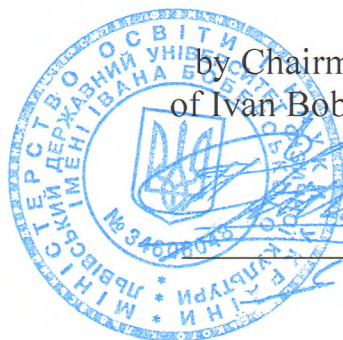


MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
IVAN BOBERSKYI LVIV STATE UNIVERSITY OF PHYSICAL CULTURE



Approved
by Chairman of the Admissions Board
of Ivan Boberskyi Lviv State University
of Physical Culture

Yevhenii PRYSTUPA

April, 10, 2023



PROGRAMME

of professional entrance examination

in Therapy and rehabilitation

for obtaining the second (Master's) level of higher education

in the subject area 227 **“Therapy and rehabilitation”**

Considered and approved
at the meeting of the Admissions Board
of Ivan Boberskyi Lviv State University
of Physical Culture
record No 6, April, 10, 2023

Lviv – 2023

EXPLANATORY NOTE

The exam is designed to identify the level of theoretical knowledge and practical skills acquired by students while studying at the educational qualification level "bachelor". It includes situational tasks in the following courses: "Physical rehabilitation for disorders of the musculoskeletal system", "Physical rehabilitation for disorders of the respiratory system". While answering the questions, students should also use the knowledge acquired during the course "Introduction to Physical Rehabilitation".

The exam is conducted in the form of interviewing based on the exam card.

Grades are given according to a 200-point scale.

According to the Rules of Enroling to the Ivan Boberskyi Lviv State University of Physical Culture, the minimum number of points for admission to the competition for enrolment obtained by the exam is 100 points for full-time and part-time study.

An enlisting person who has a grade of less than 100 points is not allowed to participate in the competition for enrolment. If an enlisting person does not show up or refuses to pass the standards - points are not accrued, the enlisting person is deprived of the right to further participate in the qualifying exam and competition for enrolment in the Ivan Boberskyi Lviv State University of Physical Culture.

CONTENT OF THE PROGRAMME

Section "Introduction to Physical Rehabilitation"

1. General information on physical rehabilitation.
2. Keeping medical records and interviewing the patient.
3. Principles of location and transfer of the patient.
4. The use of passive and active exercises.
5. Control over vital signs.
6. Basics of infection control and rules of first aid.
7. Adaptation of the environment to the needs of the disabled and the principles of the survey of their living conditions.

Section "Physical rehabilitation for musculoskeletal disorders"

1. Fundamentals of anatomy and biomechanics. Arthrokinematics. Biomechanical properties of tissues.
2. Examination of the musculoskeletal system.
3. Means and methods of physical rehabilitation for disorders of the musculoskeletal system.
4. Physical rehabilitation for traumatic injuries and diseases of the musculoskeletal system.
5. Physical rehabilitation for amputations and thermal injuries.

Section "Physical rehabilitation for respiratory disorders"

1. Anatomy of the respiratory system and physiology of respiration.
2. Pathological physiology of respiration.
3. Examination of patients with lesions of the respiratory system.
4. Physical rehabilitation of patients with lesions of the respiratory system.

Situational tasks

Situational tasks contain a brief excerpt from the patient's medical history and include, in particular: the course "Physical rehabilitation for musculoskeletal

disorders" - physical rehabilitation of patients with diaphyseal, intra-articular fractures, pelvic fractures, hip fractures, scoliosis, osteochondrosis, osteochondrosis with burns and frostbite, with soft tissue injury; from the course "Physical rehabilitation for disorders of the respiratory system" - physical rehabilitation of patients with pneumonia, chronic bronchitis, bronchial asthma, pneumothorax.

When solving a situational problem, the student must answer the following four blocks of tasks:

1. What anatomical and physiological abnormalities will the patient show?
2. What methods of examination will be used and what for?
3. Identify the main problems of the patient, set short-term and long-term goals of physical rehabilitation.
4. Choose the necessary tools and methods to perform the tasks set during physical rehabilitation.

