

### Working Group on the Educational Program

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**Abbreviations:**

NQF - National Qualifications Framework

SQF – Sectoral Qualification Framework

ISCE - International Standard Classification of Education

OP - Educational Program

WC - Work Curriculum

CED - Catalog of elective disciplines

RE- Results of education

ICT - Information and Communication Technology

Mt- Midterm

CC - Current Control

FC - Final Control

GED- General educational disciplines

BD- Basic disciplines

PD - Profile disciplines

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## INTRODUCTION

The Educational Program (hereinafter - the EP) is a normative document of a conceptual nature, based on the goals and values of university education, containing general information about the professional activities of graduates, the goals and objectives of the EP, model of the graduate, the expected learning outcomes and their assessment and ways of organizing the educational process, the content of the program.

The main directions of the EP:

- implementation of the educational policy of the university;
- introduction of trilingual education by organizing the educational process in Kazakh, Russian and English;
- improving the quality of the learning process based on the competence approach;
- readiness of learners for self-education throughout their lives;
- formation of students' worldview, development of their creativity, communication, critical thinking, research and information skills.

EP is the basis for the development of the following documents:

- Catalog of elective disciplines (CED);
- Academic calendar of the educational process;
- Individual curriculum (IC);
- The working curriculum (WC);
- Working curriculum disciplines (syllabus);
- Educational and methodical complexes of disciplines (EMCD);
- expected learning outcomes in the disciplines;
- criteria for assessing learning outcomes in the disciplines;
- documents on the organization of all types of professional practice, as well as other documents necessary for the organization of the educational process.

### **1 PASSPORT OF THE EDUCATIONAL PROGRAM**

#### **1.1 The scope of professional activity of a student**

The Master of Education in the EP 7M01402 - "Training of physical culture and sports teachers" carries out its professional activities in the field of pedagogical sciences.

1.2 Objects of the professional activity of a Master student:

- research organizations;
- secondary schools, lyceums, gymnasiums;
- colleges;
- higher education institutions;
- national parks, reserves;
- divisions of the Department of Ecology and Bioresources
- laboratories at medical, biological and veterinary institutions;
- divisions of Department of Ecology and Bioresources;

#### **1.3 Types of professional activity of a student:**

- research;
- research industrial and design activities;
- organizational and managerial;
- educational (pedagogical);
- educational and technological.

#### ***1.4 Tasks of the graduate's professional activity***

##### ***Teaching:***

- organization of the process of training and development, training and education of students;
- forecasting, correction and diagnosis of the results of pedagogical activity;
- education in secondary and specialized schools, organizations of technical and vocational education, as well as in higher educational institutions;
- design and management of the educational process;
- the use of information and computer technology in the field of professional activity.

##### ***Educational:***

- involving students in the system of social values;
- the implementation of educational work in accordance with laws, laws, principles, educational mechanisms of the educational process;
- the organization of educational work on the basis of Kazakhstani patriotism and civic responsibility;
- solving specific educational problems,
- building good relations with colleagues and students, partners and partners working in the organization, based on the principles of respect, openness and mutual understanding.

##### ***Methodical:***

- implementation of the methodological support of the educational process;
- planning educational content at different levels;
- determine the methods of organization and implementation of the educational process;
- the use of new pedagogical and IT technologies in the educational process;

##### ***Research:***

- study the level of knowledge of the content of education and the study of the educational environment;
- the study of scientific and methodological literature;
- research and accumulation of the best pedagogical experience in the field of science, education;
- conducting a pedagogical experiment, introducing its results into the educational process;
- integrate knowledge gained in various subjects to solve research problems in new situations;
- assessment of the effectiveness of educational programs by monitoring and implementing research projects and research in the professional field.

##### **Social communicative:**

- the professional community and all stakeholders in education implementation of the interaction;
- the formation of a multicultural personality;
- creating favorable conditions for the upbringing and development of students and pedagogical support;
- formation of professional communication and intercultural communication.

##### ***Organizational and managerial:***

- organization of strategic management of the organization, the foundations of innovation management, leadership theory;
- determine the methods of planning and supporting the educational process at different levels;
- solving practical problems in organizing and managing the economic activities of enterprises;

- production relations with various organizations, including government bodies;
- practical application of the norms of the legislation of the Republic of Kazakhstan in the field of education

## **2 FEATURES OF THE EDUCATIONAL PROGRAM (RATIONALE OF CONTENT)**

Higher education institution “7M01402 -“Training of physical culture and sports teachers” has been developed in accordance with the European Qualifications Framework, the National Qualifications Framework, Dublin Descriptors, the Industry Qualifications Framework, and the Professional Standard for Educators, taking into account the requirements of the regional labor market and employers.

EP determines the goals, expected results, conditions and technologies of the educational process, ways of implementation, assessing the quality of graduate training in this area, the content of the working curriculum.

## **3 GOALS AND OBJECTIVES OF THE EDUCATIONAL PROGRAM**

### **3.1 Purpose and objectives of the educational program**

The main objective of the EP is determined in accordance with the objectives of the Strategic Development Plan and the mission of the university.

