 1, 2, 5, 6
Collection and statistical analysis of data on health of the population across different age and gender groups	Keeping medical records and supervising nursing staff in carrying out their clinical duties (A/06.7)	In conformity with 1, 2, 4, 6
Diagnosis of diseases and pathological conditions	Performing physical examination of a patient to make a medical diagnosis (A/02.7)	In conformity with 2, 5, 6
Diagnosis of emergencies	Performing physical examination of a patient to make a medical diagnosis (A/02.7)	In conformity with 5, 6
Diagnosis of emergencies	Rendering medical care to a patient in emergencies/extreme situations (A/01.7)	In conformity with 5, 6
Diagnosis of pregnancy	Performing physical examination of a patient to make a medical diagnosis (A/02.7)	In conformity with 5, 6
Performing temporary disability examination and participating in other types of medical evaluation	Evaluation of the effectiveness of medical rehabilitation of a patient including individually adjusted rehabilitation or habilitation programmes for handicapped persons as well as assessing the employment capacity of an individual (A/04.7)	In conformity with 2, 7
Rendering primary medical care in an out-patient department or other primary medical care facilities	Administration of treatment and evaluation of its safety and effectiveness (A/03.7)	In conformity with 8, 9
Rendering primary medical care in emergency cases as well as in chronic disease exacerbations which do not pose a threat to health or bodily function or require emergency medical care	Administration of treatment and evaluation of its safety and effectiveness (A/03.7)	In conformity with 3, 8, 10
Rendering emergency medical	Rendering medical care to a	In conformity

care	patient in emergencies/extreme situations (A/01.7)	with 3, 8, 11
Rendering medical care in disastrous/emergency situations and providing medical evacuation support	Rendering medical care to a patient in emergencies/extreme situations (A/01.7)	In conformity with 3, 8, 11, 13, 19
Provision of medical rehabilitation and health resort treatment	Administration of treatment and evaluation of its safety and effectiveness (A/03.7)	In conformity with 1, 8, 9, 14
Provision of medical rehabilitation and health resort treatment	Evaluation of the effectiveness of medical rehabilitation of a patient including individually adjusted rehabilitation or habilitation programmes for handicapped persons as well as assessing the employment capacity of an individual (A/04.7)	In conformity with 1, 8, 9, 14
Provision of education to patients and their families to promote a healthy lifestyle	Evaluation of the effectiveness of measures aimed at promoting a healthy lifestyle and health education (A/05.7)	In conformity with 1, 15, 16
Instruction of patients on good hygiene practices aimed at preventing diseases and preserving health	Evaluation of the effectiveness of measures aimed at promoting a healthy lifestyle and health education (A/05.7)	In conformity with 1, 15, 16
Organizational and managerial activities:		
Utilization of the main principles of organizing high quality medical care in healthcare facilities	Keeping medical records and supervising nursing staff in carrying out their clinical duties (A/06.7)	In conformity with 17

Creation of safe and high-quality health care environment for patients and medical staff in healthcare settings	Evaluation of the effectiveness of medical rehabilitation of a patient including individually adjusted rehabilitation or habilitation programmes for handicapped persons as well as assessing the employment capacity of an individual (A/04.7)	In conformity with 17
Creation of safe and high-quality health care environment for patients and medical staff in healthcare settings	Keeping medical records and supervising nursing staff in carrying out their clinical duties (A/06.7)	In conformity with 17, 18
Keeping medical records in healthcare settings	Keeping medical records and supervising nursing staff in carrying out their clinical duties (A/06.7)	In conformity with 4, 6, 7
Performing medical evaluation	Evaluation of the effectiveness of medical rehabilitation of a patient including individually adjusted rehabilitation or habilitation programmes for handicapped persons as well as assessing the employment capacity of an individual (A/04.7)	In conformity with 7
Evaluation of the quality of healthcare services provided to patients	Administering treatment and assessing its safety and effectiveness (A/03.7)	In conformity with 7, 18
Compliance with the requirements for information security	Keeping medical records and supervising nursing staff in carrying out their clinical duties (A/06.7)	In conformity with 6, 7, 8, 9
Research activities:		
Analysis of scientific literature and official statistical data, conducting statistical surveys, and communicating statistical data in public	Keeping medical records and supervising nursing staff in carrying out their clinical duties (A/06.7)	In conformity with 6, 16, 20, 21
Addressing research and applied issues in the field of healthcare and medical sciences which include diagnosis, treatment, rehabilitation and prevention of diseases	Performing physical examination of a patient to make a medical diagnosis (A/02.7)	In conformity with 1, 20, 21, 22

