Education Institution
«Belarusian State Pedagogical University named after Maxim Tank»

APPROVED
Vice-Rector for Academic Affairs
_____ A.V. Makovchik
_____ 2023
Registration No. УД-03-531-2023/р

RESEARCH SEMINAR PROGRAMME
"Academic Literacy of a Teacher-Researcher"

Academic programme of the higher education institution
for the specialty
7-06-0111-01 Scientific and Pedagogical Activity

2023

The academic programme is compiled on the basis of the educational standard of advanced higher education in the specialty 7-06-0111-01 Scientific and Pedagogical Activity (31.05.2023 No. 163) and the curriculum for the specialty 7-06-0111-01 Scientific and Pedagogical Activity (22.06.2023 No. 116-2023/ya.)

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Department of Pedagogy of the education institution "Belarusian State Pedagogical University named after Maxim Tank"
(Minutes No. 14 as of 30.05.2023)

Head of the Department S.N. Sirenko

Scientific and Methodological Council of the education institution "Belarusian State Pedagogical University named after Maxim Tank"
(Minutes No. 7 dated 11.07 .2023)

The format of the programme and accompanying materials corresponds to the current requirements of the Ministry of Education of the Republic of Belarus

Methodologist of the Master's Studies Department A.I.Garunchik

EXPLANATORY NOTE

Goals of the research seminar **"Academic Literacy of a Teacher-Researcher"**:

1) stimulating and increasing the level of independent research activities of students and promoting the quality of master's research;

2) theoretical justification, scientific and methodological support of the issues under study within the framework of ongoing master's research.

Objectives of the research seminar:

1) substantiation of the methodological basis of the master's research and identification of the conditions and requirements for the use of methods of scientific and pedagogical research of the problem developed in the master's thesis;

2) scientific substantiation of the problems of master's research and disclosure of their conceptual (theoretical) foundations;

3) study of educational innovations, effective teaching experience and their relationship with the problems under study;

4) designing proprietary technologies and creating scientific and methodological developments on the problems under study;

5) identification of requirements for the organization of experimental work and diagnostic tools within the framework of ongoing master's research.

The seminar implements the idea of the practice-oriented nature of advanced higher education and contributes to the construction of an individual educational trajectory of a master's student. It is aimed at immersing the postgraduate in studying the problems of organizing and conducting pedagogical research, presenting its results.

Requirements for the developed competencies.

The research seminar ensures the formation of universal competencies among postgraduates:

– AC-1. To apply the methods of scientific knowledge in research activities, generate and implement innovative ideas;

– AC-6. To be able to predict the conditions for the implementation of professional activities and solve professional problems in conditions of uncertainty.

According to the curriculum of the specialty 7-06-011-01 Scientific and Pedagogical Activity. Profiling: Pedagogy. The History of Pedagogy and Education, the programme of the research seminar is designed for 180 hours of extracurricular work for the full-time form and part-time form of higher education (of which 90 hours are allocated in the 1st semester and 90 hours - in the 2nd semester).

Scientific and methodological assistance, consulting, direct guidance

and control over the work of the master's student are provided by the scientific supervisor.

Interim certification is carried out in the form of a **test** by the supervisor of the master's programme in accordance with the curriculum of the specialty in the 1st and 2nd semester.

The credit is awarded for positive results in mastering the research seminar programme based on the master's student's report which contains the assessment of the supervisor (Appendix 2).

The study load of the discipline is 6 credit units.

CONTENT OF THE RESEARCH SEMINAR

The research seminar involves the implementation of individual trajectories of students as it is carried out on the basis of an individual programme developed jointly with the scientific supervisor (Appendix 1). The individual programme of the seminar is associated with the implementation of master's research, programmes of research and scientific-pedagogical practice, as well as the development of academic disciplines provided for by the curriculum of the specialty.

