

MINISTRY OF DEFENCE OF UKRAINE
NATIONAL DEFENCE UNIVERSITY OF UKRAINE

EDUCATIONAL AND SCIENTIFIC PROGRAM

“Educational and pedagogical sciences”

the third (educational and scientific) degree of higher education

Specialty № 011 Educational and pedagogical sciences
Area of expertise № 01 Education / Pedagogy



APPROVED BY THE SCIENTIFIC COUNCIL OF
THE NATIONAL DEFENCE UNIVERSITY OF
UKRAINE
(Protocol No. 9 dated 21.08.2023)

K y i v 2 0 2 3

PREFACE

The educational and scientific program "Educational and pedagogical sciences" of the third (educational and scientific) degree of higher education for teaching philosophy doctors of in the field of "Education / Pedagogy" is developed in accordance with the requirements of the Law of Ukraine "Higher Education" (as amended), resolutions of the Cabinet of Ministers of Ukraine dated 23.03.2016 No 261 "The procedure of training higher education applicants for the degree of Philosophy Doctor and Doctor of Sciences in higher educational institutions (research institutions)" (as amended); No 1341 dated 23.11.2011 "On approval of the National Qualifications Framework" (as amended by the resolutions of the Cabinet of Ministers of Ukraine dated 12.06.2019 No 509 and dated 25.06.2020 No 519), the order of the Ministry of Defense of Ukraine dated 02/15/2019 No. 65 "On the distribution of the main directions of scientific research between scientific institutions, higher military educational institutions, military educational units of higher education institutions of the Ministry of Defense of Ukraine and the Armed Forces of Ukraine".

The educational and scientific program "Military Management " was developed with the recommendations and recognized scientific practices of scientific education of the European Educational Area, in particular: Salzburg I Conclusion and Recommendation from the Bologna Seminar on "Doctoral Programs for the European Knowledge Society", 2005 & Salzburg II "Initiative Recommendations of the European University Association", 2010).

Developed by the working group:

Head of the working group:

Professor of physical education, special physical training and sports department
Vasil YAHUPOV, Doctor of Pedagogy, Professor;

Members:

Leading researcher at the research laboratory (social and humanitarian issues) of the social sciences department Yurii LOBODA, PhD, associate professor;

Leading researcher of the education organization and scientific and pedagogical personnel certification section of the scientific and research activities organization center Larysa TYMCHUK, Doctor of Pedagogy, senior researcher;

Leading researcher at physical education, special physical training and sports development research department of the for physical education, special physical training and sports research center Valentyna SVYSTUN, Doctor of Pedagogy, Professor;

Associate professor of the information technology application and information security department of the military (force) support and information technology institute colonel Volodymyr CHERNEHA, candidate of technical sciences;

Senior researcher at the language testing research section of the foreign languages educational and research center Nataliya TARASENKO, Candidate of Pedagogical Sciences;

Stakeholders involve:

Deputy Commandant of National Defence University of Ukraine of Ukraine for Scientific Work, Candidate of Military Sciences, Professor, Major-General Pavlo SHCHYPANSKYI;

Chief Specialist of the Scientific Expertise Department of the Military Scientific Directorate of the General Staff of the Armed Forces of Ukraine, Candidate of Technical Sciences, Senior Researcher colonel Serhii VOLOSHKO;

Senior Researcher at the Research Department (Problems of Physical Education Development, Special Physical Training and Sports) of the Research Center (Problems of Physical Education Development, Special Physical Training and Sports) lieutenant colonel Serhii KOSTIV (graduate of PhD studies of 2021 year);

PhD student (full-time) of the Scientific and Methodological Center for the Organization of Scientific and Technical Activities National Defense University of Ukraine major Illya BELIKOV.

Guarantor of the educational and scientific program:

Professor of physical education, special physical training and sports department Vasil YAHUPOV, Doctor of Pedagogy, Professor, Honored Education Worker of Ukraine.

