

MINISTRY OF HEALTH OF UKRAINE
KHARKIV NATIONAL MEDICAL UNIVERSITY

Department of sports, physical and rehabilitation medicine, physical therapy and
ergotherapy
Academic year 2022-2023

SYLLABUS OF THE ACADEMIC COMPONENT

«Basics of physiotherapy and exercise therapy»

Selective educational component

Form of education full-time

Field of science 22 «Health»

Specialty 223 «Nursing»

Education and professional program «Nursing»

The first (bachelor's) level of higher education

Course second

The syllabus of the educational
component was considered at the
meeting of the Department of sports,
physical and rehabilitation medicine,
physical therapy and ergotherapy
Protocol of
“31” August 2022 № 1

Head of department


A.G. Istomin

Approved by Methodical commission
of KhNMU of problems professional
training in pediatrics

Protocol of
“29” August 2022 № 1


Head


M.O. Gonchar

Developer of the syllabus::

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2. Latoguz S.I., associate Professor of the Department of sports, physical and rehabilitation medicine, physical therapy and ergotherapy, PhD, associate professor.

INFORMATION ABOUT TEACHERS OF THE EDUCATIONAL COMPONENT

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Information about the teacher	Professional interests: physical therapy, sports medicine, therapeutic massage, occupational therapy, manual therapy. Teacher profile: http://31.128.79.157:8083/user/profile.php?id=65
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Location	 <p style="text-align: right;">St. Alexander Speyer, 4</p>

INTRODUCTION

The syllabus of the educational discipline "Fundamentals of Physiotherapy and Physical Therapy" is compiled in accordance with the educational and professional program (hereinafter referred to as the "Nursing Program") and the Standard of Higher Education of Ukraine (hereinafter referred to as the Standard), first (bachelor's) level, field of knowledge 22 "Health Care ", specialty "Nursing"

Description of the academic discipline (abstract)

The basics of physiotherapy and physical therapy as an educational discipline is based on the study by students of the means and methods of physical therapy and physical therapy, teaches how to use physical therapy and physical therapy in practice to ensure the treatment and prevention of diseases and their complications.

The subject of studying the discipline is the formation of applicants with adequate ideas about their future activities, the peculiarities of the profession and those requirements that will be presented to the future specialist with a higher education. Medical universities should train comprehensively developed specialists who would have theoretical knowledge and practical skills and abilities to use various means of physiotherapy and exercise therapy in their work.

Interdisciplinary connections :

It is based on the basic knowledge, abilities, and skills acquired earlier in the study of human anatomy, human physiology, pathophysiology, obstetrics and gynecology, pediatrics, with which the "Fundamentals of Physiotherapy and Physical Therapy" program is integrated.

Prerequisites

"Fundamentals of physiotherapy and physical therapy" as an educational discipline is based on the study by students of human anatomy, medical biology, medical chemistry, medical and biological physics, physiology, pathophysiology, hygiene and ecology, pharmacology, propaedeutics of pediatrics and is integrated with these disciplines; ensures consistency and relationship with traumatology and orthopedics, neurology, pediatrics, obstetrics and gynecology and other subjects of the curriculum, which involves the integration of teaching with these disciplines.

Post-requisites

The main provisions of the academic discipline must be applied when studying related disciplines during 4 years of study, it is the basis for preparing for the "Step B" licensing integrated exam, preparation for studying in institutions of higher education on programs of the second master's level of higher education.

1. PURPOSE AND OBJECTIVES OF THE EDUCATIONAL DISCIPLINE

1.1. The purpose of the study of the academic discipline is the acquisition by students of knowledge about the mechanisms of action of therapeutic physical factors, indications and contraindications, the rules of their appointment in various diseases, the acquisition by students of higher education of knowledge about the possibilities of using physical therapy at various stages of treatment and rehabilitation for the most effective and early return of patients and people with disabilities to household and work processes.