The goal is to train competitive scientific and pedagogical personnel in the field of training physical culture and sports teachers who possess a General cultural and professional model that meets the requirements of the national qualifications system and the labor market in the field of science and professional activity.

#### ***Objectives of the educational program***

- the formation of key competencies necessary for the effective implementation of the professional activities of students;
- formation of social responsibility of trainers based on interpersonal values and professional ethical standards;
- bringing the level of quality of education in line with the requirements of national and international standards on the basis of the motivation of students to professional improvement, self-realization;
- formation of students' professional knowledge and practical skills, taking into account the updated content of education;
- Ensuring the training of highly educated professionals who are actively involved in the modernization of society based on the trinity of languages, functional literacy, and a healthy lifestyle.

### **3.2 Values of the educational program**

#### **Core values defined in the content of the OP:**

- Kazakhstan patriotism and civil liability;
- respect;
- cooperation,
- transparency.

## **4 THE MODEL OF A GRADUATE**

### **Key competencies that make up the graduate competency model:**

- cultural competence: coordinates its abilities and interests in the formation of the worldview and analysis of important for the individual problems with civil and moral position (CC1);

- social and communicative competences: on the basis of the triunity of languages, functional literacy, healthy lifestyle, it is active in renewing society, the ability to work in a team in accordance with the requirements of interested parties (CC2);
- organizational and methodological competences: shows critical thinking and creativity in the application of innovative technologies, in planning, organizing and managing activities, in solving complex problems (CC3);
- research competencies: argues the results of their research work in their professional activities, involving students (CC4);
- Subject competences: evaluates their abilities and interests in accordance with the needs of society, applies the results of modern research in professional activities, deeply mastering the subject area (CC5);
- developing competencies: in order to improve the professional level, combining their abilities and interests with the needs of society, attaches importance to lifelong learning (CC6);

## 5 EXPECTED RESULTS OF TRAINING ON THE EDUCATIONAL PROGRAM

**Results of the training on the EP: After the successful completion of this EP, the undergraduate must:**

- RE 1 – demonstrate the development of knowledge and understanding in the field of physical education, research methods in the development and use of ideas in the context of research;
- RE 2 – applies knowledge, understanding and creativity in solving professional and managerial problems in non-standard situations in a broader interdisciplinary context;
- RE 3 – demonstrates information culture, foreign language proficiency to form their judgments taking into account social, ethical and scientific considerations;
- RE 4 - develops knowledge about the species, structure of living organisms, living conditions in an interconnected community, assesses the role and importance of their characteristic life, functions and processes;
- RE 5 – be able to integrate subject knowledge for further training in the field of physical education;

## 6 LEARNING OUTCOMES ASSESSMENT POLICY

The technology of criteria-based assessment is used for all types of students' educational achievements control (everyday, midterm and final). The assessment is carried out according to the letter-point system showed at the table below

**Students' educational achievements point-rating and letter evaluating system, their conversion into the traditional grading scale, ECTS**

Evluation by letter system	Digital equivalent	Points (% content)	Evaluation according to the traditional system
A	4,0	95-100	excellent
A-	3,67	90-94	
B+	3,33	85-89	excellent
B	3,0	80-84	
B-	2,67	75-79	
C+	2,33	70-74	satisfactory
C	2,0	65-69	
C-	1,67	60-64	
D+	1,33	55-59	
D-	1,0	50-54	

FX	0,5	25-49	unsatisfactory
F	0	0-24	

The semester long students' educational achievements evaluation is carried out 3 times during one semester every 5 weeks. In each period of the current control, the teaching staff evaluates students at practical, laboratory, seminar, SSW (SSWT/SSW) and other classes, the total score of each final week of the current control is automatically displayed in the Univer system

The final ranking score for the semester is the sum of 20% of the total sum of the three final weeks of control. It makes up 60% of the final assessment of the student, and he gains the remaining 40% on the exam.

The student will be admitted to the exam only if he scores at least 30 points (passing point 0.2 \* (CC1 + CC2 + CC3) ≥ 30 points) from the current control

**The result of the interm attestation is calculated by the following formula:**

the current control 1 (CC1) ≤ 100

the current control 2 (CC2) ≤ 100

the current control 3 (CC3) ≤ 100

Exam ( E ) ≤ 100

**Final assessment (FA) = 0,2\*(CC1+CC2+CC3)+0,4\*E**

### Consistency of learning outcomes and assessment methods

Learning outcome	Estimation method
RE 2, 3,7,8	Individual task
RE 3, 5, 6	Portfolio
RE 1,2,3,4,5,6, 8	Practice report
RE 1,2,3,4,5,6,7,8	Border control
RE 1,2,3,4,5,6,7,8	Final certification

## 7 WAYS AND METHODS OF ORGANIZING THE EDUCATIONAL PROCESS

The organization of the educational process is carried out according to the credit technology based on the students' choice of discipline, the order of studying the disciplines / modules.

