

Документ подписан простой электронной подписью
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**Federal State Autonomous Educational Institution
higher education "Peoples' Friendship University of Russia»**

Graduate School of Industrial Policy and Entrepreneurship

(name of the main educational unit (PMO) the developer of the postgraduate program)

Approved at the meeting of the Scientist
Council of the GSIPaE protocol No 8
dated "16" March 2022

**PLAN
SCIENTIFIC ACTIVITIES**

Scientific specialty:

5.2.3-Regional and sectoral econom

(code and name of scientific specialty)

**Scientific research is carried out as part of the implementation of the
postgraduate program:**

Economics of innovation

(name of postgraduate program)

1. PURPOSE OF RESEARCH

The purpose of scientific research is to develop the worldview of a graduate student as a professional scientist, to form and improve the skills of independent research work, including the formulation and correction of a scientific problem, work with various sources of scientific and technical information, conduct original scientific research independently and as part of a scientific team, discuss the results. scientific research in the process of free discussion in a professional environment, presentation and preparation for publication of the results of research work, as well as preparation of a dissertation for the degree of candidate of science in the chosen field.

2. REQUIREMENTS FOR THE PERFORMANCE OF SCIENTIFIC RESEARCH

As part of the implementation of scientific research, postgraduate students should:

- Correspond to the main problems of the profile of the educational program, according to which the preparation of a scientific qualification work (dissertation) is underway;
- Be relevant, contain scientific novelty and practical significance;
- Be based on modern theoretical, methodological and economic achievements of domestic and foreign science and practice;
- Use modern methods of scientific research;
- Be based on modern methods of processing and interpreting data using computer technology;
- Contain theoretical (methodological, practical) sections, consistent with the scientific provisions defended in the Ph.D. thesis

The content of the research work is determined in accordance with the chosen profile and the topic of the Ph.D.

3. STAGES OF PERFORMING RESEARCH

As a result of scientific research, a graduate student must:
know:

- features and principles of organization of research work;
- works of domestic and foreign authors on research issues;
- methods of scientific research;
- stages of scientific research in the field of economics and a typical structure of the results of scientific research;

be able to:

- justify the choice of the topic of scientific research, formulate goals and objectives, the object and subject of research, determine the structure of scientific research and methods for its implementation;
- independently plan and conduct scientific research, analyze the results and draw appropriate conclusions;
- draw up scientific reports, scientific qualification work, scientific and technical documentation, a dissertation for the degree of candidate of economic sciences in accordance with the all-Russian standards and standards of the Peoples' Friendship University of Russia.

own:

- skills of independent research activity;
- skills of research work in research teams;
- scientific communication skills.

4.SCOPE OF RESEARCH

The total labor intensity of scientific research is 150 credits (5400 academic hours).

Scientific research is a precursor for the postgraduate student to pass the state final certification. Preparation of a dissertation for defense includes the implementation of an individual plan of scientific activity, writing, design and submission of a dissertation for final certification. The plan of scientific activity includes an approximate plan for the implementation of scientific research, a plan for preparing a dissertation and publications that set out the main scientific results of the dissertation, as well as a list of stages for mastering the scientific component of the postgraduate program, the distribution of these stages and the final certification of postgraduate students.

The plan of scientific activity of a particular student is approved in the individual plan of scientific activity of a postgraduate student, the requirements for which are established by the relevant local normative act of the RUDN University.

