



MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

INTERNATIONAL HUMANITARIAN  
UNIVERSITY

" ACCEPTED "  
Scientific council  
International humanitarian  
University  
Protocol No. 1  
From 04.09.2023

Entered into force by order of the  
rector

International Humanitarian  
University from 05.09.2023



Rector

K.V. Hromovenko

EDUCATIONAL AND PROFESSIONAL PROGRAM  
" PHYSICAL THERAPY "

LEVEL OF HIGHER EDUCATION	Second (master's) level
DEGREE OF HIGHER EDUCATION	Master of physical therapy
BRANCH OF KNOWLEDGE	22 Health care
SPECIALTY	227 "Therapy and rehabilitation"
SPECIALIZATION	227.01 Physical therapy

Odesa 2023

**LETTER OF AGREEMENT**

**Educational and professional program " PHYSICAL THERAPY " ,  
specialization 227. 01 "Physical therapy"  
at the second (master's) level of higher education**

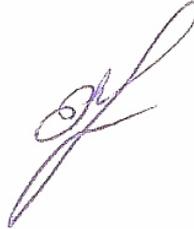
The first vice-rector of the  
International Humanitarian  
University



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Doctor of psychological sciences, professor

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Professor

Guarantor of OPP



**Lina KOVALCHUK**

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## PREFACE

The educational and professional program is a regulatory document, which defines the profile of the educational and professional program in specialty 227 "Therapy and rehabilitation", specialization 227.01 "Physical therapy", provides a list of program components and their logical sequence, the number of ECTS credits required to complete this program, form of attestation of students of higher education.

The educational and professional program "Physical Therapy" of the second (master's) level of higher education in the specialty 227 "Therapy and Rehabilitation", field of knowledge 22 Health care was developed in accordance with the specialization 227.01 "Physical Therapy" in accordance with regulatory documents:

1. Law of Ukraine "On Higher Education" - <http://zakon4.rada.gov.ua/laws/show/1556-18>;
2. Law of Ukraine "On Education" - <http://zakon5.rada.gov.ua/laws/show/2145-19>
3. Resolution of the Cabinet of Ministers of Ukraine "On approval of the list of fields of knowledge and specialties for which higher education applicants are trained" dated April 29, 2015 No. 266 - <http://zakon4.rada.gov.ua/laws/show/266-2015-n>;
4. Order of the Ministry of Health of Ukraine dated August 14, 1998 No. 251 On approval of the Regulation on the system of licensing integrated examinations of specialists with higher education in the fields of "Medicine" and "Pharmacy" - <https://zakon.rada.gov.ua/laws/show/z0563-98#Text>
5. National Classifier of Ukraine: Classifier of Professions DK 003:2010. – <https://zakon.rada.gov.ua/rada/show/va327609-10> ;
6. Methodological recommendations for the development of higher education standards. Approved by the Order of the Ministry of Education and Science of Ukraine dated June 1, 2017 No. 600 (as amended by the Order of the Ministry of Education and Science of Ukraine dated December 21, 2017 No. 1648). Approved by the higher education sector of the Scientific and Methodological Council of the Ministry of Education and Science of Ukraine protocol No. 19 dated November 23, 2017 <https://mon.gov.ua/storage/app/media/vishcha-osvita/rekomendatsii-1648.pdf>
7. Resolution of the Cabinet of Ministers of Ukraine No. 1187 dated 30.12.2015 "On approval of the Licensing conditions for conducting educational activities of educational institutions" (as amended in accordance with Resolution of the Cabinet of Ministers No. 347 dated 10.05.2018) - <https://zakon.rada.gov.ua/laws/show/1187-2015-p>
8. Standard of higher education of the second (master's) level of higher education (hereinafter - Standard) of the field of knowledge 22 Health care, specialties 227 "Therapy and rehabilitation". Approved and put into effect by the order of the Ministry of Education and Science of Ukraine dated September 5, 2022 No. 791. [https://mon.gov.ua/storage/app/media/vishcha-osvita/zatverdzeni%20standarty/2022/09/06/227.01\\_Fizychna.terapiya.erhoterapiya.Mahistr-791-05.09.2022.pdf](https://mon.gov.ua/storage/app/media/vishcha-osvita/zatverdzeni%20standarty/2022/09/06/227.01_Fizychna.terapiya.erhoterapiya.Mahistr-791-05.09.2022.pdf)
9. Order of the Ministry of Health of Ukraine dated 16.11.2022 No. 2083 (Registered in the Ministry of Justice of Ukraine on December 2, 2022 under No. 1516/38852), On approval of the Procedure for the

organization of rehabilitation assistance on rehabilitation routes

{With changes introduced in accordance with the Order of the Ministry of Health [No. 2194 dated 02.12.2022](#) }

<https://zakon.rada.gov.ua/laws/show/z1516-22#Text>

10. Resolution of the Cabinet of Ministers of Ukraine dated December 16, 2022 No. 1392 "On Amendments to the List of Fields of Knowledge and Specialties for which Higher Education Candidates are Trained"

<https://zakon.rada.gov.ua/laws/show/1392-2022-%D0%BF#Text>

11. Resolution of the Cabinet of Ministers of Ukraine dated December 16, 2022 No. 1462 "Some issues of rehabilitation organization in the field of health care" <https://zakon.rada.gov.ua/laws/show/1462-2022-%D0%BF#Text>

12. Resolution of the Cabinet of Ministers of Ukraine of December 27, 2022 No. 1464 "Some issues of implementation of the program of state guarantees of medical care for the population in 2023"

<https://zakon.rada.gov.ua/laws/show/1464-2022-%D0%BF#Text>

13. Order of the Ministry of Health of Ukraine dated May 16, 2023 No. 891 ( registered in the Ministry justice of Ukraine May 25, 2023 under No. 864/39920 ) <https://zakon.rada.gov.ua/laws/show/z0864-23#n22>

The educational and professional program "Physical therapy" of the second (master's) level of higher education in the specialty 227 " Therapy and rehabilitation" , field of knowledge 22 Health care was developed accordingly, specialization 227.01 "Physical therapy" was discussed at the general work meeting of the scientific and pedagogical team Faculty of Medicine and Public Health of the International Humanitarian University, complies with the Regulations on the Organization of the Educational Process at the International Humanitarian University ( [https://docs.mgu.edu.ua/docs/NormAkti/poloj\\_osv\\_proces.pdf](https://docs.mgu.edu.ua/docs/NormAkti/poloj_osv_proces.pdf) ).