1.2. The main tasks of studying the discipline are:

- formation of knowledge on the theoretical foundations of the use of physiotherapy in Ukraine and abroad;
- mastering the essence, content, principles of prescribing physiotherapy;
- mastering the methods and techniques of physiotherapy;
- acquiring knowledge about safety techniques and acquiring practical skills when working with basic physiotherapy equipment;
- carrying out restorative treatment of persons engaged in physical culture and sports after illnesses and injuries;
- selection of the optimal movement mode and dose of physical exertion during rehabilitation treatment of patients;
- prescribing the optimal mode of motor activity, passive and active physical exercises, other means of physical rehabilitation for patients depending on the clinical course of the disease, concomitant pathology, as well as taking into account the individual characteristics of the body at different stages of physical rehabilitation;
- differentiated appointment of means and forms of physical rehabilitation, as well as justifying the choice of special exercises and their dosage for diseases of internal organs, in surgery, orthopedics and traumatology, obstetrics and gynecology.
- conduct physical therapy classes in different periods for different diseases;
- correctly evaluate the results of rehabilitation measures.

1.3. Competencies and learning outcomes, the formation of which is facilitated by the discipline (relationship with the normative content of the training of higher education applicants, formulated in terms of learning outcomes in the OPP and the Standard).

1.3.1. The study of the academic discipline ensures that students acquire the following **competencies**:

integral:

A bachelor of nursing is able to solve complex specialized tasks and practical problems in the field of nursing or in the learning process, which involves the application of certain theories and methods of the relevant science and is characterized by the complexity and uncertainty of conditions.

general:

GC 01. The ability to realize one's rights and responsibilities as a member of society, to realize the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of a person and a citizen in Ukraine.

GC 02. The ability to preserve and multiply moral, cultural, scientific values and achievements of society based on understanding the history and patterns of the subject area development, its place in the general system of knowledge about nature and society, in the development of society, technology and technology; the ability to use various types and forms of motor activity for active recreation and leading a healthy lifestyle.

GC 03. Ability to abstract thinking, analysis and synthesis.

GC 06. Ability to communicate in the national language both orally and in writing.

GC 07. Ability to communicate in a foreign language.

GC 08. Skills in using information and communication technologies.

GC 09. Determination and persistence in relation to assigned tasks and assumed responsibilities.

GC 10. Ability to make informed decisions.

GC 11. Ability to work in a team.

GC 12. Interpersonal skills.

GC 13. Ability to act on ethical grounds.

special (professional, subject):

PC 01. The ability to apply professional and legal standards in daily professional practice.

PC 02. The ability to recognize and interpret signs of health and its changes, illness or disability (assessment/diagnosis), limitations of the possibility of full-fledged life activities, and to determine the problems of patients with various diseases and conditions.

PC 03. The ability to meet the needs of the patient/client throughout the lifetime (including the dying process) by planning, assisting and executing nursing interventions, evaluating and correcting individual care plans created in collaboration with the patient/client, caregivers, family members and other medical and social workers.

PC 04. Application of professional skills (abilities), medical means, interventions and actions to ensure the patient/client's with dignity, privacy (intimacy), confidentiality, protection of his rights, physical, psychological and spiritual needs on the basis of transcultural nursing, tolerant and non-judgmental behavior.

PC 05. The ability to effectively apply a combination of nursing skills (abilities), medical supplies, interventions and actions to ensure care based on a holistic approach, taking into account the satisfaction of the patient's needs for comfort, nutrition, personal hygiene and the ability of the individuals to meet their daily needs.

PC 06. The ability to effectively apply a set of professional skills (abilities), medical supplies, interventions and actions in assessing the functional status of patients/clients, preparing them for diagnostic examinations and taking biological material for laboratory examinations.

PC 07. Preservation of specialist's own health in the implementation of care, performing manipulations and procedures, when moving and transporting the patient/client.

PC 08. Preventive activities of a nurse aimed at preserving and strengthening health, preventing diseases, informing, and educating the patient and his family members.