TOPICS OF INDIVIDUAL AND GROUP CONSULTATIONS, SEMINARS, CLASSES AND CONTENT OF INDEPENDENT RESEARCH ACTIVITIES OF MASTER STUDENTS

No.	Topics and content of research activities	Forms work	Number of hours
1	2	3	4
1.	The main methodological approaches to conducting master's research. Identifying methodological requirements for organizing master's research	Consultations, independent work	20
2.	Selection of effective methods of scientific and pedagogical research and identification of requirements for their use, taking into account the specifics of the problem under study	Consultations, independent work	20
3.	Study and analysis of the sources on the research problem, compilation of bibliography and analytical materials	Independent work	20
4.	Study and disclosure of the theoretical and scientific foundations of the problems under study within the framework of master's thesis and their scientific and practical significance for the development of pedagogical science and practice	Consultations, independent work	20
5.	Innovative approaches and effective technologies in pedagogy and education: essence, examples and relationship with the master's problems under study: 1. Increasing the problem-research level of the educational process: problem-based, heuristic learning, case method. learning technology as research, project-based learning technology. 2. STEM approach in education. Educational robotics as a means of developing students' creative activity and competencies. 3. Advanced education as a response to the challenges of the digital revolution.	Seminar, self-guided long-term work	20

1	2	3	4
	Conditions ensuring the advanced nature of education. 4. From informatization to digitalization of education. Open education. Blended learning. Distance learning. 5. Education for sustainable development. Project activities of students in the field of sustainable development issues. 6. The competency-based approach in education and its methodological significance as a tool for designing generalized results and contextual content of education. A competency-based task as an important element of training content and a means of developing and diagnosing competencies. 7. Universal social and personal competencies as new educational results. Mechanisms that ensure the development of competencies in the educational process. The role of universal or flexible competencies in preparing graduates for life in modern society. The importance of digital and hybrid competencies in a digital society and in the context of robotization of the economy. 8. Personality in the digital age: conditions for full development and ways of self-realization. Problems of education in modern society. 9. Universal professional competencies of a teacher: essence and conditions of development. Ways of increasing the adaptation of young teachers to professional activities		
6.	Designing proprietary technologies and creating scientific and methodological developments during master's research: Approaches, principles and stages of designing (development) proprietary technology (system). Justification of the conditions for the implementation of scientific and methodological developments in other education institutions	Consultations, independent work	30
7.	Independent analytical, search, research activities of postgraduates with the aim to complete their master's thesis (search for sources and their analytical analysis, scientific substantiation of the problem, etc.)	Independent work	20

1	2	3	4
8.	Preparation of scientific and methodological articles (materials, theses) for publication	Consultations, independent work	20
9.	Participation and testing of scientific and practical results obtained during master's research at scientific and practical conferences, competitions, including competitions of pedagogical excellence	Independent work	20

INFORMATION AND METHODOLOGICAL SECTION

List of basic literature:

1. Жук, О. Л. Организация научно-педагогических исследований по проблеме формирования функциональной грамотности и компетенций / О. Л. Жук // Выш. шк. – 2022. – № 4. – С. 3–7.

2. Жук, О. Л. Условия обеспечения качества научно-педагогических исследований / О. Л. Жук // Выш. шк. – 2022. – № 3. – С. 11–15.

List of additional literature:

3. Бережнова, Е. В. Основы учебно-исследовательской деятельности : учеб. пособие / Е. В. Бережнова, В. В. Краевский. – 10-е изд., стер. – М. : Академия, 2015. – 124 с.

4. Жук, А. И. Методология исследования взаимодействий теории и практики образования в условиях обновления тезауруса педагогики / А. И. Жук, А. В. Торхова, О. Б. Даутова // Вес. БДПУ. Сер. 1, Педагогіка. Псіхалогія. Філалогія. – 2021. – № 2. – С. 6–10.

5. Жук, А. И. Методология исследования взаимодействий теории и практики образования в условиях обновления тезауруса педагогики / А. И. Жук, А. В. Торхова, О. Б. Даутова // Вес. БДПУ. Сер. 1, Педагогіка. Псіхалогія. Філалогія. – 2021. – № 2. – С. 6–10.

6. Жук, О. Л. Актуальные направления развития образования и научно-педагогических исследований в условиях цифровой трансформации / О. Л. Жук // Педагогика. – 2020. – № 3. – С. 5–14.

7. Жук, О. Л. Актуальные направления развития образования и научно-педагогических исследований в условиях цифровой трансформации / О. Л. Жук // Педагогика. – 2020. – № 3. – С. 5–14.

8. Жук, О. Л. Организация научно-педагогических исследований по проблеме формирования функциональной грамотности и компетенций / О. Л. Жук // Выш. шк. – 2022. – № 4. – С. 3–7.

9. Жук, О. Л. Условия обеспечения качества научно-педагогических исследований / О. Л. Жук // Выш. шк. – 2022. – № 3. – С. 11–15.