***Tasks of the organization of the educational process:***

- unification of knowledge;
- creation of conditions for maximum individualization of training;
- strengthening the role and effectiveness of independent work of students;
- identification of educational achievements of students on the basis of an effective and transparent procedure for their control.

***Learning opportunities for credit technology:***

- the introduction of a system of academic credits to assess the labor costs of students and teachers in each discipline;
- Participation of the student in the formation of the individual curriculum;
- the choice of disciplines and modules in the catalog of elective disciplines;
- Freedom of choice for a teacher;
- the choice of the educational trajectory of students with the help of an adviser;

- use of interactive teaching methods;
- academic freedom in the formation of educational programs;
- provision of educational process with necessary educational and methodological materials;
- the use of effective methods of monitoring the educational achievements of students;
- the use of a point-rating system for evaluating educational achievements in each discipline and other types of independent work.

❖ ***Applied methods and learning technologies:***

- ❖ reflexive methods considered as the central object of study; КОМПЕТЕНТНОСТНЫЙ ПОДХОД К ОБУЧЕНИЮ;
- ❖ role playing;
- ❖ study discussions;
- ❖ case studies;
- ❖ design methods.

Types of used methods and technologies of training are chosen by the teacher independently. The internal quality assurance system aimed at improving the quality of educational services:

- quality policy;
- development and approval of programs;
- student-oriented learning, teaching and assessment;
- admission of students, performance, recognition and certification;
- Teaching Staff;
- learning resources and student support system;
- information management;
- public information;
- continuous monitoring and periodic evaluation of the EP;
- periodic external quality assurance.

### **Professional practice**

The structure of the educational program of scientific and pedagogical magistracy provides for the practical training of undergraduates (pedagogical and research practice, as well as professional (scientific) practice).

***Teaching practice:***

In accordance with the general goals of the main postgraduate education program, the purpose of teaching undergraduate practice is to strengthen the motivation for teaching work in a university (including high school), with the acquisition of practical skills and competencies in professional and educational activities.

***Requirements for teaching practice:***

- 1) specialist:
  - about the basic methods of psychological and pedagogical research;
  - have an idea of the theoretical foundations of the design and conduct of psychological and pedagogical research;
- 2) specialist:
  - use the basics of teaching in the framework of training programs and on the advice of more experienced colleagues;
  - know the principles of organization of independent work of students and methods of organizing research activities;
- 3) specialist:
  - make personal choices in specific professional situations;

- implementation of educational programs based on educational programs, taking into account the recommendations of more experienced colleagues;
- be able to determine educational goals, types of lessons, use various types of educational activities of students; be able to use diagnostics to assess the effectiveness of educational activities, the choice of type of control and diagnosis

4) specialist:

- methods and technologies for organizing and evaluating research results;
- skills for implementing educational programs;
- the fundamentals of scientific and methodological and educational-methodical work: structuring of skills and psychological competencies of the competent transformation of educational material into scientific education, systematization of educational tasks;
- own skills in solving problems, exercises, methods of writing tests on various topics, oral and written presentation of thematic materials, various educational technologies.

***Practice Report:***

Certification based on pedagogical practice is based on a written report, diary and reviews of the internship manager, drawn up in accordance with established requirements. According to the head of practice, the formation of teaching skills, responsibility for work, practice (degree of responsibility, independence, creativity, interest, etc.) is assessed. The report should contain information on the actual work performed during the practice.

***Research practice***

The purpose of the study is the study of new theoretical, methodological and technological achievements of domestic and foreign science in research practice, as well as the application of modern research methods, consolidating the skills of processing and interpreting experimental data in dissertation research.

The content of research practice is determined by the topic of the dissertation.

During the internship, the student must independently prepare 4-5 abstracts (at least 50 pages in each volume). The report should cover the following issues:

- new theoretical achievements of domestic and foreign science;
- New methodological achievements of domestic and foreign science;
- technological (innovative) achievements of domestic and foreign science;
- the use of modern methods of scientific research, processing and interpretation of experimental data using computer technology.

***Requirements for research practice:***

1) specialist:

- about advanced scientific methods and their possible use in the study of pedagogical problems;

- have an idea of training in the field of scientific research, innovation;

2) specialist:

- the concept of initial premises, initial concept, basis, purpose and main tasks of choosing a research topic; methods of literary search, collection and systematization of data on problems in published studies, as well as their generalization, generalization and discussion of problems with their leader;

- the current state and prospects for the development of the educational process, the features of the institution of professional education;

- research methods of pedagogical processes;

- know the achievements of science and pedagogical technologies, the best domestic and foreign experience in the field of professional education.