**Developed by the project group consisting of:**

The educational and professional program was developed by the working group of the Faculty of Medicine and Public Health of the International Humanitarian University, consisting of:

**Guarantor of  
OPP**

**Lina Yosypivna KOVALCHUK**

Head of the Department of General Medical Sciences, Doctor of Medical Sciences, Associate Professor, Professor of the Department of General Medical Sciences of Moscow State University

**Group  
members:**

**Lyudmila Nazariivna Yefremenkova**

Head of the Department of Internal Medicine, Moscow State University, doctor of medical sciences, professor

**Svitlana Volodymyrivna VRUBLEVSKA**

Associate Professor of the Department of Internal Medicine, Moscow State University, Candidate of Medical Sciences, Associate Professor

**Vitaly Naumovich KUKUSHKIN**

Dean of the Faculty of Medicine and Public Health, Candidate of Medical Sciences, Associate Professor

**Vidadi Niyazovich GULUEV**

co-founder and head of the Center for Restorative Medicine and Motor Rehabilitation "Space of Movement".

**Nikita Vyacheslavovych TERZI** - winner of the 1st year (master's level) special. 227.01

**Reviews of external stakeholders:**

**Khramtsov Denys Mykolayovych** , director of the Medical Center of Modern Neurology and Rehabilitation Medicine "Experi Health" (Odesa), Doctor of Medicine, neurologist of the highest category, doctor of emergency medicine of the highest category, co-founder of the "Southern Ukrainian Regional Association of Angioneurology" ;

**1. Profile of the " Physical Therapy" educational program  
by specialty 227.01 Physical therapy**

<b>1.1. General characteristics of the program</b>	
<b>Full name of the higher educational institution and structural unit</b>	International Humanities University Faculty of Medicine and Public Health. Department of general medical sciences
<b>Level of higher education</b>	Second (master's) level
<b>Cycle/level</b>	NRK of Ukraine – 7th level, FQ-EHEA – second cycle, EQF-LLL – 7th level.
<b>Degree of higher education</b>	Second ( master's )
<b>Educational qualification</b>	"Master of physical therapy"
<b>Qualification in diploma</b>	Degree of higher education - "Master" Specialization "Physical therapy" Educational program - "Physical therapy" for specialty 227 " Therapy and rehabilitation "
<b>Branch of knowledge</b>	22 Health care
<b>Specialty</b>	227 Therapy and rehabilitation
<b>Specialization</b>	227.01 Physical therapy
<b>The official name of the program</b>	PHYSICAL THERAPY
<b>Type of diploma and scope of the educational program</b>	Master's degree, single, study period - 1 year 10 months The amount of educational-professional and educational-scientific programs required to obtain a master's degree is 120 ECTS credits. At least 50% of the volume of the educational program should be aimed at providing general and special (professional) competencies by specialization, defined by this standard of higher education. The total volume of clinical practices in physical therapy should be at least 3-4 credits
<b>Form of education</b>	Denna
<b>Availability of accreditation</b>	There is none
<b>Prerequisites</b>	Admission conditions are determined by the "Rules of Admission to the International Humanitarian University <a href="https://docs.mgu.edu.ua/docs/pravila_prioma_mgu2023.pdf">https://docs.mgu.edu.ua/docs/pravila_prioma_mgu2023.pdf</a> Only persons who have obtained a bachelor's degree in the specialty 227 Therapy and rehabilitation or in the direction of training Human health (professional direction Physical rehabilitation) can enroll in studies for obtaining a master's degree in the specialty Therapy and rehabilitation with specialization 227.01 Physical therapy.
<b>Restrictions on forms of education</b>	Preparation is carried out only in full-time (full-time) form of education
<b>Language(s) of instruction</b>	Ukrainian, English
<b>The term of validity of the educational programs</b>	During the study period

<b>The Internet address of the permanent posting of the description</b>	<a href="https://mgu.edu.ua/">https://mgu.edu.ua/</a>
<b>1.2. The purpose of the educational and professional program</b>	
<b>The purpose of the educational program</b>	<p>The training of a highly qualified, competitive, integrated into the European and global scientific and educational space of a specialist in physical therapy, who possesses theoretical and practical skills at a high level and is able to solve complex tasks and problems associated with disorders of the functions of human organs and systems, can be qualified carry out examinations, testing, determination of the functional state and level of physical development of a person, develops and implements individual rehabilitation programs, develops and implements a set of measures and recommendations aimed at improving the functioning of the body, promotes a healthy lifestyle and integrates people with disabilities into society.</p> <p>The educational and professional program "Physical Therapy" is focused on clinical practice, as well as organizational and managerial, research activities in the field of practical health care.</p>
<b>1.3. Characteristics of the educational program</b>	
<b>Subject area (field of knowledge, specialty, specialization)</b>	<p>The object of study and activity is: complex violations of motor functions and human activity, their correction through the use of physical therapy measures in order to restore full-fledged life activities in accordance with the wishes and needs of a person in the conditions of the surrounding, social and cultural environment.</p> <p>Learning goals: acquiring the ability to perform the professional activities of a physical therapist, to solve problems of a research and/or innovative nature that relate to physical therapy.</p> <p>Theoretical content of the subject area: disorders of functions, activity and participation of persons of different nosological and age groups, principles, concepts, theories and methods of physical therapy, management, teaching and scientific research in physical therapy.</p> <p>Methods, techniques and technologies: examination of functional capabilities of the patient/client; information processing; planning, forecasting, implementation and correction of physical therapy programs; prevention of diseases, complications and functional disorders; scientific research and discussion; evidential practice; management and teaching; modern digital technologies.</p> <p>Tools and equipment devices, devices and equipment for monitoring basic vital signs, examination and testing of patient/client functions, physical therapy program implementation, databases, information systems, specialized software.</p>
<b>Orientation of the educational program</b>	<p>The educational and professional program provides practice-oriented training of a specialist in therapy and rehabilitation</p>
<b>The main focus of the program and specialization</b>	<p>The use of modern and innovative technical methods and means for the rehabilitation of patients of various nosological and age groups with disorders of the functions of organs and systems, in particular, the musculoskeletal system, nervous, cardiovascular and respiratory systems.</p> <p><b>Key words:</b> health care, physical therapy, healthy motor activity, examination, rehabilitation, assessment, forecasting, intervention,</p>