4. Documents regulating the content and organization of academic process based

Addressing research and applied issues in the field of healthcare and medical sciences which include diagnosis, treatment, rehabilitation and prevention of diseases	Evaluation of the effectiveness of medical rehabilitation of a patient including individually adjusted rehabilitation or habilitation programmes for handicapped persons as well as assessing the employment capacity of an individual (A/04.7)	In conformity with 1, 20, 21, 22
Addressing research and applied issues in the field of healthcare and medical sciences which include diagnosis, treatment, rehabilitation and prevention of diseases	Evaluation of the effectiveness of measures aimed at promoting a healthy lifestyle and health education (A/05.7)	In conformity with 1, 20, 21, 22

on HEP of the General Medicine course for the Specialty 31.05.01 General Medicine (Specialist programme).

4.1. HEP content

Section 1 Compulsory and elective disciplines (modules).

Section 2 On-the-job training and students' research activities which fully belong to the compulsory part.

Section 3 State Final Examinations make up the compulsory part on completion of which graduates are awarded a General Practitioner qualification.

Framework for the HEP covers the following parts:

Framework for the HEP(Specialist programme)		Workload of the HEP (the Federal State Higher Education Standard)	Workload of the HEP (VolSMU)
Section 1	Disciplines (modules)	324-330	324
	Compulsory part	291-294	288
	Elective part	30-39	36

Domain 2	On-the-job training including students' research activities	27-33	33
	Compulsory part	7-33	33
Domain 3	State Final Examinations	3	3
Workload of the HEP		360	360

4.2. Academic schedule (VolgSMU website, General Medicine faculty, academic schedule, Specialty 31.05.01 General Medicine).

4.3. Curriculum (VolgSMU website, General Medicine faculty, curriculum, Specialty 31.05.01 General Medicine).

4.4. Syllabi of the courses and subjects (VolgSMU website, General Medicine faculty, syllabi of the courses covered by the Specialty 31.05.01 General Medicine).

4.4.1. In all respects, disciplines (modules) in the curriculum should meet the requirements of the curriculum framework which is elaborated specifically for each discipline (module).

4.4.2. The competency-based syllabi for the Specialty 31.05.01 General Medicine incorporate active learning strategies and interactive learning tools as well as self-study techniques aimed at developing professional skills in students. The share of interactive classroom activities amounts to a maximum 5% of all classroom activities.

4.4.3. The share of lectures amounts to a maximum 30% of all classroom activities.

4.4.4. The curriculum framework involves bringing Russian and foreign healthcare leaders and representatives of the state and public organizations into the University as well as delivering workshops by experts in a health or safety-related field.

4.5. Syllabi of practical and on-the-job training for the Specialty 31.05.01 General Medicine (Specialist programme) (VolgSMU website, General Medicine faculty,

on-the-job training programmes covered by the Specialty 31.05.01 General Medicine).

4.5. Face-to-face learning

Face-to-face learning is regulated by the Statute on Face-to-Face Learning of April 10, 2014 approved by the Academic Board of the VolgSMU. Face-to-face learning is defined as the time spent in class and involving interaction of students and teachers. Face-to-face learning includes lectures, seminars, course projects, group and individual tutorials, and students' progress assessment.

Face-to-face learning forms are outlined in the curriculum and the syllabi of the courses covered by the Specialty 31.05.01 General Medicine.