I. Educational and scientific program profile of “Educational and pedagogical sciences”

Specialty 011 “Educational and pedagogical sciences”

1 – General information	
Full name of the higher education institution and subdivision	National Defence University of Ukraine
Higher education degree and qualification	Philosophy Doctor in Education/Pedagogy with a specialization in Educational and Pedagogical Sciences
The official name of the educational program	Educational and pedagogical sciences
Diploma Type for the educational program scope	Philosophy Doctor in Education/Pedagogy with a specialization in Educational and Pedagogical Sciences, single, the educational component scope is 46 ECTS credits. Training duration - 4 years
Accreditation availability	Certificate of accreditation of the National Agency for Quality Assurance No 22427 dated 29.07.2021 valid until 01.07.2027
Cycle/degree	NRC of Ukraine – 3 cycle / 8 level, QF-EHEA – Third Cycle / EQF-LLL– Level 8
Preconditions	The second (master's) level of higher education
Language(s) of instruction	Ukrainian and English
The duration of the educational program	4 years
Internet address of permanent program placement	https://nuou.org.ua/
2 – The purpose of the educational program	
<p>Training of a highly qualified, competitive, integrated into the European and world scientific and educational space specialist of the degree of Doctor of Philosophy in Education in the specialty 011 - "Educational, Pedagogical Sciences" - a competent scientific and pedagogical worker and researcher of the military education system, who has mastered the modern methodology of scientific and scientific-pedagogical activity, has formed the essential subjective and professionally important qualities for the successful implementation of basic official functions, demonstrates the ability to independently solve complex problem situations and tasks in the educational and scientific sphere, as well as conducted and publicly defended his/her own scientific research on an actual scientific task that has scientific novelty, theoretical and practical significance in pedagogical science.</p>	

3 – Program characteristics	
Subject area (area of knowledge, specialty, specialization (if any))	<p><i>Object(s) of study:</i> education in all aspects of its manifestation; observation; recording and description of current general trends and patterns of educational development; formulation of hypotheses in the form of theories and models that describe the processes of educational development; their experimental verification and refutation.</p> <p><i>Content of theoretical knowledge:</i> pedagogical theory and practice.</p> <p><i>Learning objectives:</i> gaining educational and scientific qualifications for research and teaching activities, scientific counseling, defending a dissertation on pedagogy that has scientific novelty and practical significance.</p> <p><i>Methods and means:</i> a combination of teaching methods, types of training sessions and means used in pedagogical science and methods and means used in educational theory.</p> <p><i>Tools and equipment:</i> tests, questionnaires, training equipment, personal computer, multimedia, Internet sources, educational and methodological support of the specialty (general and accumulation of own).</p> <p><i>The ratio of the volume of the main components of the educational and scientific program:</i> normative academic disciplines - 34 ECTS credits (75%); disciplines of free choice of the adjunct - 12 ECTS credits (25%).</p>
Educational program orientation	The educational and scientific (Doctor of Philosophy) academic program provides for the generation of the main types of competencies of a Doctor of Philosophy, capable of carrying out research and scientific and pedagogical activities in higher education institutions, scientific institutions and military command and control bodies of the Ministry of Defense and the Armed Forces of Ukraine
The main educational program focus and specialization focus	The program promotes mastery of the content and methods of scientific research in the field of education, scientific and pedagogical activities. Key words: concept, methodology, research content, learning content, methodology of pedagogical research, methodology of conducting the main types of training, technology, methodology and means of scientific research in education.
Program peculiarities	The educational and scientific program makes it possible to form an individual educational trajectory for a higher education student; ensures his/her professional development as a researcher, academic and military specialist. The peculiarity of the program lies in its competence, contextual and subject-activity conceptual approaches, which take into account the country's strategic course towards Euro-Atlantic integration and provide training of specialists capable of solving pedagogical problems in the system of military education and science. Particular attention is paid to scientific and pedagogical research and the specifics of scientific and pedagogical research and scientific and pedagogical activities of doctors of philosophy in higher education institutions, methods of teaching pedagogical, general military and military specialty disciplines. The content of the scientific component of the this program is determined by the individual curriculum of the PhD student.