3) specialist:

- to formulate and solve problems arising in the course of scientific and pedagogical activities, as well as use deep professional knowledge;

- be able to choose the necessary research methods, modify existing ones and develop new ones based on specific research tasks;

- development, analysis and understanding of experimental results obtained from published data;
- bibliographic work using modern information technologies;
- presentation of the results of work performed in accordance with the requirements of modern editing and publication, in the form of reports, abstracts, articles;
- development of training materials in the disciplines;
- have an effective organization of all types of training;
- 4) specialist:
  - planning and conducting research;
  - own the skills to use a foreign language in the necessary volume for carrying out research activities;
- 5) planning, organization and conduct of scientific activities.

***Research Practice Report:***

The study is based on appraisal of internship based on a written report, diary and comments of a trainee internship. At the beginning of the internship, the leader, in his opinion, assesses the ability, responsibility and responsibility of research activities for practice (degree of responsibility, independence, creativity, interest, etc.).

***Certification on the basis of practice:***

At the end of professional practice at the department (scientific seminar), the reports of all undergraduates of one or one specialty are protected.

The final assessment of professional practice is based on the results of the defense.

The leader of the practice looks through the undergraduate report, sums up the quality of the practice and puts a mark in the form of a differential test.

Practical grades are included in the exam list and the IPC "Univer 2.0", are equated to the assessment of theoretical training and are taken into account when calculating the overall progress of the bachelor's degree and the award of the semester.

***Criteria for assessing the quality of the practice carried out by the undergraduate trainee:***

1. The overall assessment of the practice carried out is derived on the basis of the arithmetic average of the points for all assessment indicators applicable to the practice.
2. If the average score for all positions:
  - 3.5 - the practice does not meet the modern requirements of the organization of the educational process at the university;
  - 3.6-3.9 - general conclusion: the practice carried out meets the modern requirements of the organization of the educational process at the university;
  - 4.0-4.5 - a general conclusion: the practice carried out fully meets the modern requirements of the organization of the educational process at the university;
  - 4.6-5.0 - general conclusion: the practice is qualified and meets the modern requirements of the organization of the educational process at the university.

## **8 RESEARCH WORK OF MASTER STUDENT**

The master's educational program contains a research paper that includes a master's thesis for a scientific and pedagogical magistracy, which should:

- 1) to comply with the main issues of the specialty, for which the master's thesis is defended;
- 2) be relevant, contain scientific novelty and practical significance;
- 3) to be based on modern theoretical, methodological and technological achievements of science and practice;
- 4) performed using modern research methods;
- 5) contain research (methodological, practical) sections on the main protected provisions;
- 6) based on international best practices in the relevant field of knowledge.

The results of research work at the end of each period of their passage are recorded by the undergraduate in the form of a report. According to the results of the research and development work carried out at the department (scientific seminar) reports are being protected with the participation of all undergraduates of one specialty or one direction.

Within the framework of the research and development work, the individual work plan of the undergraduate to get acquainted with innovative technologies and new types of production provides for mandatory scientific internships in scientific organizations and / or organizations of relevant industries or fields of activity.

The final result of the research work of the undergraduate is a master's thesis (master's project).

## **9 CONTENTS OF EDUCATIONAL PROGRAM**

### **9.1 Compliance of the learning outcomes of the EP to the formed competencies**

Learning outcomes determine the competencies of students, formed after the completion of the EP.

#### **Matrix of correlation of learning outcomes for the EP as a whole with the formed competencies**

	<b>RE 1</b>	<b>RE 2</b>	<b>RE 3</b>	<b>RE 4</b>	<b>RE 5</b>	<b>RE 6</b>	<b>RE 7</b>	<b>RE 8</b>
<b>CC1</b>		+	+			+	+	
<b>CC 2</b>	+		+	+		+		+
<b>CC 3</b>	+	+				+		+
<b>CC 4</b>	+		+	+			+	+
<b>CC 5</b>	+	+			+		+	+
<b>CC 6</b>				+	+	+		

## 9.2 Informatio on Module

No	Name of module	Module component	Brief module description	Module learning outcomes	Cycle	Number of credits	Graduate model and learning outcomes (codes)
1	Professional and humanitarian disciplines (PHD01)	<ol style="list-style-type: none"> <li>1. History and philosophy of science</li> <li>2. Foreign language</li> <li>3. Higher School of Pedagogy</li> <li>4. Psychology Management</li> <li>5. Teaching practice</li> </ol>	<p>The module considers:</p> <ul style="list-style-type: none"> <li>-formation of the worldview, civil and moral positions of the future specialist;</li> <li>–Improving its competitiveness through the study of foreign languages;</li> <li>— Actual problems of methodology, stages of development of pedagogical science, the concept of a holistic pedagogical process;</li> <li>–Methods, forms, means of educational work in modern pedagogy;</li> </ul>	<p><b>RE1</b> - Demonstrates knowledge, understanding of scientific, philosophical and pedagogical psychological knowledge</p> <p><b>RE2</b> - be able to use a foreign language in the formation and expression of their opinions;</p> <p><b>RE3</b> - be able to inform the public of accurate and thorough research results;</p>	BD	20	<b>CC 1,2,3</b> <b>RE 1,3,4</b>
2	Scientific and methodological training (SMT02)	<ol style="list-style-type: none"> <li>1. Modern methods of teaching sports games</li> <li>2. The basics of biomechanics of physical education and sports</li> </ol> <hr/> <ol style="list-style-type: none"> <li>1. Methods of studying the physiological foundations in improving the qualities of the body</li> <li>2. Hygienic basis of physical education</li> </ol>	<p>The module considers:</p> <ul style="list-style-type: none"> <li>- master modern methods of teaching sports games</li> <li>- the development of best practices, effective methods, methods and techniques of biomechanics of physical education and sports;</li> <li>- understand the physiological characteristics of students, the laws of their development;</li> </ul>	<p><b>RE1</b> - demonstrate the ability to apply methods of teaching sports games, as well as develop knowledge and understanding in the field of teaching advanced practices and effective methods of sports biomechanics;</p> <p><b>RE2</b> - to be able to integrate subject knowledge for further study in the field of teaching research methods related to</p>	BD	17	<b>CC 2,3,4,5</b> <b>RE 1,2,4,5</b>