5. Rights and responsibilities of students in the field of General Medicine for the Specialty 31.05.01 General Medicine (Specialist programme)

5.1. When elaborating the HEP, the University makes students familiar with the information on their rights and responsibilities and clarifies that the courses that students choose to study are compulsory and they must pass them to gain the award of the Specialist in General Medicine.

5.2. The University enables the students to participate in developing their study programme including the elaboration of individual study programmes. When elaborating an individual study programme, students are entitled to be consulted on the choice of courses covered by the specialty and their relevance for further specialization.

5.3. Along with the rights and responsibilities outlined in regulatory and normative acts, students are entitled to choose courses (disciplines) to study and the workload cannot exceed the time fixed for the study of elective courses.

5.4. When a student is transferred from one university to another, students have the right to transfer credits earned in previously studied courses and certified by valid documents on the basis of their progress assessment;

5.5. Students are obliged to perform all tasks outlined in the HEP in due time.

6. Resource allocation for the higher education programme of the General Medicine course for the Specialty 31.05.01 General Medicine

The implementation of the HEP for the Specialty 31.05.01 General Medicine is secured by human resources, academic documentation and material resources.

6.1. Human resources

The implementation of the HEP is ensured by the administrative and academic staff of the VolgSMU as well as by individuals employed under the terms of a civil contract.

The implementation of the HEP of the General Medicine course for the Specialty 31.05.01 General Medicine (Specialist programme) is secured by the academic staff certified to teach the appropriate courses as well as those having an academic title or work experience in the appropriate professional sphere and being continuously involved in academic, methodical and research activities.

The share of academic staff having academic degrees and academic statuses in relation to the total amount of teachers involved in the academic process is not less than 65% of which not less than 10% are D.Sc., full professors. The share of academic staff having academic degrees and academic statuses involved in teaching professional courses amounts to a minimum of 70% of which a minimum of 11% have a D.Sc. degree and are full professors. The share of practicing physicians involved in teaching professional courses amounts to a minimum of 5%.

6.2. Teaching documentation, library and information resources

The students are provided with the appropriate modern academic, methodical and scientific literature; they have an access to academic journals. The library is stocked with printed and electronic versions of books and journals. Library and information resources for the General Medicine course for the Specialty 31.05.01

General Medicine (Specialist programme) include 37342 printed and 675 electronic editions which are listed in the syllabi of the courses and subjects and syllabi of practical and on-the-job training. The printed book and journal collection includes editions published by GOETAR-Media, Meditsinskoe informatsionnoe agentstvo,

Piter, Akademia, Knorus, Yurait publishing, etc. Each student gain free access to a 'Student's consultant' electronic library system (ELS), a 'Physician's consultant' ELS, a 'Lan' ELS, eLibrary ELS (periodicals), VolgSMU ELS, which include more than 22000 academic, educational, scientific books and journals. Reference lists and electronic source references in the syllabi of the courses and subjects covered by the Specialty 31.05.01 General Medicine are updated as required.

The electronic information educational portal of the VolgSMU provides:

- An access to the curricula and syllabi of the courses and subjects as well as syllabi of practical and on-the-job training, electronic library systems and electronic educational resources listed in the curricula;
- Documenting teaching matters, the results of interim assessment of students' academic performance as well as the results of mastering the HEP (students' individual rating);
- Documentation and tracking of delivery of all types of classes and procedures for student assessment using electronic learning and online learning tools;
- Interaction between students and teachers including synchronous and/or asynchronous online education through the Internet.

The operation of the electronic information educational portal of the VolgSMU is secured by well-qualified IT specialists using the appropriate information and communication technologies.

The electronic information educational portal of the VolgSMU operates in accordance with the applicable law in the Russian Federation.

6.3. Material and technical resources

6.3.1. The university has special facilities at its disposal required for training students: lecture halls, classrooms for seminars, laboratory and practical classes, group and individual tutorials, formative and summative assessment, venues for students' self study and rooms for keeping and maintaining academic equipment. Classrooms are equipped with specialized furniture and instructional materials/visual aids applied in teaching large groups of students.

6.3.2. Diverse sets of instructional materials and thematic visual aids which are listed in the syllabi of the courses and subjects and syllabi of practical and on-the-job training are used while delivering lectures.