	competences (integral, general, professional), program learning results, specialty, qualification.
<b>Features of the program</b>	<p>The uniqueness of OPP is determined by the combination of classical university education, which involves the union of learning, science and practice, the training of highly qualified specialists who are able to carry out professional activities, solve complex tasks and problems of a research and innovation nature in the field of health care in conditions characterized by uncertainty and variability, continue learning with a high degree of autonomy.</p> <p>Teaching in small groups in a combination of practical and theoretical training, aimed at mastering modern knowledge and technologies in the field of health care, focused on continuity of education. The program combines theoretical and practical training of the applicants, involves the involvement of practicing professionals, experts and practicing (clinical) specialists in the field to lead clinical practice and to conduct practical classes in the disciplines of the professional training cycle. The high level of the educational and professional part of training is ensured by the presence of cooperation agreements with leading clinical and medical institutions of the Ministry of Health of Ukraine, where students of higher education have the opportunity do practice</p> <p>OPP is aimed at training personnel for the South of Ukraine, which has significant potential for great rehabilitation, recreational and tourism opportunities (a special ecosystem, sanatoriums of various directions, in particular medical and rehabilitation children's centers, recreation centers, etc.), and also takes into account the region's many years of experience in training specialists physical rehabilitation, practical psychology, a special emphasis in the OPP is made on filling the content of the educational process with knowledge about medical psychophysical rehabilitation (of military personnel and other categories of the population) and on acquiring practical skills in specialized medical institutions.</p>
<b>1.4. Graduates' suitability for employment and further education</b>	
<b>Suitability for employment</b>	<p>Obtaining a master's degree in the specialty 227 Therapy and rehabilitation gives the right to hold positions as a physical therapist in accordance with the obtained specialization.</p> <p>The graduate is able to perform the professional work specified in DK 003-2010 (amendment No. 5) and can hold the corresponding primary position:</p> <p>2229.2 – Physical therapist;  2229.1 – research (junior research) employee  3226 - Physiotherapist and massage therapist;  7,324 - Specialist practicing in the field of non-traditional medicine;  3226 - Specialist in physical rehabilitation;  3241 - Non-contact massage specialist, healer;</p> <p>And also has the right to hold positions:</p> <ul style="list-style-type: none"> <li>- teacher of higher education institutions</li> <li>- head of rehabilitation and health facilities;</li> <li>- instructor-methodologist in physical rehabilitation in preschools, boarding schools, orphanages, educational and rehabilitation centers, preventive clinics and other institutions, the specifics of which are related to physical therapy.</li> </ul> <p>Types of economic activity (according to KVED 009:2010):  Other activities in the field of health care, KVED code - 86.90.</p>

<b>Further education (academic rights of graduates)</b>	Graduates have the right to continue their studies at the third level of higher education to obtain the qualification of doctor of philosophy in the field of health care in the specialty 227 Therapy and rehabilitation, specialization 227.01 Physical therapy. Acquisition of additional qualifications in the postgraduate education system.
<b>1.5. Teaching and assessment</b>	
<b>Teaching and learning</b>	Teaching and learning are carried out in accordance with <a href="#">the Regulation on the internal system of ensuring the quality of education at the International Humanitarian University</a> The Educational and Professional Program includes lectures, practical, seminar and individual classes, student consultations, independent work under the guidance of a teacher, extracurricular work, and industrial practice at health care facilities. Emphasis is placed on competency-based, student-centered learning, proactive self-learning, problem-oriented learning, attention is paid to independent learning, teaching through practice, a combination of educational and research activities of students, organization of training and simulation centers, blended learning to meet the individual educational needs of students.
<b>Assessment</b>	Evaluation of educational achievements of higher education students for all types of classroom and independent educational activities is carried out according to the national scale (excellent, good, satisfactory, unsatisfactory; passed, failed), 100-point scale and ECTS scale (A, B, C, D, E, FX, F) Provision is made for current, thematic, final control, written and oral exams, testing, passing various types of practices, attestation exam, defense of a qualification (master's) thesis .
<b>1.6. Software competencies</b>	
<b>Integral competence (IR)</b>	The ability to carry out the professional activity of a physical therapist or occupational therapist, to solve tasks of a research and/or innovative nature in the field of physical therapy or occupational therapy in accordance with the specialization.
<b>general competence (ZK)</b>	ZK 01. Ability to abstract thinking, analysis and synthesis ZK 02. Ability to search, process and analyze information from various sources. ZK 03. Ability to adapt and act in a new situation. ZK 04. Ability to identify and solve problems. ZK 05. Ability to make informed decisions. ZK 06. Ability to motivate people and move towards a common goal. ZK 07. Ability to work autonomously. ZK 08. The ability to evaluate and ensure the quality of performed works.
<b>Special (professional, subject) competence (SK)</b>	SK 01. The ability to identify problems in the physical, cognitive, psycho-emotional, spiritual spheres, limitations of the patient's occupational participation in accordance with the International Classification of Functioning, Limitations of Vital Activities and Health (ICF). SK 02. Ability to think clinically, plan therapy, apply scientifically based means and methods of evidence-based practice (Evidence-based practice), analyze and interpret results, make corrections to the developed program of physical therapy or occupational therapy or components of an individual rehabilitation plan. SK 03. The ability to effectively communicate with the patient/client, his family and caregivers, form an understanding of the patient's own needs

	<p>and find ways to implement them, develop and implement a home therapy program.</p> <p>SC 04. Ability to work in a rehabilitation team and interpersonal interaction with representatives of other professional groups of different levels.</p> <p>SC 05 The ability to provide first medical (medical) aid in emergency situations and military operations, to understand the basics of tactical medicine.</p>
<p><b>Special (professional, subject) competences.</b>  <b>Specialization 227.01</b>  <b>Physical therapy</b></p>	<p>SKft 01. The ability to understand the clinical and rehabilitation diagnosis of the patient/client, the course of the disease and treatment tactics.</p> <p>SKft 02. The ability to examine persons of different age, nosological and professional groups with complex progressive and multisystem pathology using standardized and non-standardized assessment tools, to determine physical development and physical condition.</p> <p>SKft 03. Ability to predict the results of physical therapy, formulate goals, formulate, discuss and explain the program of physical therapy, or components of an individual rehabilitation plan that relate to physical therapy.</p> <p>SKft 04. Ability to conduct physical therapy of persons of different age, nosological and professional groups with complex progressive and multisystem disorders.</p> <p>SKft 05. The ability to plan and control the duration and intensity of therapeutic activities to ensure their compliance with the state of health, the functional capabilities of the patient/client and the goals of physical therapy.</p> <p>SKft 06. Ability to conduct scientific activity in the field of physical therapy.</p> <p>SKft 07. Ability to carry out teaching activities (in particular, as a manager/methodologist/supervisor of clinical practices).</p> <p>SKft 08. Manage work processes that are complex, unpredictable and require new strategic approaches in physical therapy, manage the work of assistants, assistants and volunteers.</p> <p>SKft09. Ability to conduct entrepreneurial activity in physical therapy.</p>
<p><b>1.7. – Program learning outcomes</b></p>	
<p><b>Program learning outcomes (PRN)</b>  Master's degree in specialty 227 Therapy and rehabilitation by specialization 227.01 Physical therapy</p>	<p>PRft 01. Apply the biopsychosocial model of life limitations in professional activities, analyze the medical, social and personal problems of the patient/client.</p> <p>PRft 02. To be able to select and analyze information about the patient's condition.</p> <p>PRft 03. Conduct physical therapy of patients/clients of various ages with complex pathological processes and disorders.</p> <p>PRft 04. Evaluate, discuss and apply the results of scientific research in clinical, scientific, educational and administrative activities.</p> <p>PRft 05. Conduct a survey (subjective examination) of the patient/client to determine impairments in function, activity and participation.</p> <p>PRft 06. Determine the level of psychomotor and physical development of a person, his physical condition, perform an objective examination of patients/clients of various nosological groups and with complex progressive and multisystem pathology, using appropriate tools.</p> <p>PRft 07. Communicate with the patient/client to determine his needs and expectations regarding his motor activity and the results of physical therapy.</p>