5. STAGES OF PERFORMING RESEARCH

Stage name	Stage content (topics, activities)	Labor intensity academician hour.
1 course		
<p>Section 1. Scientific activity of a postgraduate student aimed at preparing a dissertation.</p> <p>Definition of research topics. Collection and abstracting of scientific literature.</p>	<p>Definition of research topics. Goals, objectives, research prospects are formulated. The relevance and scientific novelty of the work is determined. Together with the supervisor, the topic of scientific research is formulated and the structure of the work is determined. Approval of the individual educational plan.</p> <p>Discussion at the meeting of the department and recommendation for the approval of the topic of the dissertation research at the meeting of the department and at the meeting of the Academic Council of the VSPPiP</p>	1476
<p>Section 2. Theoretical part of the study. Working with sources of scientific and economic information on the subject of scientific research. Preparation of publications that outline the main scientific results of the dissertation. Collection and abstracting of scientific literature, allowing to determine the goals, objectives, object and subject of research</p>	<p>A search and analysis of scientific periodicals on the subject of scientific research is carried out. The theoretical part of the study is being developed, including a review of the existing scientific literature, theories, concepts and approaches to the analysis of the issues studied by graduate students, the study of world experience, the formulation of independent theoretical conclusions.</p> <p>Development of Chapter 1 of the dissertation for the degree of candidate of economic sciences, approved by the supervisor.</p> <p>Scientific report at the meeting of the department at the end of the first year of</p>	72

	study in graduate school. Preparation of at least 1 publication on the topic of research work. Participation in scientific conferences	
Intermediate certification		18
	TOTAL:	1566
2 course		
Section 1. Scientific activity of a postgraduate student aimed at preparing a dissertation for defense	Research methodology. Techniques and methods are listed that allow revealing the variety of factors influencing the studied phenomena. The procedure for obtaining the necessary materials is deciphered - the collection of digital statistical data, the study of documentation, observation, survey, experiment, etc. The methodology for conducting the experiment is indicated - the scheme of the planned experiments, the expected results. Basic provisions for defense. Report on the structure of research work. Indication of chapters and paragraphs, disclosure of their content. Theoretical, laboratory, experimental studies in the amount of 75%.	1080
Section 2. Preparation of publications that outline the main scientific results of the dissertation	Participation in scientific conferences to test scientific research. At least 4 publications on the topic of research work in peer-reviewed publications.	432
Intermediate certification		18
	TOTAL:	1530
3 course		
Section 1. Scientific activity of a postgraduate student aimed at preparing a dissertation for defense	Theoretical, laboratory, and experimental studies have been finalized in accordance with the remarks of the PhD student's supervisor. The manuscript of the research work should be submitted for discussion to the responsible department. Based on the results of the discussion, the conclusion of the organization is prepared in the form of an extract from the minutes of the meeting of the department	1080
Section 2. Preparation of publications that outline the main scientific results of the dissertation	Participation in scientific conferences to test scientific research. At least 5 publications on the topic of research work in peer-reviewed publications.	576
Chapters 3. Conclusions (conclusions) of the dissertation for the degree of candidate of economic sciences, approved by the supervisor.	Construction of a structural scheme of research with the selection of optimal research methods, determined by the subject of research and logistics. The graduate student performs the experimental part of the work and carries out the generalization and construction of the structural scheme of the	288

	<p>study with the selection of optimal research methods, determined by the subject of the study and material and technical support. The graduate student performs the experimental part of the work and generalizes and systematizes the results of the research using modern computing technique, performs mathematical or statistical processing of the received data, develops practical conclusions and recommendations on the subject of scientific research. Development of Chapter 3, conclusions (conclusions) of the dissertation for the degree of candidate of economic sciences, approved by the supervisor.</p>	
Intermediate certification	Report at the seminars of the scientific group or at the meeting of the department	18
TOTAL:		1962