6.3.3. The compulsory list of material and technical resources covers:

- laboratories for delivering classes in physics, maths, chemistry, biological chemistry, biology, physiology, microbiology, pharmacology, pathological anatomy, pathological physiology;
- anatomical dissection rooms, anatomy museum and a morgue;
- well-equipped classrooms for delivering arts, economics and social sciences, medical informatics and public health and healthcare;
- classrooms fitted with specialized equipment for demonstrating simulated clinical encounters;
- doctors' offices fitted up with the appropriate equipment to counsel adults and adolescents on prevention, diagnosis, treatment (conservative and surgical) and medical rehabilitation.

6.3.4. The classrooms for students' self-study are equipped with computers having access to the Internet and electronic information educational portal.

6.3.5. The university has a required package of licensed software which is listed in the syllabi of the courses and subjects and syllabi of practical and on-the-job training and is subject to regular updates.

6.3.6. The university provides the opportunity for simultaneous individual access to the electronic and library resource system of a minimum of 25% of students.

6.3.7. All students can gain access to up-to-date professional databases and inquiry information systems including cases when electronic learning and online learning tools are applied. The list of compulsory professional databases and inquiry information systems is outlined in the syllabi of the courses and subjects and syllabi of practical and on-the-job training and is subject to regular updates.

6.3.8. Students with disabilities are provided with printed and /or electronic learning materials adapted to meet their special needs.

6.3.9. Students are provided with on-line information exchange services with domestic and overseas universities and organizations. They gain access to up-to-date professional databases, inquiry and retrieval information systems.

6.3.10. Financial resources to the implementation of the HEP of the General Medicine course for the Specialty 31.05.01 General Medicine (Specialist programme) are within the limits of financial support specified by the Ministry of Education and Science of the Russian Federation and are determined on the basis of regular costs spent on education services for this speciality and are adjusted considering the specific character of the study programme.

6.3.11. The amount of financial resources to the implementation of the HEP is proposed by the chancellor and is approved by the Academic Board of the VolgSMU. The budget of the study programme is reviewed and approved by the Academic

Board. In addition to base salary, the academic staff are paid bonuses whose amount is determined by the applicable law.

7. Description of the University environment ensuring the development of universal cultural (social and personal) competencies of graduates

The theoretical and clinical humanitarian-focused departments, the university museum, the widely circulated newspaper 'For Healthcare Providers', the library, dean's offices, students' public organizations (Student Board, student trade union, NOMUS, sports club), class and year monitors of the General Medicine faculty are involved in shaping sociocultural environment and raising the awareness of the VolgSMU students. Also, they ensure the development of universal cultural, social and personal competencies.

8. Regulatory and procedural support for the system evaluating the quality of mastering the HEP of General Medicine course for the Specialty 31.05.01 General Medicine.

The VolgSMU guarantees the quality of training in the following ways:

- by engaging employer's representatives at the stages of implementation and assessment of how the higher education programme has been mastered;
- by monitoring and regularly reviewing the study programmes;
- by applying the elaborated objective procedures of assessing knowledge and skills of students as well as their competencies;
- by regular professional development courses taken by the academic staff;
- via regular self-assessment using the agreed criteria for evaluating the activities (strategies) and weighing its outcomes against the outcomes of other educational institutions; employer's representatives are also involved in it;
- by informing the general public about the results of its activities, plans, and innovations.

Students are provided with the opportunity to cumulatively assess the content, organization and quality of academic process and the performance of individual members of the teaching staff.

The assessment of the quality of mastering the higher education specialty programme includes ongoing, formative and summative or final state assessment of graduates.

8.1. Ongoing assessment of academic performance and formative assessment.

8.1.1. Regulatory and procedural support of the ongoing assessment of performance and formative assessment of students' achievements is based on the Regulation on the Forms, Terms and Procedure of Ongoing Assessment of Students' Performance and Formative Assessment of Students' Achievements as well as the Regulation on the Expulsion of Students in the VolgSMU approved by the Academic Board of the VolgSMU.