PC 09. The ability to organize, implement and control the nursing process in palliative and hospice care.

PC 10. The ability to organize the provision of medical care according to the principle of the family medicine.

PC 11. The ability to execute the medical and social rehabilitation in order to restore the population health.

PC 12. The ability to orientate in determining the group belonging of drugs, the peculiarities of their pharmacokinetics and pharmacodynamics.

PC 13. The ability to identify the relationship between clinical manifestations of diseases and the results of additional methods of examinations.

PC 14. The ability to organize and provide emergency care in various acute conditions.

PC 15. The ability to organize and provide emergency assistance in peacetime and wartime emergencies.

PC 16. The ability to organize and manage the relevant structural unit (leadership and management).

1.3.2. The study of the academic discipline ensures acquisition by the acquirers the following **program learning outcomes**:

PLO 1. Conduct a nursing subjective and objective examination of various organs and systems of the patient and evaluate the obtained data.

In the conditions of health care facilities and at home, by communicating with patients of different ages, their relatives or close friends, a sick child and his parents, be able to collect complaints, disease history, life history, allergic history, epidemiological history, evaluate anamnestic data.

PLO 2. Conduct nursing diagnosis: identify and assess patient problems. In the conditions of health care facilities, at home, predictable circumstances, to be able to identify the real problems of the patient, assess their priority and establish a nursing diagnosis.

PLO 3. Plan nursing interventions. In the conditions of health care facilities, at home and under unforeseen circumstances, be able to make a plan of nursing interventions to solve real and related problems of patients of various ages.

PLO 4. Monitor the work of junior medical staff and the state of inventory.

PLO 5. Execute nursing administration.

PLO 6. To ensure a healthy microclimate in the team, using the principles of nursing ethics and deontology, the rules of interpersonal communication in order to create a favorable psychological microclimate.

PLO 7. To participate in the monitoring of healthy and sick population, rehabilitation and dispensary supervision.

PLO 8. To perform medical manipulations in order to ensure a sanitary and anti-epidemic regime.

PLO 9. Correctly perform medical manipulations in order to ensure the personal hygiene of the patient.

PLO 10. To perform the simplest methods of physiotherapy.

PLO 11. To coordinate activities using a combination of multiple skills to ensure patient nutrition.

PLO 12. Correctly perform medical manipulations in order to take measures to stabilize the functional state of the body.

PLO 13. To prescribe, store and apply pharmacological agents.

PLO 14. Be able to prepare the patient, collect and send biological material for laboratory and instrumental examinations.

PLO 15. To provide an emergency medical care based on the diagnosis of an emergency.

PLO 16. The ability to be accurate in performing interdependent nursing functions.

PLO 17. To plan and execute a preventive and an anti-epidemic measures for infectious diseases.

PLO 18. To organize and conduct training of patients and their family members on medical issues.

PLO 19. To conduct medical and hygienic propaganda.

PLO 20. Properly maintain appropriate medical records.

1.3.3. The study of the academic discipline ensures acquisition by the acquirers the following **social skills (Soft skills)**:

Communication – the ability to speak, write, present, listen.

Courtesy - manners, etiquette, business etiquette, I say please and thank you, respectfully.

Flexibility - adaptability, willingness to change, lifelong learning, accepts new things, adjusts, teaches.

Integrity - honest, ethical, high morality, has personal values.

Interpersonal skills - pleasantness, attractiveness, sense of humor, friendliness, politeness, empathy, self-control, tolerance, sociability.

Positive attitude - optimistic, enthusiastic, encouraging, happy, confident.

Professionalism - businesslike, well-dressed.

Responsibility - accountable, reliable, gets the job done, resourceful, self-disciplined, wants to do well, conscientious, common sense.

Teamwork - cooperative, working together with others, pleasant, favorable, useful, cooperative.

Work ethics - hardworking, ready to work, loyal, proactive, motivated on time.