		<ol style="list-style-type: none"> <li>1. Research and analysis of competitors in sports of the highest achievements</li> <li>2. Theory and methods of studying physical culture</li> </ol>	- Develops methods for organizing student health, physical education and training.	<p>proper observance and strengthening of physiological characteristics, development models and hygiene requirements of students;</p> <p><b>RE3</b> - to be able to inform the public in accurate and thorough research of competitors in sports of high achievements, ideas in the field of physical education and education, conclusions and solutions to problems.</p>			
3	Special profession outdoor training (SPOT3)	<p>Scientific and pedagogical foundations of physical culture and sports</p> <ol style="list-style-type: none"> <li>1. Health and rehabilitation methods of physical culture in professional education</li> <li>2. Wellness culture and massage qualities</li> </ol> <ol style="list-style-type: none"> <li>1. Methodology and organization of health-improving physical education and sports at the university.</li> <li>2. Fundamentals of the theory and methodology of age-related characteristics of physical education</li> </ol>	The module reveals the essence, features and patterns of scientific and pedagogical work in the field of physical culture and sports. He teaches classes methods for organizing gymnastics and athletics and massage techniques, as well as the ability to apply therapeutic and preventive measures in practice. Forms general rules and methods of nutrition in sports, use them correctly in actions, acquire accurate work skills.	<p><b>RE1</b> - Demonstrates knowledge of the scientific and pedagogical foundations, features and patterns of physical education and sports, as well as research methods.</p> <p><b>RE2</b> -Mastering the methods of teaching exercises and conducting classes in gymnastics and athletics will contribute to a more successful conduct of the training process in any sport, health-improving culture and massage qualities allow you to use your knowledge, understanding and creative abilities to solve professional and managerial tasks in non-standard situations</p>	PD	17	<b>CC 5,6</b> <b>RE 1,2,5</b>

		Research methods and academic writing		<p>in the widest multidisciplinary context;</p> <p><b>RE3</b> - to be able to integrate metadiscipline knowledge for the further development of the theory and methods of recreational physical culture and sports in the field of teaching theory and methods of age-related features.</p> <p><b>RE4</b> - to study the legal foundations of sports and the general rules and methods of nutrition in sports and use their creative abilities to correctly apply them in actions.</p>			
4	Innovative teaching methods and sports psychology (ITMSP04)	<p>1. Modern innovative technologies for teaching physical education and sports</p> <p>2. The use of innovative methods in teaching national sports</p>	The module assimilates knowledge of modern achievements, patterns, techniques, using modern technologies for teaching national sports in physical education and sports.	<p><b>RE1</b> - uses modern innovative pedagogical technologies in physical education and national sports and can integrate meta-subject knowledge for further study</p> <p><b>RE2</b> - demonstrate knowledge and understanding of management in sport, as well as research methods.</p> <p><b>RE3</b> - sports psychology is able to use its knowledge, understanding and creative abilities in the field of behavior and self-improvement of a person, his relationship in society and professional environment.</p>	PD	27	<b>CC 2,3,4,5</b> <b>RE 1,2,3,4,5</b>
		<p>1. Regulatory support and management in the field of physical culture and sports</p> <p>2. Theory and methodology of physical education and sports</p>	Management methods in sports form the theory of social management of sports organizations in a market economy, teach sports psychology, personal behavior and self-improvement, as well as their relationships in society and the professional environment.				
		<p>1. Sports adaptology</p> <p>2. Sports Psychology</p>					
		Research practice					

				<p><b>RE4</b> - be able to inform the public in accurate and thorough methods of organizing and managing sports, ideas, conclusions and solutions to problems</p> <p><b>RE5</b> - know the methods of research and experimental work, data processing and analysis.</p>			
5	Nachun- research tel work (NRW05)	Master's research work, including internships and master's theses	It provides the application of modern methods of scientific research based on modern theoretical, methodological and technological achievements of science and practice. Conducting research work; Within the framework of SRW, a student will gain the skills of a scientific internship in scientific organizations or organizations in the relevant fields of activity for familiarization with innovative technologies and new types of products.		NRW	24	<b>CC 1,2,3,4,5</b> <b>RE 1,2,3,4,5</b>

