Federal State Autonomous Educational Institution of Higher Education "Peoples' Friendship University of Russia"

Faculty of Economics

SCIENTIFIC RESEARCH PROGRAM

Name of the training practice Scientific research

Recommended for training / specialty direction: 38.06.01 The Economy

Program focus (profile): 08.00.10 "Finance, money circulation and credit" (Full-time education)

Qualification of the graduate: research teacher

1. Objectives of scientific research:

The research work of the PhD student is the most important component of the third level of higher education. Block 3 "Scientific Research" includes the performance of scientific research and the preparation of scientific and qualification work (thesis) for the degree of candidate of science (diploma PhD). After choosing the training orientation of the program, the set of relevant disciplines (modules) and practices becomes compulsory for mastering the students.

The aim of scientific research is to form the view of a PhD student as a professional scientist, formation and improvement of skills of independent scientific research work, including setting and adjusting the scientific problem, working with various sources of scientific and technical information, conducting an original scientific research independently and as part of a scientific team, discussing the results of scientific research in the process of free discussion in a professional environment, presentation and preparation for publication of the results of scientific research work, and preparing a thesis for the degree of candidate of sciences in the chosen profile.

Scientific research of the PhD student should:

- To correspond to the main problems of the profile of the educational program, according to which the scientific and qualification work (the thesis) is being prepared;
- Be relevant, contain scientific novelty and practical significance;
- To be based on modern theoretical, methodical and economic achievements of domestic and foreign science and practice;
- Use modern methods of scientific research;
- To be based on modern methods of processing and interpreting data using computer technology;
- Contain the theoretical (methodological, practical) sections, agreed with the scientific provisions, defended in the thesis.

The content of the research work is determined in accordance with the chosen profile and the topic of the candidate's thesis

2. The role of research practice in the structure of the educational program

Scientific research refers to the same block 3, includes research activities and the preparation of scientific qualification work (thesis) for the degree of candidate of science.

Scientific research is the main activity of a graduate student and is conducted on a regular regular basis throughout the entire period of study in graduate school. Scientific research is based on knowledge gained as a result of mastering the basic educational programs of higher education (master's level, specialty).

The development of this discipline as a prior one is necessary for the passage of scientific and industrial practice and state final certification.

3. The process of studying the discipline is aimed at the formation of the following competencies:

As a result of mastering the postgraduate program, the graduate should have competence:

- readiness to use modern methods and technologies of scientific communication in the state and foreign languages (UC-4);
- ability to follow ethical standards in their professional activities (UC-5);
- ability to plan and solve problems of own professional and professional personal development (UC-6).

A graduate who has mastered the post-graduate program should have the following general professional competencies:

- ability to independently carry out research activities in relevant professional field with the use of modern methods research and information and communication technologies (GPC-1);
- readiness to organize the work of the research team in the scientific industry, relevant field of study (GPC-2);
- readiness for teaching activities on educational programs higher education (GPC-3).
- ability to conduct fundamental and applied scientific research, research and development and processes (PC-3.1);

- skills of implementation of scientific results in the field of Finance, money circulation and credit relations (PC-3.2);
- ability to develop scientific ideas about the finances of the state, corporations and enterprises; the relationship and interdependence arising in the process of functioning and interaction of various parts of the financial system; structure the mechanism of financial interaction of state, public and corporate Finance; financial flows and capital flows; structural elements of monetary-credit system; cash flows in the economy; objective laws formation of monetary relations at the micro-and macro-levels (PC-3.3).

As a result, the student PhD must:

KNOW:

- features and principles of organization of scientific work;
- works of domestic and foreign authors on the research problem;
- methods of conducting scientific research;
- stages of economic research and its model structure.

TO KEEP:

- formulate the goals and objectives of the study, independently plan and conduct research, analyze the results obtained and draw the appropriate conclusions, make out scientific and technical documentation;

OWN:

- the skills of scientific communication and research activity in the conditions of functioning of scientific research teams.

4. The volume and location of scientific research

The total complexity of Block 3 "Scientific Research" is 90 credits (3240 hours). Scientific research is carried out during the entire period of study, the volume for 1 year of study is 1080 hours or 30 credits, the second year of study 1080 hours or 30 credits, 3 years of education - 1080 hours or 30 credits.

The distribution of the volume of scientific research on sections (topics), semesters, types of educational work and forms of control.