4 – Graduates applicability for further employment and education	
Graduates applicability	<p>The field of employment of a Doctor of Philosophy in Educational Sciences is institutions and establishments subordinated to the Ministry of Defense of Ukraine: higher education institutions, research institutions, institutions of advanced training and postgraduate education in the field of education.</p> <p>Professional titles of positions: teacher of a higher education institution; senior lecturer of a higher education institution; associate professor of a higher education institution researcher; senior researcher; head of a research laboratory (section).</p>
Further education	<p>Training for development and self-improvement in scientific and professional fields of activity, as well as other related fields of knowledge:</p> <ul style="list-style-type: none"> - obtaining a doctoral degree; - educational programs, research grants and scholarships (including those abroad) that include additional educational components.
5 – Teaching and evaluation	
Teaching and studying	<p>Partnership cooperation of teachers and PhD students is carried out on the basis of competence, contextual, subjective and activity, axiological and andragogical approaches to education, professionally oriented contextual educational and research activities of the student.</p> <p>Organizational forms of the educational process: classes; independent work; practical training; control measures, etc.</p>

Evaluation	<p>Entrance control (entrance examinations). Current control (surveys, individual tasks for the preparation of parts of the dissertation research). Final control (examinations, differentiated tests, etc.). The evaluation of academic achievements of adjuncts is carried out according to the national scale ("excellent", "good", "satisfactory", "unsatisfactory") and the ECTS system. Public defense of scientific achievements in the form of a dissertation.</p>
6 – Program competencies	
Integral competence	<p>Ability to solve complex scientific problems and tasks in the field of vocational education and/or research and innovation, which involves a deep rethinking of existing and creation of new contextual pedagogical knowledge and/or pedagogical practice.</p>
General competencies	<p>GC01. Ability to theoretical and practical thinking as a scientist and future military educator and scientist, analysis, synthesis, generalization, systematization and specification of pedagogical phenomena. GC02. The ability to understand the subject area (general, professional, military and military pedagogy) and mastery of the basics of professional - scientific and scientific-pedagogical - activity. GC03. Ability to identify, formulate, analyze and solve scientific, scientific and applied pedagogical problems and tasks, in particular, to formulate a scientific problem and scientific task, purpose, main hypothesis and working hypotheses on the studied pedagogical problem and scientific task, which involves a deep rethinking of military professional and pedagogical practice, creation of new pedagogical knowledge. GC04. Ability to conduct pedagogical research, project development and management, theoretical, empirical and experimental research in the field of education. GC05. Ability to creatively implement scientific, scientific-pedagogical and other job competencies, including the use of technology. GC06. Foreign language ability sufficient to present and discuss the results of their scientific work in a foreign language (English or another in accordance with the specifics of the specialty) in oral and written forms, as well as to fully understand foreign-language scientific texts in the pedagogical specialty.</p>

<p>Special (professional, subject-orientated) competencies</p>	<p>SC01. Ability to independently collect, comprehensively analyze, process, summarize and systematize information about pedagogical phenomena and processes and creatively adapt and use the works of leading scientists in the field of pedagogy and on the subject of their research.</p> <p>SC02. Ability to analyze and evaluate pedagogical phenomena, to comprehend the role of each element in the system and in interaction with other pedagogical phenomena through the use of traditional and modern methods, technologies and techniques for the implementation of job competencies in scientific activities.</p> <p>SC03. Ability to use traditional, modern and innovative methods, technologies, techniques and means of scientific research and scientific and pedagogical activities in accordance with the requirements of modern methodological approaches to scientific and scientific and pedagogical activities.</p> <p>SC04. Ability to participate in the work of the department, to know and understand the principles of organization of its work (distribution of functional responsibilities, distribution of teaching load, place of the department in the system of research work of the faculty, institute and university), to teach pedagogical and other academic disciplines on the subject of the dissertation.</p> <p>SC05. The ability to practically create their own scientific and pedagogical works in the field of the department (work curriculum, lecture notes, teaching and methodological complex, sections of a teaching and methodological manual, textbook, manual, workshop, ability to conduct basic types of training sessions, etc.)</p> <p>SC06. Ability to speak and write a foreign language to test the results of scientific research at international scientific and scientific-practical conferences, seminars, round tables, as well as to conduct training activities with cadets (students).</p> <p>SC07. Ability to communicate constructively with the subjects of the educational process in higher education institutions, to assess and self-assess the impact of forms, means, styles, types, methods of pedagogical communication on the professional and personal development and well-being of the subjects of the educational process in higher education institutions.</p>
---	---