8.1.2. In accordance with the Federal State Higher Education Standard the funds of assessment tools have been developed and approved (including those in electronic format) to carry out ongoing and formative assessment of students' performance.

They include control questions and standardized case studies for practical classes, laboratory work, exams, tests and computer interactive software, model topics for independent students' work and suggested topics for library research papers as well as other forms of assessment, which make it possible to evaluate knowledge, skills and the level of the developed competencies.

8.1.3. The VolgSMU has created conditions for maximum adjustment of the format of ongoing and formative assessment of students' performance to their future professional settings. In addition to the teachers providing training in a particular

subject area, employers' representatives and lecturers teaching allied courses are actively involved as external examiners.

8.1.4. Ongoing monitoring of the conventional or individual curriculum completion is carried out by the university departments together with the faculty deans up to the end of each term. The following indicators are used to analyze the ongoing assessment results:

- the amount of classes missed in a course (module), practical training;
- the amount of unsatisfactory grades/fails in a course (module), practical training.

8.1.5. Lectures, laboratory and practical classes are delivered strictly according to the schedule, approved by the chancellor. Lecture attendance is compulsory. Those present are registered by class and year monitors and by random checks of individual groups. A lecture missed without a valid excuse must be made up for through an interview with a lecturer or an essay submitted within 2 weeks. There are some other ways of compensating for missed lectures developed by each individual department and agreed with the academic office and the dean of a faculty (students' recitation at practical classes, research paper covering the content of a missed lecture, tests, etc.).

8.1.6. The academic schedule of the classes of individual groups trained at hospital-based departments or classes in elective courses is compiled by the head of a department and agreed with the dean.

8.1.7. The staff of each department systematically monitors how their students master the discipline programme, which is translated into grades recorded in class registers according to the point rating system.

8.1.8. Classes missed for a valid reason (illness, permission obtained from the dean's office, etc.) are compensated using the materials on the studied topic without reference to academic hours.

8.1.9. Academic failures are overcome in the ways approved by the department (an individual interview, writing essays, tests, etc.) in accordance with the department schedule, agreed with the dean.

8.1.10. Classes missed without a valid excuse must be made up for with reference to academic hours. Oral interviewing, writing an essay on the lecture topic or deducting penalty points according to the department's point rating system can be used to compensate for classes missed without a valid excuse.

8.1.11. A student who received an unsatisfactory grade/fail during ongoing assessment has to go back over the studied section and answer a teacher's questions during the interview, which is held within teachers' normal working hours (in class or after classes). In case of frontal instruction, a student has to improve an unsatisfactory mark within the period of two weeks from the day it was given, in case of clinical rotations – before the rotation ends.

8.1.12. Students, who failed to compensate for a missed class in due time, can continue attending classes only if they get a written permit issued by the dean or vice-dean. Students who failed to read for a scheduled practical class properly are not allowed to skip it.

8.1.13. The departments are obliged to take corrective actions (teacher-to-student talks, private communication with the department head or their deputy, inviting students to staff meetings) with regard to the students, who abscond from overcoming their failures. If the actions taken are not successful, the department informs the dean's office about the students, who absconded and actions taken to improve it, by the 1st day of every month.

8.1.14. Students, who miss classes due to a long-term illness, must compensate for them according to an individual schedule agreed with the department staff after they get a permit from the dean's office.

8.1.15. On a few special occasions (participation in inter-university conferences, academic competitions, duty chores, etc.), deans and their deputies in coordination with department staff can exempt students from compensating for a few missed classes provided their average course point rating in the current term is not less than 61 points and students independently master the class material they missed. It can be checked by means of assigning an additional assignment covering the missed topic to a student during the formative assessment of student's performance.

8.1.16. Students can sit exams only in case the requirements of the compulsory study programme have been met and end-of-term tests in practical, laboratory classes, seminars, course projects and practical training sessions covered by this term syllabus have been passed in the terms established in the chancellor's order.