2. INFORMATION VOLUME OF THE EDUCATIONAL DISCIPLINE

Name of indicators	Field of training, educational and qualification level, EPP	Characteristics of the academic discipline	
		full-time education	
The number of credits is 3	22 "Health care"	<u>Selective</u>	
The total number of hours is 90	Specialty: 223 "Nursing" (code and name) Specialization:	Year of preparation:	
		2nd	-
		Semester	
		4th	
Hours for day (or evening) form of	Educational degree: the first bachelor's degree	Lectures	
		-	-
		Practical, seminar	
		36 hours	-

education: classroom hours – 3 2 independent student work - 58	EPP "Nursing"	Independent work	
		54 hours	-
		Individual tasks: -	
		Type of control: settlement	

2.1. Description of the discipline

2.2.1 Practical classes

№	Topic	Number of hours	Teaching methods	Forms of control
1.	Medicinal use pulsed currents of high voltage and low power (darsonvalization and ultrasonotherapy), electric fields (Franklinization, electrostatic massage, infitaterapie, ultra-high frequency therapy), electromagnetic radiation (decimeter wave, centimeter-wave and millimeter wave therapy).	4	Story-explanation	Oral survey (individual)
2.	Therapeutic use of magnetic fields (permanent magnetotherapy, pulsed high-intensity magnetotherapy, low-frequency magnetotherapy).	4	Demonstration	Oral survey (individual)
3.	Therapeutic - prophylactic use of optical radiation (phototherapy).	2	Discussion	Oral survey (individual)
4.	Medicinal use mechanical factors (vibroacoustic therapy, ultrasound therapy, ultraphonophoresis).	4	Story-explanation	Oral survey (individual)
5.	Aerosol and electroaerosol therapy. Features of the action of air space factors (barotheraia, normobaric hypoxic therapy, halotherapy).	4	Demonstration	Oral survey (individual)

6.	Hydrotherapy (hydrotherapy and balneotherapy).	2	Demonstration	Oral survey (individual)
7.	Heat and cold treatment (paraffin therapy, general cryotherapy and local hypothermia).	2	Demonstration	Oral survey (individual)
8.	General basics of physical rehabilitation. The structure and content of physical therapy complexes. Basics of therapeutic massage. Receptions	4	Story-explanation	Oral survey (individual)
9.	Exercise therapy for respiratory, digestive, kidney and metabolic disorders. Exercise therapy for diseases of the cardiovascular system.	4	Story-explanation	Oral survey (individual)
10 .	Physical therapy in surgery, traumatology and orthopedics.	2	Story-explanation	Oral survey (individual)
11 .	Peculiarities of the use of exercise therapy in obstetrics and gynecology.	2	Story-explanation	Oral survey (individual)
1 2 .	Physical therapy for sick young children	2	Story-explanation	Oral survey (individual)
	Hours in general	36		

2.2. 2 . Independent work

№	Topic	Number of hours	Teaching methods	Forms of control
1	Preparation for practical classes and assessment. Development of educational literature, drawing up a detailed plan of answers to the questions of the topic of each practical lesson	58	Story-explanation	Oral survey (individual)
	Hours in general	54		

3. EVALUATION CRITERIA

3.1. The evaluation of the educational success of education seekers is carried out on the basis of the current "Instructions for evaluating the educational activity of education seekers of the Khznological State University"

Assessment system and requirements (types of control, methods of control, forms of control, criteria for assessing the level of knowledge, conditions for admission to the

final control)

When studying the discipline, current and final semester control is used. Also, there is a mandatory control of assimilation of the educational material of the discipline assigned to independent work.

Current control (mastery of individual topics) is carried out in the form of an oral survey, testing, interview of applicants on predetermined issues, in the form of presentations by applicants of higher education with reports during the discussion of educational issues in practical classes.