6. LOGISTICS AND TECHNICAL SUPPORT OF SCIENTIFIC RESEARCH

Audience type	Audience equipment	Specialized educational / laboratory equipment, software and materials for mastering the discipline (if necessary)
Lecture	Auditorium 101 for conducting lecture-type classes, equipped with a set of specialized furniture; board (screen) and technical means of multimedia presentations.	Asus F6A laptop, Casio XJ-S400UN multimedia projector, Casio XJ-V100W multimedia projector, GEHA 244*244 projection screen, Draper 203*1 electric cable screen, Defender Mercury 35 MkII speaker system, Philip TV
Seminar	Auditorium 103 for conducting seminar-type classes, group and individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and technical means for multimedia presentations.	Notebook Asus F6A, Multimedia projector Casio XJ-S400UN, Motorized screen Digis Electra MW DSEM - 1105
Computer class	Computer class 19 for conducting classes, group and individual consultations, current control and intermediate certification, equipped with personal computers (in the amount of 21), a board (screen) and technical means of multimedia presentations.	Monoblock Lenovo Intel I5 10160T/8 GB/256 GB/audio, monitor 24", Multimedia projector Casio XJ-V100W, Digis motorized screen

Audience type	Audience equipment	Specialized educational / laboratory equipment, software and materials for mastering the discipline (if necessary)
For independent work of students	Auditorium 29 for independent work of students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to EIOS.	Monoblock Lenovo AIO-510-22ISH Intel I5 2200 MHz/8 GB/1000 GB/DVD/audio, monitor 21", Multimedia projector Casio XJ-V100W, Motorized screen Digis Electra 200*150 Dsem-4303

7. RESEARCH METHODS

Scientific research can be carried out both in structural subdivisions of RUDN University or in organizations of Moscow (stationary), and at bases located outside of Moscow (exit).

Conducting scientific research on the basis of an external organization (outside RUDN University) is carried out on the basis of an appropriate agreement, which specifies the terms, place and conditions for performing scientific research in the base organization.

The deadlines for the implementation of scientific research correspond to the period indicated in the calendar academic schedule of the postgraduate program. The timing of the internship can be adjusted upon agreement with the Department for the Training of Highly Qualified Personnel of the RUDN University.

Main literature:

1. Fatkhutdinov R.A. Management decisions. M.: Master: INFRA-M, 2018.
2. Agarkov, A. P. Management of innovation activity: A textbook for use in the educational process of educational organizations implementing higher education programs in the areas of training "Management", "Innovation" (bachelor's level) / A. P. Agarkov, R. S. Heads. – 2nd edition. - Moscow: Publishing and Trade Corporation "Dashkov and K", 2020. - 204 p.
3. Alekseev, A. A. Innovative management: textbook and workshop for universities / A. A. Alekseev. - 2nd ed., revised. and additional - Moscow: Yurayt Publishing House, 2021. - 259 p.
4. Alekseeva, M. B. Analysis of innovation activity: textbook and workshop for universities / M. B. Alekseeva, P. P. Vetrenko. - Moscow: Yurayt Publishing House, 2021. - 303 p.
5. Baranchev, V.P., Maslennikova N.P., Mishin V.M. Management of innovations: a textbook for academic undergraduate studies. - 3rd ed., revised. and additional - Moscow: Yurayt Publishing House, 2019. - 747 p.
6. Belyaev, Yu. M. Innovative management: a textbook for bachelors / Yu. M. Belyaev. - 2nd ed., revised. - Moscow: Publishing and Trade Corporation "Dashkov and Co", 2020. - 218 p.

7. Boeva, A. A. Methods of innovative management of an enterprise in a market economy / A. A. Boeva, Yu. V. Pakhomova // Organizational, economic and managerial aspects of the functioning and development of socio-economic systems in an innovative economy: Collection of scientific works based on the materials of the All-Russian Scientific and Practical Conference, Voronezh, May 23, 2019. - Voronezh: Voronezh State Technical University, 2019. - P. 34-42.

8. Vasilevskaya, I. V. Innovative management: study guide / I. V. Vasilevskaya. – 3rd ed. - Moscow: RIOR, 2019. - 129 p.

9. Gorfinkel, V. Ya. Innovative management: textbook / ed. V.Ya. Gorfinkel, T.G. Popadyuk. – 4th ed., revised. and additional - Moscow: University textbook: INFRA-M, 2021. - 380 p.