Military specialized competencies (MSc)	<p>MSc01. Ability to solve typical military-professional tasks of pedagogical direction, as well as problems arising in real situations of research and pedagogical activities of the adjunct using the knowledge of professional training, to implement military-professional and professional knowledge, skills, experience in conducting research work.</p> <p>MSc02. Ability to demonstrate creativity, flexibility, criticality, systematicity, mobility, efficiency and practicality of thinking in situations of scientific research and justification of scientific results.</p> <p>MSc03. Ability to apply pedagogical knowledge in special conditions to solve problems in the military field.</p>
--	--

7 – Програмні результати навчання

7 – Learning outcomes

Program learning outcomes	<p>PLO01. Demonstrate proficiency in oral and written communication in a foreign language at an above-intermediate level - B2, which ensures the presentation and discussion with specialists and non-specialists of the results of scientific and pedagogical research, scientific and applied problems of pedagogical science in the state and foreign languages, qualified to reflect the results of research in scientific publications in leading professional scientific journals in the country and in the world.</p> <p>PLO02. Reproduce basic knowledge of the fundamental provisions of the philosophy of science to the extent necessary for professional activity; knowledge of concepts, theories and methods necessary for the study and understanding of the means and mechanisms of human cognition and their use in the field of scientific, pedagogical and scientific activity.</p> <p>PLO03. Establish interrelationships between the theory and practice of professional education and pedagogy, make decisions and develop a strategy and methodology for solving pedagogical applied problems, taking into account both universal, national, military professional and pedagogical values, social, state and defense interests of Ukraine, as well as specific areas of military education. To assess the influence and role of traditions of civil, military and physical education on the formation of the personality of a serviceman, as well as to use modern methods and means of physical education of the servicemen of the Armed Forces of Ukraine. To this end, to creatively use and adapt the achievements of Ukrainian pedagogy and pedagogical thought, the achievements of modern scientists in scientific, pedagogical and research activities.</p>
----------------------------------	--

PLO04. Demonstrate successful research activities, conduct and document their results. To do this, apply modern ICT, classical and modern methods of intellectual analysis and data processing and information processing in communication, information exchange, collection, analysis, processing and interpretation of scientific and pedagogical data, as well as develop and implement scientific and/or innovative projects that allow to rethink existing and create new holistic knowledge and/or pedagogical practice and solve scientific and applied problems in the field of pedagogical science.

PLO05. Integrate traditional and modern techniques, information technologies, methods and means of scientific and pedagogical research into pedagogical practice and adapt them to solve specific scientific and pedagogical problems in conducting dissertation and other scientific and pedagogical research.

PLO06. To implement job competencies as a subject of scientific and pedagogical activity in higher education institutions and teach pedagogical, general military and military specialty disciplines in the field of the dissertation topic. To do this, apply traditional and creatively introduce modern methods, pedagogical technologies, methodological techniques and means of teaching disciplines. To improve the level of own professional and pedagogical competence on the basis of studying, analyzing and systematizing modern trends in the development of vocational education and pedagogical science in Ukraine and in the world. To reproduce independently and creatively the content of the general theory of professional pedagogy and adapt it to the conditions of pedagogical activity, as well as to identify topical issues of modern military education, pedagogy, education, development and self-improvement of a professional military serviceman and to justify their own point of view on their solution by pedagogical means.

PLO07. Successfully implement job competencies as a subject of scientific and research activities in higher education institutions and scientific institutions. To act in a team of scientists, to organize constructive interpersonal interaction with other subjects of scientific activity.

Demonstrate the results of scientific research in scientific articles published in publications of various levels and evaluate the scientific style in various communication situations in terms of compliance with the norms of literary language.