### 9.3 Information on disciplines

№	Name of disciplines	Brief course description (30-50 words)	Number of credits	Expecting results of education (codes)							
				RE 1	RE 2	RE 3	RE 4	RE 5	RE 6	RE 7	RE 8
<b>The cycle of basic disciplines University component</b>											
1	History and philosophy of science	The subject studies the process of the formation of scientific achievements and the development of philosophical thoughts of various times of mankind. Philosophical concepts and theories from ancient times to the present, their influence on modern science are examined. In the study of the discipline provides for the use of knowledge, concepts for solving problems, the integration of interdisciplinary knowledge, the coverage of ontological and epistemological directions in the philosophy of science.	4	+	+			+			
2	Foreign language (professional)	A foreign language course provides for the formation of intercultural, communicative and functional competence of undergraduates, the development of lexical and linguistic features in English, knowledge of a foreign language and an understanding of the cultural characteristics of countries that speak English. To solve the problems it is envisaged the use of knowledge, understanding, creative abilities, the integration of interdisciplinary knowledge.	5		+	+				+	
3	Higher School of Pedagogy, Psychology Management	It considers directions, research structure, a system of general epistemological guidelines, new methods and an empirical system for the development of pedagogy as a scientific system, personality development at the stages of ontogenesis, patterns of development of the psyche, directions and principles of modern psychological management, psychological knowledge and skills. To solve the problems it is envisaged the use of knowledge, understanding, creative abilities, the integration of interdisciplinary knowledge. Personality	3	+			+			+	

		development at the stages of ontogenesis, patterns of development of the psyche, directions and principles of modern psychological management, psychological knowledge and skills. To solve the problems it is envisaged the use of knowledge, understanding, creative abilities, the integration of interdisciplinary knowledge.									
4	Teaching practice	The study is based on appraisal of internship based on a written report, diary and comments of a trainee internship. At the beginning of the internship, the leader, in his opinion, assesses the ability, responsibility and responsibility of research activities for practice (degree of responsibility, independence, creativity, interest, etc.).	5		+			+		+	+
<b>The cycle of basic disciplines</b>											
<b>Elective component</b>											
5	1. Modern methods of teaching sports games	Modern teaching methods are an integral process consisting of stages arranged in a certain sequence and containing specific tasks, tools and methods reflecting pedagogical and psychophysiological patterns of skill formation, considered as a system. The components of this system are: knowledge, technical and tactical action and qualities; educator and teaching; learner and teaching; motor skill and ability as a result of the joint activity of the educator and the learner - subjects of training.	5								
	2. The basics of biomechanics of physical education and sports	Section of biomechanics, which studies the work of the biomechanical apparatus of an athlete (BAS), the interaction of BAS with the environment, sports equipment, mechanisms. The purpose of sports biomechanics is to improve the skills of athletes, set records by them, as well as prevent injuries, increase muscle tone, create more optimal sports equipment, mechanisms, simulators. Also, the biomechanics of sports is directly used in the practice of physical education. Biomechanics of sports is usually divided into general, differential and private									
6	1. Methods of studying the	The physiological foundations of sports consider the history of the									

	physiological foundations in improving the qualities of the body	development of sports physiology with physical activity, the reversibility of adaptation changes, the principles of physiological assessment of the quality and effectiveness of quick and long-term adaptation to physical activity. It integrates subject knowledge and forms professional creative skills in teaching the physiological basis for improving physical quality for further training in the field of teaching.	5	+			+	+			+
	2. Hygienic basis of physical education	The features, patterns, physiological development of students and their ability to apply hygiene requirements, issues of personal development, health and well-being are studied. Identification and development of students' abilities, protection of children's health, observance and strengthening of hygiene requirements. Integrate subject knowledge and develop professional creative skills to continue research methods in teaching.									
7	1. Research and analysis of competitors in sports of the highest achievements	It provides effective teaching methods based on the volume and content of subjects taught in the sport of the highest achievements. It organizes research in the field of competition at a high level, clearly and accurately conveys ideas, conclusions and solutions to problems, develops professional creative skills in new approaches to training.	5	+			+		+		+
	2. Theory and methods of studying physical culture	Knowledge of the theory and methods of studying physical culture provides effective teaching methods based on its content. Creates, analyzes and prepares a meaningful education model based on the theory and methodology of physical education, organizes accurate and clear public access to ideas, conclusions and methods for solving problems and develops skills for their practical application.									
<b>The cycle of majors</b> <b>University component</b>											