	<p>PRft 08. To predict the results of physical therapy of patients/clients of different nosological groups and with complex progressive and multisystem pathology.</p> <p>PRft 09. Set intervention goals.</p> <p>PRft 10. Create (plan) a physical therapy program separately or as part of an individual rehabilitation plan.</p> <p>PRft 11. Implement physical therapy physical therapy programs separately or as part of an individual rehabilitation plan according to available resources and environment.</p> <p>PRft 12. Carry out phased, current and operational control of the patient's/client's condition, analyze the results of the physical therapy program.</p> <p>PRft 13. Adjust the course of the physical therapy program based on the analysis of the planned and achieved results.</p> <p>PRft 14. Conduct independent practical activities.</p> <p>ΠΡφΤ 15. Develop and teach specialized educational disciplines in institutions of higher education, participate in the implementation of educational programs as a clinical manager/methodologist/supervisor of educational practices.</p> <p>PRft 16. Plan and carry out own professional development, plan and evaluate the professional development of the team.</p> <p>ΠΡφΤ 17. Plan and carry out scientific and applied research in the field of physical therapy, put forward and test hypotheses, choose research methods and tools, analyze their results, substantiate conclusions.</p> <p>PRft 18. To comply with basic legal and ethical requirements, to conduct activities with the consent of the patient/client.</p> <p>PRft 19. To provide first aid in emergency situations in wartime conditions; choose methods and means of saving life.</p>
<p><b>1.8. Resource support for program implementation</b></p>	
<p><b>Personnel software</b></p>	<p>Scientific and pedagogical workers providing educational and professional programs have scientific degrees and scientific titles, and meet the personnel requirements of licensing conditions for conducting educational activities at the second (master's) level of higher education. More than 70% of the teaching staff involved in teaching professionally oriented disciplines have scientific degrees, of which 50% have academic titles. Conducting lectures and practical classes on educational disciplines that ensure the formation of professional competences is carried out by scientific and pedagogical workers, among whom are recognized professionals with work experience: research, management, innovative or creative work by profession; practical work by profession. Members of the educational and professional program support group have qualifications corresponding to their specialty: higher education in a specialty, a scientific degree or academic title, a confirmed level of scientific and professional activity. Most of the scientific and pedagogical staff of the support group are full-time employees of the university. Teaching of lecture material in the disciplines of special training for students of higher education is 100% provided by scientific and pedagogical workers who have a scientific degree and an academic title.</p>
<p><b>Material and technical support</b></p>	<p>Provision of premises for conducting training sessions and control events (square meters per person for the actual contingent of higher education applicants and the declared volume taking into account training in shifts) at least 2.4 square meters</p>

	<p>Provision of multimedia equipment for simultaneous use in classrooms (minimum percentage of the number of classrooms) – more than 30%.</p> <p>Social and household infrastructure:</p> <ul style="list-style-type: none"> <li>- library, including a reading room;</li> <li>- food outlets;</li> <li>- Assembly Hall;</li> <li>- gym;</li> <li>- stadium and sports grounds;</li> <li>- medical center.</li> </ul> <p>Provision of higher education students with a dormitory (minimum percentage of need) is 70%. Provision of computer workstations, laboratories, equipment, and facilities necessary for the implementation of educational plans.</p> <p>To ensure clinical practices, the Center for Relations with Employers and Graduates ( <a href="https://mgu.edu.ua/work_tsender">https://mgu.edu.ua/work_tsender</a> ) has concluded agreements on cooperation with health care institutions (according to the Letter of the Ministry of Health of Ukraine dated May 19, 2017 r. No. 317/13808), social protection, etc., which provide rehabilitation assistance in acute, subacute and long-term periods.</p> <p>Creating the necessary conditions for students of higher education to master the necessary practical competencies provided for by the educational and professional program for specialty 227 "Therapy and rehabilitation" and educational programs of other medical specialties is entrusted to the Health and Rehabilitation Center of Moscow State University ( <a href="https://mgu.edu.ua/rehabilitation_center">https://mgu.edu.ua/rehabilitation_center</a> )</p>
<p><b>Informational and educational and methodical software</b></p>	<p>Educational and methodological support meets the requirements for informational and educational and methodological support defined by the Ministry of Education and Science of Ukraine.</p> <p>Curriculum. Work study plans. Work programs of educational disciplines. End-to-end internship program. Working programs of practitioners. Educational materials for educational components (disciplines). Methodical materials on the organization of students' independent work. Methodical materials for writing a qualification (master's) thesis. Methodical materials for practicals. Methodical materials for certification of higher education applicants.</p> <p>Information support.</p> <p>Provision of the library with domestic and foreign professional periodicals of a corresponding or related profile, in particular in electronic form. Availability of access to databases of periodical scientific publications in English of the relevant or related profile.</p> <p>The presence of the official website of the International Humanitarian University ( <a href="https://mgu.edu.ua/">https://mgu.edu.ua/</a> ), which contains basic information about its activities (structure, licenses and certificates of accreditation, educational/educational/scientific/publishing/attestation (scientific personnel) activity, educational and scientific structural subdivisions and their composition, list of academic disciplines, admission rules, contact information, etc.).</p> <p>Availability of the electronic resource of the International Humanities University, which contains educational and methodological materials for educational disciplines, educational and methodological complexes of disciplines; syllabi of disciplines; didactic materials for independent and individual work of students in disciplines; practice programs; methodical</p>