PLO08. Analyze and self-evaluate the level of formation of the main components of their pedagogical competence and skills as a subject of scientific and scientific-pedagogical activity. To this end, to creatively use and adapt the achievements of Ukrainian pedagogy and pedagogical thought, the achievements of modern scientists in scientific, pedagogical and research activities.

8 – Program implementation resources	
Staffing/personnel	<p>Academic staff with academic degrees of doctors and candidates of sciences and academic titles of professor and associate professor, as well as highly qualified specialists with experience in relevant military-professional, scientific-pedagogical and research activities, experience in solving complex problems and problem situations in the field of professional and (or) research activities, knowledge of the methodology of scientific and scientific-pedagogical activities, as well as experience in conducting their own scientific research are involved in teaching academic disciplines..</p>
Logistics	<p>PhD students are provided with free access to all resources of the educational environment of the National Defence University of Ukraine, in particular, the classroom funds, educational libraries, computers and specialized classes, conference rooms, the Internet and the internal academic network Moodle; for leisure activities: sports grounds, stadiums, swimming pool, comfortable hostels.</p>
Information, education and methodology support	<p>The library of the National Defence University of Ukraine is provided with scientific professional periodicals of the appropriate profile, including in electronic form. There is access to databases of periodicals in English.</p> <p>There is an official website of the National Defence University of Ukraine (https://nuou.org.ua), which contains basic information about the educational and scientific programs, curriculum, syllabuses of educational components, educational, educational and scientific, publishing activities of the National Defense University of Ukraine and its structure, educational and scientific structural units and their composition, admission rules, contact information, etc.</p> <p>Available: Internet access; wireless Internet access points; Moodle learning environment.</p> <p>The National Defence University of Ukraine has: curriculum and working curriculum; educational process schedules; work programs of academic disciplines; educational and methodological support for each academic discipline of the curriculum; didactic materials for independent and individual work of applicants in disciplines; textbooks, textbooks, lecture notes, etc. in accordance with the list of recommended literature in each academic discipline, the number of which meets the established requirements.</p> <p>Access of applicants to information and educational and methodological support is free of charge.</p>