	Scientific and pedagogical foundations of physical culture and sports	Consider the essence, features, patterns of scientific and pedagogical activity in the field of physical culture and sports, as well as research methods. Systematization and deepening of knowledge about pedagogical technologies, the implementation of their skills, a comprehensive orientation on the development of methods of scientific and pedagogical research will form their professional competence.	6	+	+		+	+		+	
9	Research methods and academic writing	To own the basics of sports and arbitration law, ways to increase legal protection and legal literacy of youth, creative use of scientific knowledge in solving life problems, demonstrating initiative, professionalism and rational solutions. To study the legal foundations of sports and develop their creative abilities in order to apply them correctly.	5	+	+	+		+			
<b>The cycle of majors Elective component</b>											
10	1. Health and rehabilitation methods of physical culture in professional education	The potential level is based on a positively conscious attitude of students to physical culture for the purpose of self—improvement and professional activity. The targeted use of physical exercises as a means of treating diseases and restoring body functions that have been disrupted or lost due to diseases, injuries, overwork and other causes.	5								
	2. Wellness culture and massage qualities	In preparing future specialists, not only deep theoretical knowledge is used, but also a practical set of exercises and massage methods, therapeutic and preventive measures. The improving culture and massage technique in the widest multidisciplinary context form the use of their knowledge, understanding and creative abilities to solve professional and managerial issues in non-standard conditions.			+	+	+			+	
11	1. Methodology and organization of health-improving physical education and sports at the university.	The organization, methods, patterns and achievements of the organization of physical culture and sports work in higher educational institutions are considered. Higher educational institutions integrate interdisciplinary knowledge, and form knowledge about professional thinking and a creative approach in		+				+		+	+

		the field of teaching methods and organization of physical education and sports activities.	6									
	2. Fundamentals of the theory and methodology of age-related characteristics of physical education	Provides education and skills to improve self-education for age groups in the field of physical education and sports. Physical culture combines interdisciplinary knowledge, forms a scientific view of working capacity for further study in the theory and methodology of the foundations of age.										
12	1. Modern innovative technologies for teaching physical education and sports	The laws, principles, methods and forms, modern achievements, the use of modern innovative teaching technologies in physical education and sports are considered. It unites interdisciplinary knowledge for the further modernization of innovative educational technologies in the field of physical culture and sports and forms ways of self-expression and self-development in obtaining theoretical and practical knowledge.	6	+					+		+	+
	2. The use of innovative methods in teaching national sports	Generates knowledge of laws, principles, methods and forms of application of modern innovative technologies for teaching national sports, modern achievements and professional thinking. Combines interdisciplinary knowledge to further continue the teaching of national sports and forms ways of self-expression and self-development to obtain complete theoretical and practical knowledge.										
13	1. Regulatory support and management in the field of physical culture and sports	The main directions of administrative and legal regulation in the field of sports are studying the normative support of physical culture and sports activities; determining the system and structure of governing bodies in the field of physical culture and sports with the establishment of the competence of these bodies and their organizational subordination; monitoring compliance with the rules in force in the field of physical culture and sports; establishing responsibility for violation of these rules.	6	+	+				+	+	+	+

	2. Theory and methodology of physical education and sports	They consider various theoretical and methodological foundations of training, education and development of students, modern achievements in research, science and practice. It integrates interdisciplinary knowledge for further study of the theory and methodology of physical culture and sports, forms methods of self-expression and self-development while obtaining complete theoretical and practical knowledge.								
	1. Sports adaptology	The scientific direction of the study of morphological, biochemical, physiological and biomechanical changes in the body of athletes when performing training and competitive motor actions, as well as the long-term consequences of sports. The field of scientific research of sports adaptology is the study of the holistic behavior of systems and organs of athletes during exercise and during recovery. The main method of research is the simulation of urgent and long-term adaptation processes in the body of athletes.	6	+	+		+	+		
14	2. Sports Psychology	Considers the teaching of sports psychology, theoretical training, technical, tactical and physical training, the psychological foundations of training and competition, the psychological aspects of training athletes and managing the mental health of athletes. Teaches the psychology of sports, builds knowledge, understanding and creative abilities of a person in the field of behavior and self-improvement, in relations with society and in the professional environment.								
15	Research practice	The purpose of the research is to study new theoretical, methodological and technological achievements of domestic and foreign science in research practice, as well as the application of modern research methods, and to consolidate the skills of processing and interpreting experimental data in dissertation research.	10		+			+		+
16	Master's research work (MRW)	It provides research using modern research methods based on modern theoretical, methodological and technological achievements of science and practice. In the framework of SRW, the bachelor's degree forms a scientific internship in scientific organizations or	24		+			+		+

		organizations in the relevant fields of activity for familiarization with innovative technologies and new types of products.											
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## 9.4 The curriculum of the educational program

**Code and classification of education field:** 7M01 Pedagogical sciences

**Code and classification of training field:** 7M014 Training of Masters in Subject Pedagogical Sciences of General Development

**Duration:** 2 years

**Degree awarded:** Master of Education in educational program 7M01402 - "Teacher training of Physical Culture and Sports"