EVALUATION CRITERIA

Competence levels	Points	Criteria
I. Initial	0-69	In his/her answer, the enlisting person does not demonstrate knowledge of the basic program material; does not focus on program issues; does not know the basic library resources.
	70-99	In his/her answer, the enlisting person has significant shortcomings in the knowledge of the main program material; insufficiently oriented in the issues of the program; made fundamental mistakes; made mistakes in forming the main issues of the answer; partially mastered the program material.
II. Average	100-135	In his/her answer, the enlisting person demonstrated knowledge of the basic program material, but made some mistakes in forming the main issues of the answer; not fully mastered the program material.
III. Sufficient	136-149	The enlisting person demonstrated knowledge of the program material; mastered the basic literature; constructed the answer somewhat incorrectly, admitted inconsistencies in the presentation of the material, did not emphasize the key points.
	150-163	The enlisting person demonstrated knowledge of the program material; mastered the basic literature; correctly constructed the answer, but admitted logical inconsistencies in the presentation of the material, or did not emphasize the key points.
IV. High	164-179	In his/her answer, the enlisting person demonstrated knowledge of the program material; demonstrated the ability to analyze the generalization of key points and knowledge of the main literature, superficial knowledge of additional library resources.
	180-200	In his/her answer, the enlisting person demonstrated all-round , systematic, and profound knowledge of the program material; demonstrated ability of creative analysis of key points, and knowledge of basic and additional library resources.

LIST OF BASIC AND ADDITIONAL LITERATURE

1. Akosh K., Akosh M. Help for children with cerebral palsy. M .: Ulysses, 1994. - 251 p.
2. Axelson P., Chesny D.Ya., Minkel J., Perr A. Manual for training a user in a wheelchair with a manual drive. Lviv: Misioner, 2002. - 172 p.
3. Axelson P., Chesny D.Ya., Minkel J. Guide to choosing a wheelchair. Lviv: Misioner, 2002. - 72 p.
4. Berezovsky B. A., Lominoga S. I. Therapeutic exercise for respiratory diseases. K .: Zdorov "ya, 1990. -104 p.
5. Biryukov A. A. Therapeutic massage. Kyiv: Olympic Literature, 1995.
6. Respiratory diseases. Guide for doctors under the general editorship of Academician Paleev N. R. M .: Medicine, 1990.
7. Werner D. Rehabilitation of children with disabilities. M .: Philanthropist, 1995. - 643p.
8. Vovkanych A. S. Introduction to physical rehabilitation. Lviv: Ukrainian Technologies, 2008. - 200 p.
9. Gody R. L., Spite D. W., Simon R. R. Emergency orthopedics (spine). M .: Medicine, 1995.
10. Jaeger LaVonne Carrying and lifting children and adolescents. Lviv: Nautilus, 2000. - 27 p.
11. Diamond R. V. Exercises for children: how to act at home for parents of young children. Lviv: Nautilus, 2000. - 112 p.
12. Ivasyk N. O. Physical rehabilitation in case of respiratory disorders. Lviv: Ukrainian Technologies, 2007. - 165 p.
13. Krasnov A. F., Arshin V. M., Arshiyu VV Traumatology / Handbook /. Rostov-on-Don: Phoenix, 1998. - 602 p.
14. Therapeutic exercise in the system of medical rehabilitation: A guide for doctors / Ed. A. F. Kaptelina, Ph.D. I. P. Lebedeva. Moscow: Medicine, 1995.
15. Therapeutic physical education and sports medicine / Ed. V. V. Klapchuk, Prof. G. V. Dzyak. Kyiv: Health. 1995
16. Mukhin V. M. Physical rehabilitation. K .: Olympic Literature, 2000. - 424p.

17. Okamoto G. "Fundamentals of physical rehabilitation. Lviv: Halytska vydavnycha spilka, 2002. - 294 p.
18. Oleksa A. P. Traumatology and orthopedics. K .: Higher school, 1993. - 511p.
19. Pathological physiology. Under ed. Prof. Zaika M. N. and Bytsya Yu.V. K .: Higher school, 1995. - 348
20. Perkhurova I. S., Luzinovich V. M., Sologubov E. G. Regulation of walking posture and some methods of correction. M .: Book Chamber, 1996. - 291 p.
21. Pfau D. Home exercises for adult rehabilitation. Lviv: Nautilus, 2000. - 46 p.
22. Physical rehabilitation: Textbook for academies and institutes of physical culture / Edited by Prof. S. N. Popov. Rostov-on-Don: Phoenix, 1999.
23. Yumashev G. S. Traumatology and orthopedics. M .: Medicine, 1990. - 576p.