	instructions for the implementation of diploma projects (works); criteria for evaluating the level of training. The use of the virtual learning environment of the International Humanitarian University and author's developments of the university's teaching staff.
<b>1.9. Academic mobility</b>	
<b>National credit mobility</b>	The right to national credit mobility is implemented on the basis of the Law of Ukraine "On Higher Education" and contracts between higher education institutions (scientific institutions) of Ukraine or their main structural subdivisions. On the basis of bilateral agreements between the International Humanitarian University and the Higher Education Institution of Ukraine.
<b>International credit mobility</b>	According to the Regulation on the procedure for implementing the right to academic mobility of students of higher education of the International Humanitarian University <a href="https://docs.mgu.edu.ua/docs/poloj_akadem_mobiln%20(2).pdf">https://docs.mgu.edu.ua/docs/poloj_akadem_mobiln%20(2).pdf</a> Within the framework of the EU Erasmus+ program on the basis of bilateral agreements between the International Humanitarian University and educational institutions of partner countries. and exchange of teachers and students.
<b>Education of foreign students of higher education</b>	It is possible, provided that you have a command of the Ukrainian language at a level sufficient for study. It is possible, provided that you speak English at a level sufficient for study

## 2. Attestation forms for applicants of the second (master's) level of higher education

<b>Forms of attestation of applicants of higher education</b>	Attestation is carried out in the form of a unified state qualification exam and public defense of qualification work
<b>Requirements to qualification work</b>	Attestation of applicants of the second (master's) level of higher education in the specialty 227 "Therapy and rehabilitation " provides a public defense of the master's work (specified in the Standard of Higher Education <a href="https://mon.gov.ua/storage/app/media/vishcha-osvita/zatverdzeni%20standarty/2022/09/06/227.01_Fizychna.terapiya.erhoterapiya.Mahistr-791-05.09.2022.pdf">https://mon.gov.ua/storage/app/media/vishcha-osvita/zatverdzeni%20standarty/2022/09/06/227.01_Fizychna.terapiya.erhoterapiya.Mahistr-791-05.09.2022.pdf</a> ) The qualification work should involve solving a problem of a research and/or innovative nature in the field of physical therapy or occupational therapy. According to the Regulations on Academic Integrity at the International Humanitarian University ( <a href="https://docs.mgu.edu.ua/docs/NormAkti/poloj_akad_dobroch.pdf">https://docs.mgu.edu.ua/docs/NormAkti/poloj_akad_dobroch.pdf</a> ), the qualification work must not contain academic plagiarism, falsification, or fabrication. The qualification work must be published on the website of the Faculty of Medicine and Public Health of Moscow State University <a href="https://fmph.com.ua/">https://fmph.com.ua/</a>
<b>Requirements for the unified state qualification exam</b>	Attestation of applicants of the second (master's) level of higher education in the specialty 227 "Therapy and rehabilitation" provides for the Unified state qualification exam ( <a href="https://mon.gov.ua/storage/app/media/vishcha-">https://mon.gov.ua/storage/app/media/vishcha-</a>

	<p><a href="https://osvita/zatverdzeni%20standarty/2022/09/06/227.01Fizychna.terapiya.erhoterapiya.Mahistr-791-05.09.2022.pdf">osvita/zatverdzeni%20standarty/2022/09/06/227.01Fizychna.terapiya.erhoterapiya.Mahistr-791-05.09.2022.pdf</a> )</p> <p>The unified state qualification exam is conducted in the form of attestation exams or a comprehensive attestation exam.</p> <p>The practice-oriented state exam assesses the acquisition of general and special competencies in conditions close to professional activity. An example list of professional training disciplines that are included in the practical-oriented exam:</p> <ul style="list-style-type: none"> <li>- "Physical therapy for diseases of the nervous system (including organic lesions of the nervous system in children)"</li> <li>- "Physical therapy for injuries and diseases of the musculoskeletal system"</li> <li>- "Physical therapy for diseases of the cardiovascular system."</li> <li>- "Physical therapy for diseases of internal organs".</li> </ul> <p>Attestation is carried out openly and publicly, and is posted on the website of the Faculty of Medicine and Public Health of Moscow State University <a href="https://fmph.com.ua/">https://fmph.com.ua/</a></p>
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### 3. Requirements for the existence of a system of internal quality assurance of higher education

<p><b>Principles and procedures for ensuring the quality of education</b></p>	<p>The principles of ensuring the quality of education are implemented in accordance with the requirements of current legislation and internal acts of the International Humanitarian University. The principles and procedures of quality assurance of higher education are defined in the Regulation on the system of ensuring the quality of education (system of internal quality assurance) <a href="https://docs.mgu.edu.ua/docs/NormAkti/poloj_sistem.pdf">https://docs.mgu.edu.ua/docs/NormAkti/poloj_sistem.pdf</a> , the Regulation on the participation of stakeholders in the procedures for ensuring the quality of education activity and quality of the twisted axis at the International Humanitarian University <a href="https://docs.mgu.edu.ua/docs/NormAkti/poloj_uchast_stekhold.pdf">https://docs.mgu.edu.ua/docs/NormAkti/poloj_uchast_stekhold.pdf</a> , Regulations on the organization of the educational process <a href="https://docs.mgu.edu.ua/docs/NormAkti/poloj_osv_proces.pdf">https://docs.mgu.edu.ua/docs/NormAkti/poloj_osv_proces.pdf</a> .</p> <p>And also - Regulations of the University's structural subdivisions (dean's office, department, educational and methodological department) and relevant advisory bodies: the academic council of the University, the scientific and methodological council of the University and the faculty</p>
<p><b>Monitoring and periodic review of the educational program</b></p>	<p>The review and updating of the educational program is carried out in accordance with the requirements of the current legislation and internal acts of the International Humanitarian University.</p> <p>Monitoring and periodic review of the educational program is carried out in accordance with the Regulations on educational programs of the International Humanitarian University <a href="https://docs.mgu.edu.ua/docs/polozh_pro_osvprog_mgu.pdf">https://docs.mgu.edu.ua/docs/polozh_pro_osvprog_mgu.pdf</a></p>
<p><b>Publicity information about educational programs, degrees of higher education and qualifications</b></p>	<p>Placement on the official website of the university in open access: <a href="https://mgu.edu.ua/">https://mgu.edu.ua/</a></p>