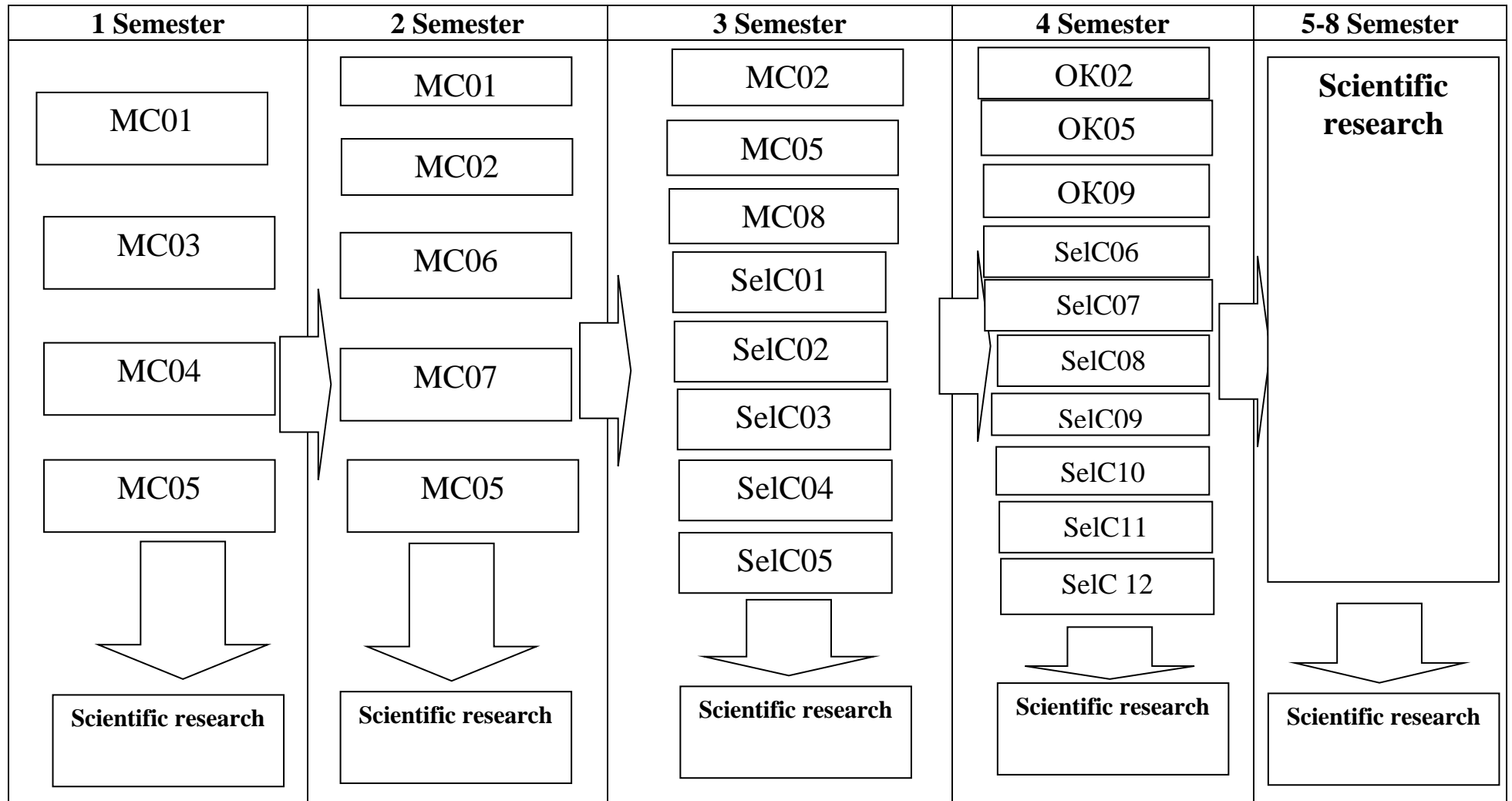
9 – Academic mobility	
National credit mobility	It is carried out in accordance with agreements and memorandums on scientific and scientific-technical cooperation with institutions of the National Sciences Academy of Ukraine, universities and scientific organizations
International credit mobility	It is carried out in accordance with the requirements established by the legislation of Ukraine for the preservation of state secrets within the limits. In accordance with cooperation agreements with foreign military universities, joint educational and scientific projects (ERASMUS +, DEEP UKRAINE Programme), involvement in international conferences
Training of foreign applicants for higher education	According to special agreements within the framework of educational and research projects

II. The list of educational and scientific program components and its logical sequence

Educational program components, academic disciplines		Number of study hours / Number of credits	Form summary. Control
Mandatory components of the educational and scientific program			
1. General training cycle – 720/24			
<i>1.1. 2. Obtaining general scientific (philosophical) competencies</i>		270/9	
MC 1	1.1.1. Philosophy and methodology of science	90/3	Examination
MC 2	1.1.2. Methodology and theory of general, professional and military pedagogy	180/6	Examination
<i>1.2. 3. Gaining universal researcher skills</i>		270/9	
MC 3	1.2.1. Methodology, theory and technology of pedagogical research	90/3	Examination
MC 4	1.2.2. Application of modern information technologies in scientific activity	90/3	DT
MC 5	1.2.3. Work fundamentals of scientific projects and scientometric databases	90/3	DT
<i>1.3. 4. Getting language competencies</i>		180/6	
MC 6	1.3.1. Foreign language in scientific and pedagogical activities	180/6	Examination
2. The cycle of professional training – 300/10			
<i>2. 1. Gaining in-depth knowledge of the specialty</i>		300/10	
MC 7	1.2.1. History of Ukrainian pedagogy and pedagogical ideas	90/3	Examination
MC 8	1.2.3. Professional and pedagogical competence of a pedagogical and research worker	90/3	Examination
<i>2.2. Practice</i>			
MC 9	Pedagogical (research) practice	120/4	Report
Scope of the mandatory components:		1020/34	
3. Scientific component			
3.1.	Scientific research	5580/186	Defense
3.2.	Evaluation by the scientific advisor(s)	240/8	Report
Selective components			
The applicant chooses academic disciplines from the list of selective disciplines from this educational and scientific program or other educational programs. Or the applicant can form his block of selective disciplines. Moreover, the applicant has the right to choose individual modules (topics) in academic disciplines in agreement with the teacher and supervisor, the form and procedure for reporting for a separate module (topic). The total amount of selective components is 12 ECTS credits. Reporting form - differentiated test.			
<i>Obtaining general scientific (philosophical) competencies</i>			