**Form of study:** day time

Module code and name	Code of discipline	The name of the developer of the module (discipline, practice, etc.) b.)	Cycle of disciplines	QA / HF / VC	Amount of credits	Type of control	All hours	All audit. hours	lecture	practician	laboratory	IWMSWT	IWMS	1 course		2 course	
						Exam / Report								semester			
														1 15 weeks	2 15 weeks	3 15 weeks	4

**Abbreviations:** BD-Basic Discipline, PD-Profiling disciplines, EC-Elective Component, UC- University component, E-examinations, RWS - Research of Master student

Professional and humanitarian disciplines (PHD01)	HPS 5201	History and philosophy of science	BD	CU	4	E	120	45	30	15		15	60	4			
	FL5202	Foreign language (professional)	BD	CU	5	E	150	60	30	30		15	75	5			
	HSP 5203	Higher School Pedagogy	BD	CU	3	E	90	30	15	15		15	45	3			
	PM 5204	Psychology of Management			3	E	90	30	15	15		15	45	3			
	TP 5205	Teaching practice	BD	CU	5	X	150	150		150					5		

Scientific and methodological training (SMT02)	MRMPHES 5206 BBPHES 5206	1. Modern methods of teaching sports games 2. The basics of biomechanics of physical education and sports	BD	CC	5	E	150	45	15	30		30	75	5			
	MSPhFIQB 5207 HBPhE 5207	1. Methods of studying the physiological foundations in improving the qualities of the body 2. Hygienic basis of physical education	BD	CC	5	E	150	45	15	30		30	75		5		
	RACSHA 5208 TMSPHC 5208	1. Research and analysis of competitors in sports of the highest achievements 2. Theory and methods of studying physical culture	BD	CC	5	E	150	60	30	30		15	75		5		
Special profession outdoor training (SPOT3)	SPFPhCS 5301	Scientific and pedagogical foundations of physical culture and sports	PD	CU	6	E	180	60	30	30		30	90	6			
	OCITRG 5302 WCMQ 5302	1. Health and rehabilitation methods of physical culture in professional education 2. Wellness culture and massage qualities	BD	CC	5	E	150	60	30	30		15	75		5		
	MOHIPHES U 6303 FTMARCPH E 6303	1. Methodology and organization of health-improving physical education and sports at the university. 2. Fundamentals of the theory and methodology of age-related characteristics of physical education	BD	CC	6	E	180	60	30	30		30	90				6

	RMAW 6304	Research methods and academic writing	PD	CU	5	E	150	60	30	30		15	75			5	
Innovative teaching methods and sports psychology (ITMSP04)	MITTPhES 5305 UIMTNS 5305	1. Modern innovative technologies for teaching physical education and sports 2. The use of innovative methods in teaching national sports	PD	CC	6	E	180	60	30	30		30	90		6		
	SMM 6306 TPhES 6306	1. Regulatory support and management in the field of physical culture and sports 2. Theory and methodology of physical education and sports	PD	CC	6	E	180	60	30	30		30	90			6	
	SPs 6307 MOS 6307	1. Sports adaptology 2. Sports Psychology	PD	CC	5	E	150	45	15	30		30	75			5	
	RP 6308	Research practice	ИД	CU	10	X	300	300		300							10
Nachuno- research tel work (NRW05)	RWS 5401	Research work of a master student, including internship and master's thesis (MRWS)	RWS	MRWS	24	4X	720					90	630	4	4	8	8
<b>BD Total</b>					<b>35</b>		<b>1050</b>	<b>495</b>	<b>180</b>	<b>315</b>	<b>0</b>	<b>105</b>	<b>450</b>	<b>20</b>	<b>15</b>	<b>0</b>	<b>0</b>
<b>PD Total</b>					<b>49</b>		<b>1470</b>	<b>720</b>	<b>210</b>	<b>510</b>	<b>0</b>	<b>165</b>	<b>585</b>	<b>6</b>	<b>11</b>	<b>22</b>	<b>10</b>
<b>Total RWS</b>					<b>24</b>		<b>720</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90</b>	<b>630</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>8</b>
<b>Final certification (IA)</b>		<b>Design and defense of master's thesis (On3MД)</b>			<b>12</b>		360					50	310				12
<b>Subtotal</b>					<b>120</b>	<b>14E, 6X</b>	<b>3600</b>	<b>1215</b>	<b>390</b>	<b>825</b>	<b>0</b>	<b>410</b>	<b>1975</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

**A summary table of the scope of the educational program**

Courses	Semester	number of modules to be completed	Number of subjects		Number of credits					Total hours		Number of	
			CU	CC	Theoretical training	supervised practice	Issled. practice	MRWS	Final certification	Total		Exam	Report
1	1	3	4	2	26			4		30	900	6	1
	2	3	1	4	21	5		4		30	900	4	2
2	3	2	1	3	22			8		30	900	4	1
	4	2					10	8	12	30	900		2
<b>Total</b>		<b>10</b>	<b>6</b>	<b>9</b>	<b>69</b>	<b>5</b>	<b>10</b>	<b>24</b>	<b>12</b>	<b>120</b>	<b>3600</b>	<b>14</b>	<b>6</b>