<b>Prevention and detection of academic plagiarism</b>	The main principles of observing academic integrity are defined in the Regulations on Academic Integrity at the International Humanitarian University <a href="https://docs.mgu.edu.ua/docs/NormAkti/poloj_akad_dobroch.pdf">https://docs.mgu.edu.ua/docs/NormAkti/poloj_akad_dobroch.pdf</a> and the Code of Academic Integrity of the International Humanitarian University <a href="https://docs.mgu.edu.ua/docs/NormAkti/kodex_akad_dobr.pdf">https://docs.mgu.edu.ua/docs/NormAkti/kodex_akad_dobr.pdf</a>
<b>Requirements of professional standards (if available)</b>	
<b>Full name of the Professional Standard</b>	The full name of the Professional Standard by specialization 227.011 Physical therapy - World Confederation for Physical Therapy: Policy statement: Standards of physical therapist practice; Education <a href="https://www.wfot.org/resources/new-minimum-standards-for-the-education-of-occupational-therapists-2016-e-copy">https://www.wfot.org/resources/new-minimum-standards-for-the-education-of-occupational-therapists-2016-e-copy</a>

## Appendix 1

### List of components of the educational and professional program and their logical sequence

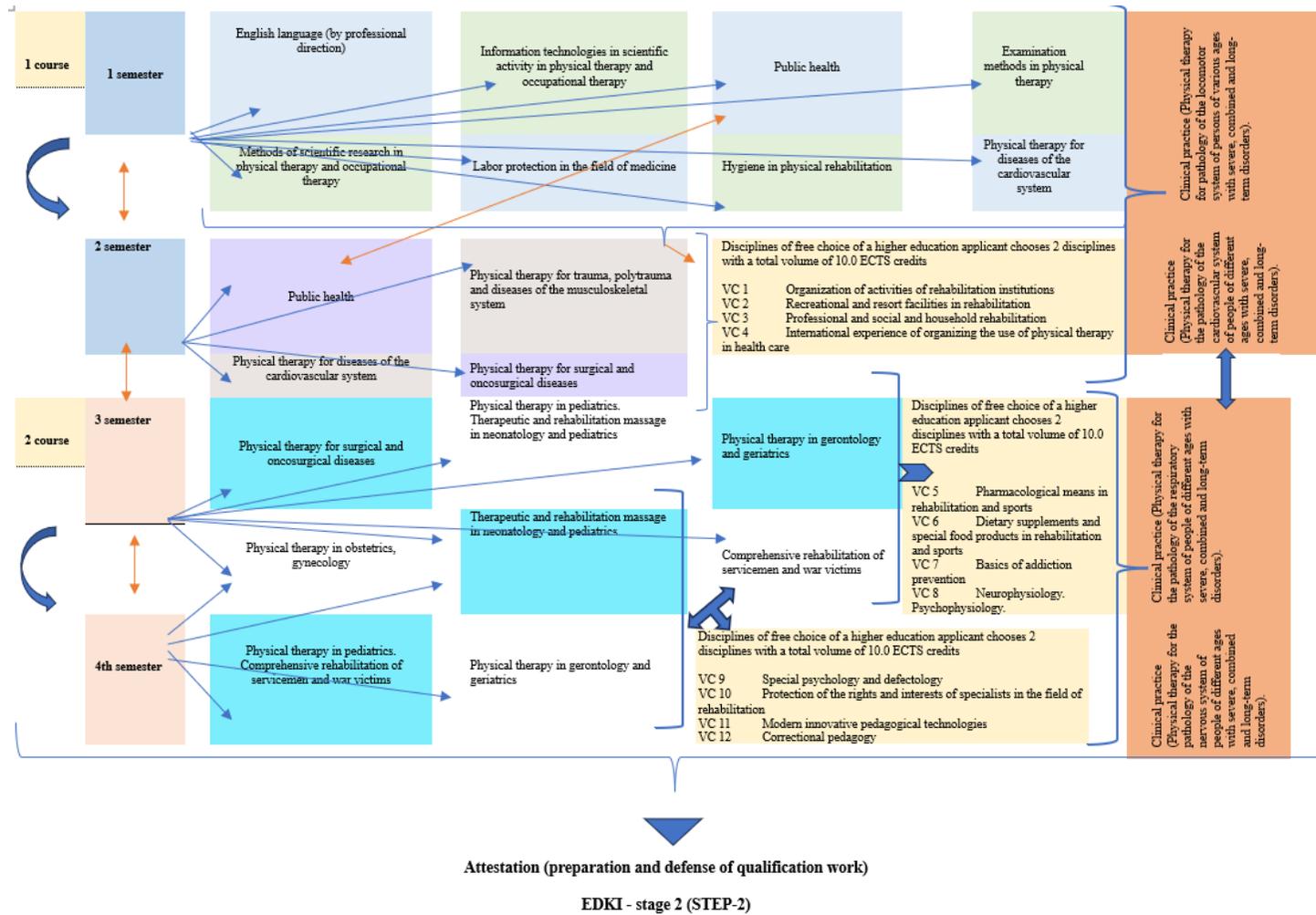
<i>Code of academic discipline</i>	<i>Components of the educational and professional program (educational disciplines, course projects (works), practices. Qualification work)</i>	<i>Number of credits</i>	<i>Final control form</i>
1	2	3	4
<b>Mandatory components of OP (OK)</b>			
<b>2.1 . 1 Cycle of disciplines of general training</b>			
EC with 1	English language (by professional direction)	3	exam
EC with 2	Methods of scientific research in physical therapy and occupational therapy	3	exam
EC with 3	Information technologies in scientific activity in physical therapy and occupational therapy	3	test
EC with 4	Labor protection in the field of medicine	3	test
EC with 5	Public health	3	test
EC with 6	Hygiene in physical rehabilitation	3	test
<b>The total amount of disciplines of general training</b>		18	
<b>2.1.2. Cycle of professional training disciplines</b>			
EC p 7	Examination methods in physical therapy	3	test
EC p 8	Physical therapy for diseases of the cardiovascular system	4	exam
EC p 9	Physical therapy for trauma, polytrauma and diseases of the musculoskeletal system	4	exam
EC p 10	Physical therapy for surgical and oncosurgical diseases	4	exam
EC p 11	Physical therapy in obstetrics, gynecology	4	exam