In order to evaluate the independent work of students, an alternative option is offered (*by choice*): traditional types of tasks: writing a test, an essay, or creative types: preparing a multimedia presentation, or working with educational literature (writing an abstract, reviewing, citing, theses of primary sources, supplementing lectures).

The final semester control in the discipline is a mandatory form of control of educational achievements of students of higher education. It is performed orally. The terms of the final semester control are established by the schedule of the educational process, and the amount of educational material submitted for the final semester control is determined by the work program of the discipline.

Final semester control is conducted after completing the study of the discipline in the form of credit:

- assessment - conducted by the teacher of the academic group at the last lesson in the discipline and involves taking into account the PND and checking the mastery of all topics in the discipline. The evaluation of the test (or transitional test) is determined in points from 120 to 200 and the mark of the test - "passed", "failed".

Evaluating the success of the study of applicants according to the ECTS of the organization of the educational process (credit)

Recalculation of the average grade for the current activity into a multi-point scale (for disciplines ending with credit)

4-point scale	200-point scale	4-point scale	200-point scale	4-point scale	200-point scale
5	200	4.22-4.23	169	3.45-3.46	138
4.97-4.99	199	4.19-4.21	168	3.42-3.44	137
4.95-4.96	198	4.17-4.18	167	3.4-3.41	136
4.92-4.94	197	4.14-4.16	166	3.37-3.39	135
4.9-4.91	196	4.12-4.13	165	3.35-3.36	134
4.87-4.89	195	4.09-4.11	164	3.32-3.34	133
4.85-4.86	194	4.07-4.08	163	3.3-3.31	132
4.82-4.84	193	4.04-4.06	162	3.27-3.29	131
4.8-4.81	192	4.02-4.03	161	3.25-3.26	130
4.77-4.79	191	3.99-4.01	160	3.22-3.24	129
4.75-4.76	190	3.97-3.98	159	3.2-3.21	128
4.72-4.74	189	3.94-3.96	158	3.17-3.19	127
4.7-4.71	188	3.92-3.93	157	3.15-3.16	126
4.67-4.69	187	3.89-3.91	156	3.12-3.14	125
4.65-4.66	186	3.87-3.88	155	3.1-3.11	124
4.62-4.64	185	3.84-3.86	154	3.07-3.09	123
4.6-4.61	184	3.82-3.83	153	3.05-3.06	122
4.57-4.59	183	3.79-3.81	152	3.02-3.04	121
4.54-4.56	182	3.77-3.78	151	3-3.01	120
4.52-4.53	181	3.74-3.76	150	Less than 3	Not enough

4.5-4.51	180	3.72-3.73	149
4.47-4.49	179	3.7-3.71	148
4.45-4.46	178	3.67-3.69	147
4.42-4.44	177	3.65-3.66	146
4.4-4.41	176	3.62-3.64	145
4.37-4.39	175	3.6-3.61	144
4.35-4.36	174	3.57-3.59	143
4.32-4.34	173	3.55-3.56	142
4.3-4.31	172	3.52-3.54	141
4.27-4.29	171	3.5-3.51	140
4.24-4.26	170	3.47-3.49	139

3.2. Control questions:

1. Define the main principles of the organization of physiotherapy services in Ukraine
2. How the physiotherapy department is organized.
3. What are the performance indicators of physiotherapy institutions.
4. Tell about ethics and deontology in physiotherapy.
5. How to correctly assign staff to the physiotherapy department.
6. What regulatory documents should be in the physiotherapy department?
7. Peculiarities of work of physiotherapeutic nurses in departments.
8. Who has the right to work in physiotherapy departments?
9. Can a doctor who does not have special training prescribe physical methods of treatment?
10. In what form is a medicinal substance introduced into the body during the electrophoresis procedure?
11. Name the device used for medicinal electrophoresis.
12. Define the diadynamotherapy method.
13. What is the duration of the analgesic effect of a single diadynamotherapy procedure?
14. What is the "carrier" frequency of amplipulse therapy?
15. How is the current strength dosed during amplipulse therapy?
16. What characterizes the concept of "type of work" in amplipulse therapy?
17. Name the device used for UHF therapy and the algorithm for working with it?
18. Define the method of microwave therapy.
19. What is the duration of the analgesic effect of a single procedure of UHF therapy?
20. What is the oscillatory effect of UHF therapy?
21. How is the procedure dosed during UHF therapy?
22. What characterizes the concept of short-wave therapy?
23. Name the device used for magnetic therapy and the algorithm for working with it.
24. Define the magnetotherapy method.
25. What is the duration of the magnetic therapy procedure?
26. What is the value of magnetic induction in portable devices for magnetotherapy?
27. How is magnetic therapy dosed?