SelC 1	Methodology and techniques for a dissertation preparation and defense	3	DT
<i>Obtaining universal research skills</i>			
SelC 2	Statistical methods in psychological and pedagogical research	3	DT
SelC 3.	Research competence of a scientist	3	DT
SelC 4.	Technologies and research methods in physical education and sports	3	DT
<i>Obtaining in-depth knowledge of the specialty</i>			
SelC 5 .	Psychology of scientific and pedagogical activity	3	DT
SelC 6	Psychology of professional deformation and destruction of a university teacher	3	DT
SelC 7	Methodological competence of a university teacher	3	ДЗ
SelC 8.	Research and pedagogical activities of physical education and sports teachers	3	DT
SelC 9	Actual problems of cross-cultural communication in the military-professional environment	3	DT
SelC 10	Innovative technologies and methods in physical education and sports	3	DT
<i>Practice (selective)</i>			
SelC 12	Pedagogical practice (additional)	3	Report
SelC13	Research practice (additional)	3	Report
Total amount of selected components of the PhD student		360/12	
The total amount of the educational program		1380/46	
The total amount of the educational components of the educational and scientific program		7200/240	
Certification		Successful completion of the curriculum is a precondition for admission to the defense. Preparation and discussion of the dissertation. Thesis defense.	

2.2 Organizational and logical scheme of the educational and scientific program.



III. Form of certification of higher education applicants

<p>Form of certification of higher education applicants</p>	<p>The certification of PhD students is carried out in accordance with the curriculum for the preparation of Doctors of Philosophy in the specialty 011 - Educational and Pedagogical Sciences. In the process of training doctors of philosophy, two forms of certification are used: intermediate and final. In accordance with the current regulatory documents of the Ministry of Education and Science of Ukraine and the National Defense University of Ukraine, the final certification of graduates completing the Doctor of Philosophy program is mandatory.</p> <p>The purpose of intermediate certification is to monitor the implementation of the individual plan of the adjunct in all components provided for in the individual curriculum</p> <p>The purpose of the final certification is to establish the actual compliance of the level of educational and scientific training of graduates of the adjunct program with the requirements of the educational and scientific program of the Doctor of Philosophy in specialty 011 Educational, Pedagogical Sciences.</p>
<p>Requirements for qualification work (if any)</p>	<p>The main research and professional qualification function of the Doctor of Philosophy dissertation in the specialty 011 - "Educational, Pedagogical Sciences" is assigned to the main research and professional qualification function, which is expressed in the ability of the applicant for the degree of Doctor of Philosophy to conduct independent scientific research, solve applied scientific pedagogical problems and carry out their scientific generalization in the form of their own contribution to the development of modern pedagogical science. It is the result of the independent scientific work of an adjunct and has the status of an intellectual product on the rights of a manuscript.</p> <p>The volume of the dissertation should be 110-155 pages (from 4.5 to 7 author's sheets).</p> <p>The requirements for the dissertation are regulated by the order of the Ministry of Education and Science of Ukraine dated 12.01.2017 No. 40.</p> <p>The dissertation research is checked for academic integrity.</p> <p>The dissertation is published on the official website of the university.</p>
<p>Requirements for public defense (if any)</p>	<p>The Doctor of Philosophy degree is awarded by the Specialized Academic Council of the National Defense University of Ukraine as a result of successful completion of the relevant educational and research program and the public defense of scientific achievements in the form of a dissertation.</p> <p>In accordance with the Resolution of the Cabinet of Ministers of Ukraine No. 44 of January 12, 2022 "Procedure for awarding the degree of Doctor of Philosophy and cancellation of the decision of a one-time specialized academic council of a higher education institution, scientific institution to award the degree of Doctor of Philosophy", the public defense of the dissertation is held at a meeting of the specialized academic council of a higher education institution, which is created for a one-time defense of the dissertation.</p> <p>The dissertation defense should be in the form of an open scientific discussion, in which the chairman and members of the council are obliged to participate, as well as those who wish to attend the meeting. A meeting of the council is considered valid if the full council participates in it and votes.</p> <p>The certification ends with the issuance of a document of the established form on awarding the degree of Doctor of Philosophy to the applicant.</p>