10. Gribov, V. D. Innovation management: textbook / V. D. Gribov, L. P. Nikitina. - Moscow: INFRA-M, 2019. - 311 p.

11. Danilina, E. I. Innovative management in personnel management: textbook for bachelors / E. I. Danilina, D. V. Gorelov, Ya. I. Malikova. - 2nd ed. - Moscow: Publishing and Trade Corporation "Dashkov and Co", 2020. - 208 p.

12. Darmilova, Zh. D. Innovative management: textbook for bachelors / Zh. D. Darmilova. - 2nd ed., revised. - Moscow: Publishing and Trade Corporation "Dashkov and Co", 2020. - 168 p.

13. Juha, V. M. Innovative management. Course in diagrams and tables: TEACHING AID on the discipline "Innovation Management" (Electronic resource) / V. M. Dzhukha, T. A. Saltanova. - Rostov-on-Don: Rostov State University of Economics "RINH", 2020. - 68 p.

14. Zvereva, T. M. The need to update the forms and methods of management in the context of the use of innovative management / T. M. Zvereva // Electronic scientific journal. - 2020. - No. 1 (30). – S. 67-70.

15. Innovation management: Teaching aid

16. Innovation management in Russian business / A. V. Borshcheva, M. S. Santalova, I. V. Soklakova, I. L. Surat. – 2nd edition. - Moscow: Publishing and Trade Corporation "Dashkov and K", 2020. - 198 p.

17. Innovative management as an object of management / Yu. I. Minina, K. D. Shlyapin, D. A. Evdokimova, A. I. Gorbacheva // Bulletin of modern research. - 2020. - No. 7-7 (37). - S. 52-58.

18. Innovation management: a textbook for universities / under the general editorship of L. P. Goncharenko. - 2nd ed., revised. and additional - Moscow: Yurayt Publishing House, 2021. - 487 p.

19. Kibanov A.Ya. Organizational personnel management - M.: INFRA-M, 2018.

20. Vikhansky O.S., Naumov A.I., Management: Textbook - 6th ed., Revised. and additional - M.: Master, NIC INFRA-M, 2017. - 656 p.

b) Further reading:

1. Journal "Management in Russia and abroad";

2. Journal "Russian Journal of Management";

3. Journal "Bulletin of the Peoples' Friendship University of Russia. Series Economics";

4. Other Russian and foreign scientific journals on the profile Economics of innovation

c) software and Internet resources:

1. For a successful internship, a graduate student uses the following software:

- MS Word, MS Excel, MS Power Point;

- Browsers;

- Internet resources (sites of scientific journals, databases and citation bases)

5. Recommended materials on the official websites of international and regional economic organizations, Russian and foreign authorities; d) databases, information and reference and search systems:

6. Databases UNIBCR RUDN University:

- Electronic catalog - the database of books and periodicals in the fund of the RUDN library.

- Electronic resources - including the section: Licensed resources UNIBTS (NB):

- University Library ONLINE (website of the RUDN Library - Access mode: <http://lib.rudn.ru/> - from desktop computers of PFUR);

- SPRINGER. Publisher's book collections

- Bulletin of RUDN (access mode: <http://www.elibrary.ru/defaultx.asp>); - East Vi

Resources of the information and telecommunications network "Internet":

1. RUDN ELS and third-party ELS, to which university students have access on the basis of concluded agreements:

- RUDN Electronic Library System - RUDN EBS <http://lib.rudn.ru/MegaPro/Web>

- ELS "University Library Online" <http://www.biblioclub.ru>

- EBS Yurayt <http://www.biblio-online.ru>

- ELS "Student Consultant" www.studentlibrary.ru

- EBS "Lan" <http://e.lanbook.com/>

- EBS "Trinity Bridge"

2. Databases and search engines:

- electronic fund of legal and normative-technical documentation <http://docs.cntd.ru/>

- Yandex search engine <https://www.yandex.ru/>

- Google search engine <https://www.google.ru/>

- abstract database SCOPUS <http://www.elsevierscience.ru/products/scopus/>

- . <http://minobrnauki.rf/> _ Ministry of Education and Science of the Russian Federation Educational and methodological materials for scientific research*:

8. ОЦЕНОЧНЫЕ МАТЕРИАЛЫ И СИСТЕМА ОЦЕНИВАНИЯ

Ресурсы информационно-телекоммуникационной сети «Интернет»:

1. ЭБС РУДН и сторонние ЭБС, к которым студенты университета имеют доступ на основании заключенных договоров:

- Электронно-библиотечная система РУДН – ЭБС РУДН <http://lib.rudn.ru/MegaPro/Web>
- ЭБС «Университетская библиотека онлайн» <http://www.biblioclub.ru>
- ЭБС Юрайт <http://www.biblio-online.ru>
- ЭБС «Консультант студента» www.studentlibrary.ru
- ЭБС «Лань» <http://e.lanbook.com/>
- ЭБС «Троицкий мост»

2. Базы данных и поисковые системы:

- электронный фонд правовой и нормативно-технической документации <http://docs.cntd.ru/>

- поисковая система Яндекс <https://www.yandex.ru/>

- поисковая система Google <https://www.google.ru/>

- реферативная база данных SCOPUS

<http://www.elsevierscience.ru/products/scopus/>

- <http://минобрнауки.рф/> _ Министерство образования и науки РФ

Учебно-методические материалы для выполнения научных исследований*:

8. EVALUATION MATERIALS AND ASSESSMENT SYSTEM OF STUDENTS ON THE RESULTS OF THE PERFORMANCE OF SCIENTIFIC RESEARCH

Mandatory activities of the student:

1 year of study:

- preparation and discussion at the department of the concept of the dissertation and approval of the topic;

- preparation of historiographical and experimental/source base of the research;

- presentation at a scientific conference;

- preparation of a scientific article;

- Determining the relevance, scientific character and applied value of the topic of research work. Scientific novelty of the formulation of the question and the distinctive features of the research work in comparison with similar works performed by other authors

- Literature review (at least 100 titles).

- preparation of the first chapter of the dissertation

2nd year of study:

- presentation at a scientific conference;

- publication of at least three scientific articles, including two scientific articles on the research topic in a publication included in the list of RUDN University or SCOPUS, Web of Science and others equivalent to them and / or approved by the RUDN Academic Council;

- preparation of the second chapter of the dissertation

- preparation of the first chapter of the dissertation

3rd year of study:

- preparation of the entire dissertation and presentation to the supervisor;

- publication of at least three scientific articles, including two scientific articles on the research topic in publications included in the list of the Higher Attestation Commission and/or RUDN University and SCOPUS, Web of Science, other equated to them and/or approved by the RUDN Academic Council;

- discussion of the dissertation at a meeting of the department;

Based on the results of the stages of identifying scientific research, the graduate student submits a detailed oral or written report to the supervisor or to the meeting of the PMU. The report includes information characterizing the content of the postgraduate student's work and reflecting the implementation of scientific research.

The report should include information about:

- about the degree of readiness of the dissertation;

- on the preparation and publication of articles in journals included in the list of the Higher Attestation Commission, RSCI, Scopus, Web of Science and others equivalent to them and / or approved by the RUDN Academic Council;

- about the participation of a graduate student in scientific and technical events on the topic of his research;

- on participation in the research work of the department (with participation);

- other.

During the period of interim certification, the supervisor provides feedback on the quality, timeliness and success of the postgraduate student's stages of scientific (research) activities.

The results of scientific research for each year of study are determined by conducting an intermediate certification with grading "excellent", "good", "satisfactory", "unsatisfactory" and in the ECTS system (A, B, C, E). The basis for their nomination is the point-rating system adopted at the University.

DEVELOPERS:

Candidate of Economics, Associate Professor of the Department
Applied Economics

S.Yu. Murtuzalieva

Program Manager
Doctor of Economics, Professor of the Department
Applied Economics

A.A. Chursin