28. What characterizes magnetic induction?
29. Define light.
30. Define the term "laser therapy".
31. Define the term "Thalasotherapy".
32. Define diode light.
33. What is a "hydrolaser"?
34. Define polarized light.
35. Define light therapy.
36. What are the contraindications to using vibrotherapy?
37. What is the total duration of the vibromassage procedure?
38. What devices are used for local barotherapy?
39. What is the optimal time interval between courses of local barotherapy?
40. How does a course of hypobarotherapy affect the body's resistance to various environmental factors?
41. Which of the listed diseases are contraindicated for the appointment of hyperbarotherapy?
42. What does the word "aerosol" mean?
43. What is the dispersed phase of an aerosol?
44. What is a dispersed medium?
45. How are dispersion aerosols formed?
46. What equipment is prescribed for aerosol therapy?
47. _ What are the features of ultrasonic inhalers?
48. What medicinal substances are used in aerosol therapy?
49. What are nebulizers?
50. Physical exercises are the main means of physical rehabilitation. Mechanisms of therapeutic effect of physical exercises. Classification of physical exercises.
51. Indications and contraindications for prescribing therapeutic gymnastics.
52. Modes of motor activity. Indications for the appointment of movement modes at the inpatient, sanatorium and outpatient polyclinic stages of rehabilitation, their tasks and content.
53. Indications and contraindications for the appointment of exercise therapy in diseases of the cardiovascular system.
54. Tasks and features of exercise therapy in myocardial infarction with a list of special exercises.
55. Tasks and features of the exercise therapy technique for ischemic heart disease with a list of special exercises.
56. Tasks and features of exercise therapy in hypertension and hypotension with a list of special exercises.
57. Indications and contraindications for the appointment of exercise therapy for bronchopulmonary pathology.
58. Tasks and features of exercise therapy in acute bronchitis and pneumonia with a list of special exercises.
59. Tasks and features of the exercise therapy technique for chronic bronchitis, bronchial asthma and pleurisy with a list of special exercises.

60. Indications and contraindications for prescribing exercise therapy for diseases of the digestive organs.

61. Tasks and features of the exercise therapy technique for chronic gastritis and duodenal ulcer with a list of special exercises.

62. Indications and contraindications for the appointment of exercise therapy in kidney diseases and metabolic disorders. Peculiarities of physical therapy techniques for obesity and diabetes.

63. Indications and contraindications for the appointment of exercise therapy in surgery.

64. Tasks and peculiarities of the exercise therapy technique in the preoperative and postoperative periods during surgical interventions on the organs of the abdominal cavity depending on the movement regime and the course of the postoperative period with a list of special exercises.

65. Tasks and peculiarities of the exercise therapy technique in the preoperative and postoperative periods during surgical interventions on the organs of the chest cavity depending on the movement regime and the course of the postoperative period with a list of special exercises.

66. Indications and contraindications for the use of exercise therapy for injuries of the musculoskeletal system.

67. Tasks and methods of exercise therapy depending on the period (immobilization, post-immobilization, restorative) and treatment method. Justification of the choice of means and forms of exercise therapy.