Name	Total	Semesters					
	hours/ credits	1 year of study		2 year of study		3 year of study	
		1	2	3	4	5	6
Scientific research	3564/99	648/18	432/12	648/18	432/12	648/18	756/21
forms of intermediate certification *(by semesters)*	Passed	Passed	Passed	Passed	Passed	Passed	Passed

Required minimum content of scientific research

№ п/п	**Required minimum content of scientific research**	**total hours**
1	Definition of research subjects. Collection and abstracting of scientific literature, allowing to determine the goals and objectives of the scientific work.	810
2	The choice and practical development of research methods on the topic of scientific work. Execution of the experimental part of the scientific work.	810
3	Statistical processing and analysis of experimental data on the results of scientific work	972
4	Making a scientific report on the main results of the NKR	972
total:		3564

5. Forms and content of scientific research:

- Study of reference and bibliographic systems, ways of searching for information. - Acquisition of work skills with bibliographic directories, compilation of scientific and bibliographic lists, use of bibliographic description in scientific works.

- Work with electronic databases of domestic and foreign library collections.

- Work with the empirical base of the research in accordance with the chosen topic of the thesis for obtaining the scientific degree of candidate of economic sciences (drawing up a program and an empirical research plan, setting and formulating the tasks of empirical research, determining the object of empirical research, choosing the methodology of empirical research, studying methods for collecting and analyzing empirical data).

- Carrying out statistical and sociological studies related to the theme of graduate qualification work of the graduate student.

- Mastering the techniques of questioning and interviewing (drafting a questionnaire, interviewing, analyzing and summarizing the results).

- Mastering the techniques of observation, experimentation and modeling.

- Consideration of questions on the topic of the dissertation.

- Preparation of arguments for scientific discussion, including public discussion. - Synthesis and preparation of the results of research activities of the graduate student for the continuation of scientific research within the system of postgraduate education.

№	Name	Content	Forms of monitoring
1	Definition of research subjects. Collection and abstracting of scientific literature, allowing goals and objectives research	The goals, tasks, and prospects for research are formulated. The urgency and scientific novelty of the work is determined. Together with the scientific adviser the theme of scientific research is formulated and the structure of work	Discussion at the meeting of the department and recommendation for approval themes of dissertational research
2	Choice and practical mastering methods research on R & D Performance experimental part of scientific research. Statistical processing and analysis of experimental data.	Construction of a structural and scientific research scheme with the selection of optimal research methods, determined by the research topic and logistics. The post-graduate student performs the experimental part of the work and generalizes and systematization of the results of the studies, using modern computational technique, performs mathematical (statistical) processing of the received data	Reports at scientific group seminars or department
3	Working with sources of scientific and economic information on the subject of scientific research	The search and analysis of scientific and periodical literature on the subject of scientific research is carried out.	Discussion with the supervisor and / or scientific group seminars
4			Reports on

	Approbation of the results of scientific research at scientific seminars, conferences, symposiums, schools of young scientists	Preparation of abstracts and text of reports, illustrative material. Speech with oral and poster presentations.	seminars, conferences, symposia, scientific schools, publications in the final proceedings of conferences
5	Preparation of publications on the results of scientific research in scientific journals, including those recommended by the Higher Attestation Commission of Russia for the publication of dissertations	Preparation of the working text of the article, discussion with the supervisor of studies, design of the article in accordance with the rules of the editorial office of the journal. Preparation of accompanying documents and sending materials to the editorial office. Work with the reviewer.	Publications in scientific journals, incl. international databases Wos and / or Scopus

6. Form of knowledge assessment

Rating system for assessing students' knowledge at the rate: The conformity of the assessment systems (previously used grades of academic achievement, ECTS and scoring system (BRS) assessments of current performance scores) (In accordance with Rector's Order No.996 of December 27, 2006):

BRS Points	Traditional assessments in the Russian Federation	Points for rating translation	Estimates	Estimates of ECTS
86 - 100	5	95 - 100	5+	A
		86 - 94	5	B
69 - 85	4	69 - 85	4	C
51 - 68	3	61 - 68	3+	D
		51 - 60	3	E
0 - 50	2	31 - 50	2+	FX
		0 - 30	2	F

Evaluation criteria

Period of study	**Research work**	**Participation in scientific and practical conferences**	**Publications**
attestation 1 semester	Approval of the topic of research work at the Academic Council of the University. Adoption of an individual curriculum. Determination of relevance, scientific and applied importance of the theme of scientific- research work. The scientific novelty of the formulation of the question and the distinctive features of scientific research work in comparison with similar works performed by other authors.	Participation in the scientific conference	