IV. Matrix of correspondence of program competencies to the components of the educational and scientific program

Code of the discipline competencies	MC 01	MC 02	MC 03	MC 04	MC 05	MC 06	MC 07	MC 08	MC 09	SeIC 01	SeIC 02	SeIC 03	SeIC 04	SeIC 05	SeIC 06	SeIC 07	SeIC 08	SeIC 09	SeIC 10	SeIC 11	SeIC 12
IC 01	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC 01	+	+		+			+	+	+	+		+	+	+							
GC 02			+	+			+	+	+	+		+					+			+	+
GC 03			+	+							+		+								+
GC 04			+	+	+					+		+	+								+
GC 05								+	+			+	+	+	+	+	+	+	+	+	+
GC 06						+						+						+			
SC 01		+	+	+			+	+	+				+								+
SC 02			+	+				+	+	+	+	+	+								
SC 03	+		+	+	+	+															+
SC 04		+						+	+					+	+	+	+		+	+	
SC 05								+	+					+		+	+		+	+	
SC 06						+												+			
SC 07														+	+			+			
MSc 01		+	+	+		+		+	+	+		+	+	+							+
MSc 02	+	+	+	+	+				+	+	+	+	+								+
MSc 03								+		+		+		+	+	+	+		+	+	

V. 6. Matrix of providing program learning outcomes with relevant components of the educational and scientific program

Code of the discipline competencies	MC 01	MC 02	MC 03	MC 04	MC 05	MC 06	MC 07	MC 08	MC 09	SeIC 01	SeIC 02	SeIC 03	SeIC 04	SeIC 05	SeIC 06	SeIC 07	SeIC 08	SeIC 09	SeIC 10	SeIC 11	SeIC 12	
PLO 01						+												+				
PLO 02		+					+							+			+				+	
PLO 03			+																			
PLO 04				+				+	+	+	+	+	+									+
PLO 05					+			+	+				+			+	+			+	+	
PLO 06		+	+				+	+					+	+	+	+	+					+
PLO 07				+				+	+	+	+	+	+									+
PLO 08	+							+				+		+		+						

VI. List of research areas for higher education PhD students

1. The system of military professional training of military personnel from different countries of the world (at the choice of the student).
2. Theoretical and methodological foundations of professional training of servicemen of various categories (at the choice of the student).
3. Formation of professional subjectivity of servicemen of different categories (at the choice of the student).
4. Development of professional subjectivity of servicemen of different categories (at the choice of the student).
5. Formation of professional competence of servicemen of different categories (at the choice of the student).
6. Development of professional competence of servicemen of different categories (at the choice of the student).
7. Formation of professionally important qualities of different categories of servicemen (at the choice of the student).
8. Development of professionally important qualities of different categories of servicemen (at the choice of the student).
9. Development of professional competence of military education teachers.
10. The system of military professional education of military personnel from different countries of the world (at the choice of the student).
11. Formation of different types of competence in servicemen of different categories (at the choice of the student).
12. Development of different types of competence in military personnel of different categories (at the choice of the student).
13. Formation of managerial culture in servicemen of different categories (at the choice of the student).
14. Development of managerial culture in servicemen of different categories (at the choice of the student).
15. Other topics of the PhD student's choice that are of significant interest to pedagogical science in general and to the Armed Forces of Ukraine in particular.