8.1.17. For a student, who failed to complete the term study programme for a valid reason (e.g. due to illness), the individual timeframe for the term completion is scheduled on request of the dean's office.

8.1.18. In case of long-term or frequent diseases, resulting in decreased work capacity, as well as pregnancy and childbirth the university chancellor can issue an order granting an academic leave, whose length is determined by a medical consultative board.

8.1.19. Disciplinary measures can be imposed on students, who have missed more than 30% of face-to-face academic hours in the course/practical training session and those, who have not completed or untimely completed any type of assignments of ongoing assessment with unsatisfactory marks prevailing (the current point rating is less than 61). Depending on the type of students' failure to perform their academic duties, the measures listed below can be undertaken: students can be invited to the department staff meeting or to the dean's office meeting, where a reprimand or rebuke can be administered, students' parents or potential employer can be notified about the possible expulsion due to a failure to complete the study programme.

8.1.20. Classes are held strictly according to schedule. Changing the schedule, adding extra or evening classes is not permitted unless they are agreed upon with the dean's office or the academic office. The schedule of classes provided by hospital-based departments or classes in elective courses is compiled by the head of a department, is agreed with the dean and then submitted to the academic office.

8.1.21. Formative assessment of student

8.1.21.1. An end-of-term test is a form of formative assessment, which is used to check how well a student has mastered the material of studied courses (stages, modules), and to monitor practical training. An end-of-term test is held immediately upon completing the course or practical training (stage, module) and before the date of the term end if not specified otherwise by the academic process schedule.

8.1.21.2. The form and procedure of end-of-term testing are specified in the syllabus of a course (stage, module). For end-of-term tests a pass (if a student scores 61 points or more in a subject)/fail grading system is used. It is recorded in a student's individual curriculum and a student's record book. Grades ('excellent', 'good', 'satisfactory', and 'unsatisfactory') can also be given. The system and criteria of assessment are established by the syllabus of a course on the basis of point rating system.

8.1.21.3. Students, who have fulfilled all the requirements of the syllabus of a course (stage, module) and do not have academic failures in this course (stage, module) are allowed to do an end-of-term test in case they have scored 61 or more points in the course.

8.1.21.4. The procedure used to hold an end-of-term test in practical, on-the-job training is specified by the practical training syllabus and supervised by its head. Its assessment results can be graded as 'excellent', 'good', 'satisfactory', 'unsatisfactory' or 'pass/fail'. Moreover, the system and criteria of assessment are established by the syllabus of practical training on the basis of point rating system.

8.1.21.5. An exam is a form of formative assessment of gained knowledge, acquired skills of self-study and the ability to use them to handle practical tasks resulting from the study of a course (stage, module).

An exam is held on completing the study of a course (stage, module). Its scope is specified by the syllabus of a course (stage, module).

8.1.21.6. Students, who have met all the requirements of the syllabus of a course (stage, module) and do not have academic failures in this course (stage, module) are allowed to sit an exam in case they have scored 61 or more points while doing the course.

8.1.21.7. To regulate academic process and organize a vacation for students, exams are grouped within an examination set which is held at the end of each term if not specified otherwise by a curriculum or an individual curriculum. Examination period schedule is established by the chancellor's order.

8.1.21.8. A pre-exam tutorial is held before exams. The schedule of exams held within an examination period is compiled in accordance with the chancellor's order about the terms of an examination set. Both teachers and students are informed about it not later than two weeks before it starts. The schedule is made up in such a way that students have a minimum three-day interval between the exams for revision.

8.1.21.9. The form of an exam (oral, written, testing or another form), its procedure (including time allocated to prepare for oral examination or time allocated to go through the stages of exams held in written or text form) and exam assessment criteria are specified in the materials of the course teaching package, approved in accordance with the established procedure. Students are informed about them at the beginning of the course (module) study.

8.1.21.10. Exams are held by lecturers authorized by the chancellor's order. In case of an oral examination using examination question papers, an examiner has the right

to offer additional questions, which are not covered by the paper, within the scope of a course (stage, module) syllabus. Unauthorized persons are not allowed to attend exams without the permission of the chancellor, first vice-chancellor, vice-chancellor for academic affairs or the faculty dean.