EC p 12	Physical therapy in pediatrics . Therapeutic and rehabilitation massage in neonatology and pediatrics	4	exam
EC p 13	Physical therapy in gerontology and geriatrics	4	exam
EC p 14	Comprehensive rehabilitation of servicemen and war victims	4	exam
<b>Certification</b>			
EC p 15	Attestation (preparation and defense of qualification work)	3	
EDKI - stage 2 (STEP-2)		2	
<b>The total volume of professional training disciplines</b>		36	
<b>2 . 1. 3. Cycle of practical training disciplines</b>			
EC ptd 16	Clinical practice (Physical therapy for pathology of the locomotor system of persons of various ages with severe, combined and long-term disorders).	9	exam
EC ptd 17	Clinical practice (Physical therapy for the pathology of the cardiovascular system of people of different ages with severe, combined and long-term disorders).	9	exam
EC ptd 18	Clinical practice (Physical therapy for the pathology of the respiratory system of people of different ages with severe, combined and long-term disorders).	9	exam
EC ptd 19	Clinical practice (Physical therapy for the pathology of the nervous system of people of different ages with severe, combined and long-term disorders).	9	exam
<b>The total volume of practical training disciplines</b>		36	
<b>GENERAL VOLUME OF DISCIPLINES OF MANDATORY COMPONENTS 90.0 ECTS credits (75%)</b>			
<b>Total number of OPP credits 120 (100%)</b>			

## LIST OF ELECTIVE DISCIPLINES

<b>2.2 SELECTIVE COMPONENT OPP</b>			
<i>No</i>	<i>Subjects</i>	<i>Number of credits</i>	<i>Form of control</i>
<b>1st year, 2nd semester</b>			
<b>the free choice of the student of higher education (choose 2 disciplines )</b>			
SC 1	Organization of activities of rehabilitation institutions	5	Test
SC 2	Recreational and resort facilities in rehabilitation	5	Test
SC 3	Professional and social rehabilitation	5	Test
SC 4	International experience of organization of application physical therapy in health care	5	Test
<b>2nd year, 3rd semester</b>			
<b>the free choice of the student of higher education (choose 2 disciplines )</b>			
SC 5	Pharmacological means in rehabilitation and sports	5	Test
SC 6	Dietary supplements and special food products in rehabilitation and sports	5	Test
SC 7	Basics of addiction prevention	5	Test
SC 8	Neurophysiology. Psychophysiology.	5	Test
<b>2nd year, 4th semester</b>			
<b>the free choice of the student of higher education (choose 2 disciplines )</b>			
SC 9	Special psychology and defectology	5	Test
SC 10	Protection of the rights and interests of specialists in the field of rehabilitation	5	Test
SC 11	Modern innovative pedagogical technologies	5	Test
SC 12	Corrective pedagogy	5	Test
<b>The total amount of sample components 30 ECTS credits (25%)</b>			
<b>Total number of OPP credits 120 (100%)</b>			

### Structural and logical scheme of the educational program



**The correspondence matrix of the correspondence of program competences to components  
of the educational program for training applicants for the second (master's) level of higher education at the International Humanitarian University in the  
FIELD OF KNOWLEDGE - 22 Health care, SPECIALTY - 227 Therapy and rehabilitation, SPECIALIZATION - 227.01 Physical therapy**

	<b>IR 1</b>	<b>ZK 1</b>	<b>ZK 2</b>	<b>ZK 3</b>	<b>ZK 4</b>	<b>ZK 5</b>	<b>ZK 6</b>	<b>ZK 7</b>	<b>ZK 8</b>	<b>SC 1</b>	<b>SC 2</b>	<b>SK 3</b>	<b>SC 4</b>	<b>SC 5</b>	<b>SKft 1</b>	<b>SKft 2</b>	<b>SKft 3</b>	<b>SKft 4</b>	<b>SKft 5</b>	<b>SKft 6</b>	<b>SKft 7</b>	<b>SKft 8</b>	<b>SKft 9</b>
EC 1	+		+	+							+									+			+
EC 2	+	+	+						+		+									+			
EC 3	+	+	+	+					+		+									+			+
EC 4	+				+					+								+					
EC 5	+				+					+								+					
EC 6	+				+					+	+							+					
EC 7	+				+	+	+	+	+		+	+	+		+			+	+			+	
EC 8	+				+				+		+	+	+		+	+	+	+	+			+	
EC 9	+				+	+	+	+	+		+	+	+		+	+	+	+	+			+	
EC 10	+				+	+	+	+	+		+	+	+		+	+		+				+	
EC 11	+				+		+	+	+		+		+		+	+		+	+			+	
EC 12	+				+	+	+	+	+		+	+	+		+	+	+	+	+			+	
EC 13	+				+			+	+		+	+	+			+		+	+			+	
EC 14	+			+	+	+	+	+	+		+	+	+	+	+	+	+	+	+		+	+	+
EC 15	+	+	+		+		+		+		+			+			+	+					
EC 16	+	+			+	+				+		+	+		+		+	+	+		+	+	+
EC 17	+				+	+			+	+	+	+	+		+	+	+	+	+		+	+	
EC 18	+				+	+		+	+		+	+	+		+	+	+	+			+	+	+
EC 19	+				+	+		+	+	+			+		+		+	+	+		+	+	+

**The matrix of compliance of program learning outcomes with program competencies of the educational program of training applicants for the second (master's) level of higher education at the International University for the Humanities with**  
**FIELDS OF KNOWLEDGE - 22 Health care, SPECIALTY - 227 Therapy and rehabilitation, SPECIALIZATION - 227.01 Physical therapy**

	PRNft 1	PRNft 2	PRNft 3	PRNft 4	PRNft 5	PRNft 6	PRNft 7	PRNft 8	PRNft 9	PRNft10	PRNft11	PRNft12	PRNft13	PRNft14	PRNft15	PRNft16	PRNft17	PRNft18	PRNft19
EC 1				+								+			+	+	+		
EC 2				+		+					+	+		+		+	+	+	
EC 3	+			+		+					+	+		+	+	+	+	+	
EC 4	+		+														+	+	
EC 5	+		+														+	+	
EC 6	+		+														+	+	
EC 7		+			+		+	+	+	+	+	+	+	+					+
EC 8		+			+		+	+					+	+					+
EC 9		+			+		+	+	+	+	+	+	+	+	+				+
EC 10		+			+		+	+	+	+	+	+	+	+					+
EC 11	+	+		+	+	+	+					+	+	+	+	+		+	+
EC 12		+	+		+		+	+	+	+	+	+	+	+					+
EC 13		+	+		+		+	+	+	+									+
EC 14	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
EC 15				+		+			+			+		+	+	+	+	+	
EC 16	+	+			+		+	+	+	+	+	+	+	+					+
EC 17		+	+		+		+	+	+	+	+	+	+	+					
EC 18	+	+			+		+	+					+	+					+
EC 19	+	+			+		+			+	+	+							+