68. Indications and contraindications for the use of exercise therapy for orthopedic disorders in children.

69 . Peculiarities of the technique and special exercises for flat feet, posture disorders and scoliosis depending on its degree.

70. Features of the technique and special exercises for congenital muscular torticollis, congenital dislocation of the hip.

71. Indications and contraindications for the use of exercise therapy in neurological diseases.

72. Tasks and features of the exercise therapy technique in acute cerebral circulation disorders (stroke), positional treatment, special exercises.

73. Peculiarities of exercise therapy for closed and open brain injuries.

74. Modern technologies of exercise therapy for children with cerebral palsy.

75. Indications and contraindications for the use of exercise therapy in diseases and injuries of the peripheral nervous system.

76. Peculiarities of exercise therapy for facial neuritis, special physical exercises.

77. Separate methods of therapeutic gymnastics for neuritis of the ulnar and radial nerves, sciatica.

78. Physical therapy for traumatic injuries of the spinal cord.

79. Peculiarities of the method of using physical exercises for women with a normal course of pregnancy depending on the trimester.

80. Peculiarities of the method of applying physical exercises during childbirth and the postpartum period.

81. Indications and contraindications for prescribing exercise therapy in gynecological practice.

82. Tasks and features of exercise therapy in chronic inflammatory diseases of the female genital organs, anomalies of the uterine position, in disorders of menstrual function and functional urinary incontinence.

83. Tasks and features of therapeutic gymnastics in young children with acute pneumonia.

84. Tasks and features of therapeutic gymnastics in young children with rickets and hypotrophy.

3.3. Individual tasks :

1. Preparation of an essay on topics for independent study (5 points).

2. Carrying out an independent fragment of scientific research (10 points).

3. Search and development of educational and scientific-methodological resources on topics for independent study (5 points).

4. Preparation of a scientific report at a meeting of a scientific circle and/or a scientific-student conference (10 points).

5. Participation in the inter-university and/or all-Ukrainian discipline Olympiad (10 points).

6. Preparation of scientific publications: theses from collections of scientific and practical conferences, collections of scientific works, articles in specialized scientific publications (10 points).

3.4. Rules for challenging the assessment

A student's appeal regarding the grade (number of points) received at the KHNMU test must be submitted in person no later than the next working day after the grade announcement.

The appeal is considered no later than the next day after its submission in the presence of the student.

Additional questioning of the student during the review of appeals is not allowed.

The procedure for submitting and considering the appeal must be made public and brought to the attention of the student no later than 7 days before the beginning of the exams.

4. POLICY OF DISCIPLINE

Discipline requirements .

Written and homework assignments must be completed completely and on time, if applicants have questions, they can contact the teacher in person or by e-mail, which the teacher will provide at the first practical session.

During the lecture class, students are recommended to keep a summary of the class and maintain a sufficient level of silence. Asking questions to the lecturer is absolutely normal.

Practical training

Active participation during the discussion in the classroom, students should be ready to understand the material in detail, ask questions, express their point of view, discuss. During the discussion, the following are important:

- respect for colleagues,

- tolerance for others and their experiences,
- receptivity and impartiality,
- the ability to disagree with the opinion, but respect the personality of the opponent,
- thorough reasoning of one's opinion and the courage to change one's position under the influence of evidence,
- self-expression, when a person avoids unnecessary generalizations, describes his feelings and formulates his wishes based on his own thoughts and emotions,
- mandatory acquaintance with primary sources.

A creative approach in its various manifestations is welcome. Applicants are expected to be interested in participating in city, all-Ukrainian and international conferences, competitions and other events related to the subject profile.

Attendance and behavior .

Students are expected to attend all lectures and practical sessions. If they missed the class, it is necessary to complete it (according to the schedule on the information stand of the department).

It is important for students to follow the rules of appropriate behavior at the university. These rules are general for everyone, they also apply to all teaching staff and employees, and do not fundamentally differ from generally accepted norms.