8.1.21.11. Examination materials (papers, tests, etc.) are approved by the academic and methodological commission of a faculty, which supervises the completion of the curriculum including the course ending in an exam.

8.1.21.12. A student, who is allowed to take an examination, must arrive by the time the exam starts, properly dressed and bring a student's record book. In time of the exam students can use a syllabus, reference books allowed by the examiner. It is not allowed to use means of communication during exams.

8.1.21.13. Students, who fail/miss an exam for a valid reason confirmed by a standard form document, are provided with the opportunity to sit the exam on another date fixed by the dean's office. The document must be submitted to the dean's office not later than the next working day after it was received. It must be registered and kept in a student's personal file. In case of illness a student can sit exams on individually fixed dates specified by the chancellor's order about extending an examination period.

8.1.21.14. Formative assessment (exam) grading is based on the point rating system of each course. The final cumulative grade in a course (not only for answering exam questions) translated into 'excellent', 'good', 'satisfactory' is entered in a student's record book, examination progress report, and examination record list. An 'unsatisfactory' mark is recorded only in an examination progress report and examination record list.

8.1.21.15. A student's absence from the exam is marked as 'not present' in the examination record list. An examination record list and an examination progress test are compiled in accordance with the point rating system. On exam completion a compiled examination progress report is submitted by the examiner to the dean's office not later than the next working day.

8.1.21.16. Students have to be informed about the forms, procedures of ongoing and formative assessment used for each discipline within the first month of study.

8.2. The State Final Examination of graduates.

8.2.1. The summative assessment of graduates for the Specialty 31.05.01 General Medicine course includes the State Final Examination.

8.2.2. State Final Examination sets out to assess graduates' universal cultural, general professional and professional competencies, which determine their proficiency in handling professional tasks, specified by the Federal State Higher Education Standard for the Specialty 31.05.01 General Medicine, and make them competitive at the labour market. Summative assessment performed as the State Final Examination of graduates is in full conformity with the education programme completed by students throughout the course.

8.2.3. The university has developed and approved the requirements for the content and procedure of the State Final Examination based on the Decree of the Ministry of Education and Science of the Russian Federation No. 636 of June 29, 2015 'On the Approval of the Procedure of State Summative Assessment Based on Higher Education Programmes – Bachelor Programmes, Specialist Programmes, Master Programmes'.

8.2.4. Students are informed about the requirements for the content and the procedure of the State Final Examination 6 months prior to the provisional date of the State Final Examination, which graduates doing the Specialty 31.05.01 General Meicine course, take. Students, who do not have academic failures and have fully completed the curriculum or individual curricula of the study programme in conformity with the requirements of the Federal State Higher Education Standard and passed all the end-

of-term tests and exams covered by the curriculum, are allowed to go through the State Final Examination.

8.2.5. State summative assessment of the performance of graduates of the General Medicine faculty of the Volgograd State Medical University is held in the form of the State Final Examination held for the Specialty 31.05.01 General Medicine. It relies on the general requirements formulated in the Federal State Higher Education Standard for the Specialty 31.05.01 General Medicine and involves the assessment of the level of proficiency of students in major clinical disciplines, whose completion is of great importance for graduates' professional activities.

8.2.6. The major criterion for assessing the quality of graduates' training is their ability to make optimal decisions in the field of professional activities based on integrated content of the courses covered by the summative assessment.

8.2.7. The summative assessment of the performance of the General Medicine faculty graduates doing the Specialty 31.05.01 General Medicine course is conducted as a 3-stage exam:

1 stage – testing,

2 stage – assessment of practical skills,

3 stage – oral examination.

The listed stages of the State Final Examination accomplish the goals of assessing the proficiency of graduates listed below:

1 stage – testing (assessment of the level of theoretical knowledge in the form of computer-based testing);

2 stage – practical professional expertise of graduates is assessed, which involves evaluating the level of development of practical skills (using simulators, phantoms, medical apparatuses and tools);

3 stage – assessment of the ability to handle specific professional tasks during oral examination covering various sections of core and allied clinical courses (working out an analysis-based solution to comprehensive exam questions, integrating case studies and an interview).