10. Загвязинский, В. Методология и методы психолого-педагогического исследования : учеб. пособие / В. Загвязинский, Р. Артаханов. – 6-е изд., стер. – М. : Академия, 2010. – 208 с.

11. Кадол, Ф. В. Концептуальные особенности научной разработки проблем воспитания / Ф. В. Кадол // Адукацыя і выхаванне. – 2015. – № 5. – С. 29–36 ; № 6. – С. 39–45.

12. Краевский, В. В. Методология педагогики: новый этап : учеб. пособие для студентов вуза / В. В. Краевский, Е. В. Бережнова. – 2-е изд. – М. : Академия, 2008. – 400 с.

13. Лазарев, В. С. О методологических и методических проблемах достоверности и доказательности в педагогических исследованиях / В. С. Лазарев, Н. Д. Подуфалов // Педагогика. – 2022. – № 9. – С. 5–18.

14. Мардахаев, Л. О методологии диссертационного исследования / Л. Мардахаев // Alma Mater. – 2007. – № 6. – С. 28–32.

15. Новиков, А. М. О предмете и структуре методологии / А. М. Новиков, Д. А. Новиков // Мир образования – образование в мире. – 2008. – № 1. – С. 29–40.

16. Новиков, Д. А. Методология: словарь системы основных понятий / Д. А. Новиков, А. М. Новиков. – М. : Либроком, 2013. – 208 с.

17. Новиков, Д. А. Статистические методы в педагогических исследованиях (типовые случаи) / Д. А. Новиков. – М. : МЗ-Пресс, 2004. – 65 с.

18. Образцов, П. И. Методы и методология психолого-педагогического исследования / П. И. Образцов. – СПб. : Питер : Питер принт, 2004. – 268 с.

19. Систематика терминологического аппарата педагогики в условиях парадигмальных изменений как фактор обновления содержания педагогического образования / А. И. Жук [и др.] ; под науч. ред. А. В. Торховой, О. Б. Даутовой. – Минск : Белорус. гос. пед. ун-т, 2019. – 308 с.

20. Снопкова, Е. И. Методология и методы педагогического исследования / Е. И. Снопкова, Е. А. Ярошевич. – Могилев : Могилев. гос. ун-т, 2019. – 208 с.

21. Чечет, В. В. Положения диссертации, выносимые на защиту: специфика структуры и содержания / В. В. Чечет // Адукацыя і выхаванне. – 2015. – № 9. – С. 59–62.

22. Шадриков, В. Д. О направлениях повышения качества диссертаций по педагогике / В. Д. Шадриков, Н. Х. Розов, А. В. Боровских // Высш. образование в России. – 2016. – № 3. – С. 53–60.

APPENDICES

Appendix 1

INDIVIDUAL PROGRAMME
OF THE RESEARCH SEMINAR

from ____ to _____ 20__

No.	The content of the work	Deadlines
1	Inception meeting in the form of a round table	September 20__
2	Development of an individual programme of a research seminar taking into account the topic of the master's research	_. 09.20__
3		
4		
5		
6		
7		
8		
	Preparation of a report on the implementation of an individual research seminar programme	
	Final seminar-conference	
	Evaluation of master's student's work. Test	

Appendix 2

REPORT

of the master's student of the _____ group studying in the specialty 7-06-0114-02 Educational Management (_____ form of training)

_____

Full Name

The research seminar took place from ____ to _____ 20__.

During the reporting period, in accordance with the individual plan for writing a master's thesis and taking into account the individual programme of the research seminar, the following work was completed:

1. ----------;
2. ----------;
3. ----------;

I completed the programme of the research seminar in full (partially completed, not completed).

« » _____ 20__ _____ / _____

student's signature full name

EVALUATION OF MASTER STUDENT'S WORK

_____

_____

_____

« » _____ 20__ _____ / _____

supervisor's signature full name

INTERDISCIPLINARY COMPLIANCE OF THE ACADEMIC PROGRAMME IN THE ACADEMIC DISCIPLINE

The educational discipline to be complied with	Department	Proposals for changes in the content of the academic programme of the higher education institution in the educational discipline	The decision made by the Department that has developed the academic programme (with the date and the minutes number)
Pedagogical Experimentation in Modern Socio-Cultural Conditions	Department of Pedagogy	No proposals	Minutes No. _____as of 21.04.2023
Methodology of Pedagogical Research	Department of Pedagogy	No proposals	Minutes No. _____as of 21.04.2023