During classes it is allowed:

- leave the audience for a short time if necessary and with the teacher's permission;
- drink soft drinks;
- take photos of presentation slides;
- take an active part in the course of the lesson.

prohibited:

- eat (with the exception of persons whose special medical condition requires otherwise - in this case, medical confirmation is required);
- smoking, consuming alcoholic and even low-alcohol drinks or narcotic drugs;
- speak obscenely or use words that insult the honor and dignity of colleagues and teaching staff;
- play gambling games;
- damage the material and technical base of the university (damage inventory, equipment, furniture, walls, floors, litter premises and territories);
- make noise, shout or listen to loud music in the classrooms and even in the corridors during classes.

Use of electronic gadgets .

The use of electronic gadgets is the main and powerful source of information for studying the course, adaptable to modern requirements and contributes to entering the modern European educational space. Gadgets provide constant feedback: "teacher-student", "student-student", "student-group of achievers".

5. ACADEMIC INTEGRITY

Academic Integrity Policy .

The Department of Physical Rehabilitation and Sports Medicine with the Physical Education and Health Course supports zero tolerance for plagiarism. Applicants are

expected to have a desire to constantly improve their academic writing skills. In the first classes, information activities will be held on what exactly is considered plagiarism and how to correctly conduct a research and scientific search.

6. RECOMMENDED LITERATURE

Basic

1. Вакуленко Л.О. Основи реабілітації, фізичної терапії, ерготерапії / Л.О. Вакуленко та інші. - Видавництво: Укрмедкнига, 2023 – 372 с.
2. Заваріка Г.М. Курортна справа: Навчальний посібник. – К.: Центр учбової літератури, 2018. – 264 с.
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1. Грязелікування (навч. посібник для самост. роботи): Бондаренко С.В., Калюжка А.А.- Харків: ТОВ «Друкарня Мадрид», 2018.- 42 с.
2. Григус І.М., Нагорна О.Б. Основи фізичної терапії / І.М. Григус, О.Б. Нагорна - Видавництво: Олді+, 2022 – 150 с.
3. Основи внутрішньої медицини та фізичної реабілітації / за ред. Швед М.І. - Видавництво: Укрмедкнига, 2021 – 412 с.
4. Фізичні фактори в медичній реабілітації хворих на серцево-судинні захворювання (навч. – метод. посібник): Роздільська О.М., Зінченко О.К., Тондій Л.Д., Васильєва – Лінецька Л.Я., Нечипуренко О.М., Калюжка А.А.; за заг. ред. проф. Роздільської О.М.- Харків: Видавництво «Точка», 2017. - 136 с.

7. INFORMATION RESOURCES

1. Link to the page of the academic discipline in MOODLE -

2. Provisions on the prevention, prevention and settlement of cases related to sexual harassment and discrimination at KhNMU

http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/polog-sex.doc

3. Regulations on academic integrity and ethics of academic relationships at the Kharkiv National Medical University

http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/polog_ad_etyka_text.pdf

4. The procedure for conducting classes on in-depth study by students of the Kharkiv National Medical University of certain disciplines beyond the scope of the curriculum http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/nak-poriad-pogl-vyv-dyisc.docx

5. Provisions on the Commission on Academic Integrity, Ethics and Conflict Management of KhNMU

http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/polog_komis_ad_text.pdf

6. Regulations on recognition of the results of non-formal education at the Kharkiv National Medical University

http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/polog_neform_osv.pdf

7. INCLUSIVE EDUCATION:

http://www.knmu.kharkov.ua/index.php?option=com_content&view=article&id=7108%3A2021-03-10-14-08-02&catid=12%3A2011-05-10-07-16-32&Itemid=33&lang=en

8. ACADEMIC CHARITY:

http://www.knmu.kharkov.ua/index.php?option=com_content&view=article&id=2520%3A2015-04-30-08-10-46&catid=20%3A2011-05-17-09-30-17&Itemid=40&lang=en

8. OTHER -