8.2.8. Grading of the State Final Examination results is based on the point rating system.

8.2.8.1. By the start of the State Final Examination the officials of the General Medicine faculty office compile a cumulative examination record list containing all the information on the graduates' rating score in major clinical courses before the summative assessment (preliminary Majors score). The latter is defined as the average of graduates' rating scores based on the results of their study of major clinical courses provided by the departments where State Final Examinations are held. Preliminary Majors score is included in the final mark given at the State Final Examination as its constituent part. This approach makes it possible to decrease contingent probability in the system of summative assessment of knowledge and practical skills as it takes into account the basic level of students' achievements throughout the whole period of study.

8.2.9. Students, who fail the State Final Examination due to nonattendance without a valid excuse or an 'unsatisfactory' mark given at the time of assessment, are expelled from the university. An academic certificate confirming that they have taken a course of study but failed to master the education programme is granted to them.

8.2.10. A person, who has failed the State Final Examination, can re-sit the State Final Examination no earlier than 10 months and no later than 5 years after the State Final Examination, which they failed. This person can re-sit the State Final Examination no more than twice.

8.2.11. After graduates have passed through all the established procedures of state summative assessment included in the State Final Examination, they earn the qualification of General Practitioner (GP) and certification in General Medicine specialty. The university chancellor publishes the order about students' expulsion and state-recognized diplomas with honours and pass diplomas granted to graduates.

8.2.12. All the sessions of the State Examination Board are documented in minutes. A list of questions offered to a student and a description of answers to them, views of the State Examination Board members on the level of student's proficiency in handling professional tasks revealed during the State Final Examination as well as revealed limitations in the theoretical and practical skills of students are documented in a session minute.

8.2.13. A summary report on the activities of the State Examination Board complemented with the recommendations for enhancing the quality of training students at the university is presented at the Faculty Board meeting and submitted to the chancellor within two months after the state summative assessment is completed.

Afterwards, the summary report is forwarded to the founding organization within a month. The State Final Examination minutes are stored in the university archives.

9. Special aspects of organizing the academic process on the higher education programme of the General Medicine course for the Specialty 31.05.01 General Medicine for handicapped and disabled people.

9.1. The measures taken to create an inclusive learning environment and special educational setting for handicapped and disabled students in the VolgSMU are outlined in the 'Perspective plan for creating an inclusive learning environment for handicapped and disabled students in the VolgSMU for the period of 2014-2017'

approved by the resolution of the Academic Board of the VolgSMU (minute No. 6 of February 12, 2014).

9.2. Training of handicapped students is based on an individual study programme adjusted to training a particular category of students regarding their psychophysical aspects, individual capabilities and health condition. For students with disabilities an individual study programme fitting into their rehabilitation plan is developed.

9.3. The annual workload of handicapped and disabled students trained according to an individually adjusted study programme based on the education programme for the Specialty 31.05.01 General Medicine must not exceed 75 credits.

9.4. Handicapped and disabled students can be trained together with other students and in separate classes.

9.5. Handicapped and disabled students getting a higher education based on this study programme are provided with free medical textbooks, manuals, and other study materials.

9.6. Specific aspects of the summative assessment of handicapped and disabled students' performance include:

- handicapped students must submit a written application claiming the need for creating special conditions for their summative assessment no later than 3 months before the State Final Examination;
- handicapped and disabled students can undergo summative assessment in the same classroom together with other students who are not handicapped or disabled if it does not cause any problems for the former;
- following a student's application the VolgSMU assigns an assistant from the university staff or involves other specialists to be present at the State Final Examination to provide the required technical support to handicapped and disabled

students (taking into consideration their individual capabilities) (to accommodate in a working place, move and communicate with the members of the Examination Board);

- students are informed about the procedure of the State Final Examination in the form acceptable to them;

- depending on their individual capabilities students can use any necessary technical devices during a final qualification work defense.