**The minimum necessary personnel and logistical support for the educational process at the second (master's) level of higher education in the specialty 227 Therapy and rehabilitation**

**I. Minimum equipment of the study room by specialization 227.01 Physical therapy :**

1. Therapeutic couches 120x200 cm - 2 units;
2. Stairs of different heights (5 cm, 10 cm, 15 cm);
3. Parallel adjustable bars;
4. Mobile mirror;
5. crutches,
6. sticks,
7. Walker;
8. Wheelchairs of different sizes and degrees of mobility;
9. Elastic harnesses with varying degrees of resistance;
10. Weights for limbs and fingers;
11. Platforms and discs for balance training,
12. Fitballs, etc.;
13. Mats, pillows, rollers, semi-rollers;
14. Cycle ergometer;
15. Stepper;
16. Dumbbells;
17. Swedish wall.

**II. Massage room equipment:** massage couches at the rate of 1 couch for 2-3 students in a group.

**III. Minimum equipment for teaching methods of measuring structural changes and impaired body functions:**

1. dynamometers;
2. pulse oximeters;
3. pinch meters;
4. devices for measuring pressure;
5. heart rate monitors;
6. calipers;
7. portable spirometers - 2-3 copies;
8. goniometers of various shapes and sizes; measuring centimeter tapes - at the rate of one copy per 2-3 students in the group;
9. 10-meter measuring tape; balance; height meter - one copy;
10. standardized tests and non-standardized therapeutic assessment kits.

**Components of examination and control of the patient's/client's physical condition therapist in case of disorders of the following systems:**

**1. Cardiovascular and respiratory systems Symptoms, syndromes and disorders:**

- cough
- dyspnea
- dizziness
- attack of dysentery
- pain
- activation of auxiliary respiratory muscles
- tachycardia
- cyanosis
- edema
- arrhythmia
- increased heartbeat
- weakened breathing
- hard breathing, pathological bronchial breathing
- crepitation, wheezing, pleural friction noise
- box percussion sound
- dull (dull) percussion sound
- tympanic percussion sound
- catarrhal changes
- increase in blood pressure
- lowering of blood pressure
- respiratory failure syndrome
- heart failure syndrome
- broncho-obstructive syndrome
- general intoxication syndrome
- broncho-pulmonary-pleural syndrome
- pulmonary heart
- accumulation of air in the pleural cavity
- accumulation of exudate in the pleural cavity
- pleural adhesions
- lung tissue collapse
- fibrosis, sclerosis

- destructive changes in the bronchi/lung tissue
- hyper-hypotonic crisis
- cardiac arrhythmias

**Means and methods of examination in physical therapy:**

- poll
- observation
- anthropometry
- palpation
- percussion
- auscultation
- functional tests
- spirometry
- pneumotachometry
- peak flowmetry
- pulse oximetry
- blood pressure measurement

**2. Musculoskeletal system Symptoms, syndromes and disorders:**

- pain
- swelling
- violation of the amplitude of movement
- decrease in muscle strength and muscle atrophy
- decrease in muscle endurance
- disturbance of balance and coordination
- violation of motor functions (squatting, walking, walking up stairs, trunk tilt, trunk rotation, grasping, pushing and pulling, lifting and carrying, and others)

**Means and methods of examination in physical therapy:**

- poll
- observation
- anthropometry
- palpation
- joint game
- determining the intensity and dynamics of pain
- assessment of active and passive movement
- measurement of the amplitude of movement in the joints (goniometry, etc.)

- determination of muscle strength (manual muscle testing, dynamometry, etc.)
- determination of muscular endurance
- determination of balance and coordination
- assessment of motor functions (squatting, walking, climbing stairs, trunk tilt, trunk rotation, grasping, pushing and pulling, lifting and carrying, and others)
- assessment of the condition of the stump

### **3. Neurological disorders Symptoms, syndromes and disorders:**

- pain
- swelling
- paresis and plegia
- muscle atrophy
- violation of muscle tone
- violation of the amplitude of movement
- sensitivity disorder
- disturbance of the state of consciousness
- impairment of cognitive functions
- impairment of visual functions and perception
- spatial-visual disorders
- decrease in muscle endurance
- disturbance of balance and coordination
- violation of motor functions (squatting, walking, walking up stairs, trunk tilt, trunk rotation, grasping, pushing and pulling, lifting and carrying, and others)

### **Means and methods of rehabilitation examination:**

- poll
- observation
- palpation
- assessment of joint mobility
- determination of muscle strength
- determination of the level and localization of sensitivity
- reflex testing
- determination of muscle tone
- determination of muscular endurance
- assessment of balance and coordination
- assessment of voluntary motor functions
- tests, scales to assess pain, motor functions and mobility

## Means and methods of intervention of physical therapy

### Violations of cardiovascular and respiratory systems

#### Means and methods:

- therapeutic exercises
  - respiratory
  - general developmental
  - aerobic nature
  - for stretching and relaxing muscles
- positioning
- respiratory gymnastics
- sound gymnastics
- manual manipulative interventions on the chest
- massage
- hardening agents and water procedures

### Disruption of the activity of the musculoskeletal system Means and methods:

- therapeutic exercises:
  - to reduce pain and swelling
  - on the development of strength
  - on the development of endurance
  - to support the range of motion
  - for flexibility
  - for joint mobilization (joint play)
  - to balance
  - for coordination
- training of motor skills and abilities (functional training: moving in bed, sitting skills, moving out of bed, getting up, standing, walking, using walking aids and a wheelchair, using prostheses, self-care and self-care)
- positioning
- massage
- postisometric relaxation
- preformed physical factors:
  - warm
  - cold

- water procedures
- preformed electrical energy

### **Violation of activity nervous system**

#### **Means and methods:**

- therapeutic exercises
  - with resistance (strength and endurance)
  - to support the range of motion
  - for the development/restoration of flexibility (stretching)
  - for the development/restoration of balance
  - on the development/restoration of coordination
  - for the development/restoration of fine motor skills
- training of motor skills and abilities (functional training: moving in bed, sitting skills, moving out of bed, getting up, standing, walking, using walking aids and a wheelchair, using orthoses, self-care and self-care)
- positioning
- breathing exercises
- manual manipulations on the chest
- massage