attestation 2 semester	Clear formulation of the purpose and objectives of the study. Delivered in the scientific- research tasks should be specific, realistic, proceed from the current state of the issue and suggestions for further improvement of further provisions. Definition of the object and subject of research, the choice of basic techniques. It is indicated, on what base it is supposed to conduct research on the topic as a whole and on its separate sections. Review of literature (at least 100 titles). Compilation of a program of theoretical and experimental research.	Participation in scientific conferences	At least 1 publication on the subject of scientific-research work.
attestation 3 semester	Methods of research. Lists techniques and methods that allow to reveal the variety of factors influencing the investigated phenomena. Deciphered the procedure for obtaining the necessary materials - collecting digital statistics, studying documentation, monitoring, questioning, experiment, etc. The technique of carrying out the experiment is indicated - the scheme of the planned experiments, the expected results. The main provisions to be defended. Theoretical, laboratory, experimental studies in the volume of 50%.	Participation in scientific conferences for approbation of scientific research	At least 2 publications on the subject of scientific-research work.
attestation 4 semester	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%.	Participation in scientific conferences for approbation of scientific research	At least 2 publications on the subject of scientific-research work.
attestation 5 semester	Theoretical, laboratory, experimental studies in a volume of 90% (draft version). The manuscript of scientific research should be presented to the scientific supervisor.	Participation in scientific conferences for approbation of scientific research	At least 2 publications on the scientific-research work in peer-reviewed publications, incl. international databases Wos and / or Scopus

attestation semester	Theoretical, laboratory, experimental studies in the volume of 100% (draft version). The manuscript of the research work should be submitted for discussion to the responsible department. Based on the results of the discussion, the organization's conclusion is prepared in the form of an extract from the protocol of the meeting of the department.	Participation in scientific conferences for approbation of scientific research	At least 2 publications on the scientific-research work in peer-reviewed publications, incl. international databases Wos and / or Scopus

To admit scientific qualification work to protection, at least 3 publications in the journals of the VAK are required, preferably at least 1 publication in the journals of the Wos DB and / or Scopus

7. Educational-methodical and information support of the discipline:

• Legal reference system "GARANT" - http://www.garant.ru/

• Legal reference system "Consultant Plus" - http://www.consultant.ru/

Internet sites:

1. http: //minobarnauk.rf/ _ Ministry of Education and Science of the Russian Federation
2. http://www.edscience.ru/index.php/jour the journal "Education and Science"
3. http://www.vovr.ru/ journal "Higher education in Russia"
4. http://www.russia.edu.ru/edu/ Education in Russia
5. http://www.rosforce.ru/obrazovanie-rossii/#club discussion club of the Ministry of Education and Science
6. http://www.edu.ru/ Russian education
7. http://ria.ru/education/ RIA Novosti, section "Education"
8. http://www.pedlib.ru/

1. The site of the library RUDN - Access mode: http://lib.rudn.ru/ - from stationary computers of the PFUR
2. Bulletin of the PFUR - Access mode: http://www.elibrary.ru/defaultx.asp
3. Full-text collection of Russian scientific journals. eLibrary.ru - Access mode: http://elibrary.ru/defaultx.asp?
4. On-line access to the journals. Information database on all branches of science and electronic delivery of documents. SwetsWise. - Access mode: https://www.swetswise.com
5. http://www.pedlib.ru/ Pedagogical Library

8. Logistics of educational practice/ Auditor fund, multimedia/

Equipment for demonstrating presentations of lecturer's lectures, reports and messages from students:

 Training classrooms (classrooms) with workplaces for conducting lectures (according to the number of students in the stream) and for conducting seminars (according to the number of students in certain groups);

 a stationary personal computer with a package of Microsoft Office 2007; multimedia projector;

 It is allowed to use portable equipment - laptop and projector;

 screen (stationary or portable outdoor).

Audience	Name	Name
29	Training audience	Multimedia projector - 1 pc., The screen - 1 pc.

101	Training audience	Multimedia projector - 2 pcs., Sound tribune - 1 pc., Screen -2 pcs.
103	Training audience	Multimedia projector - 1 piece, screen -1 pcs.
105	Training audience	Multimedia projector - 1 piece, screen -1 pcs.

9. Fund of Evaluation Means for Intermediate Attestation of Students in Pedagogical Practice

Department of "Finance and Credit"

Approved at the meeting of the department

«__» _____ 2018 г.

Protocol No.

Head of the Department of finance and credit

_____Bystryakov A.Ya.

Evaluation Fund

SCIENTIFIC RESEARCH

Recommended for training / specialty direction: 38.06.01 The Economy

Program focus (profile): 08.00.10 "Finance, money circulation and credit" (Full-time education)

Qualification of the graduate: research teacher

Passport of the Fund for Evaluation Tools for Scientific Research
Direction 38.06.01 "Economy"
Specialization "Finances, money circulation and credit"
Controlled competences
Model of Controlled Competencies

Code of Controlled Competence	Formulation of competence
UC-4	readiness to use modern methods and technologies of scientific communication in the state and foreign languages
UC-5	ability to follow ethical standards in their professional activities
UC-6	ability to plan and solve problems of own professional and professional personal development
GPC-1	ability to independently carry out research activities in relevant professional field with the use of modern methods research and information and communication technologies
GPC-2	readiness to organize the work of the research team in the scientific industry, relevant field of study
GPC-3	readiness for teaching activities on educational programs higher education
PC-3.1	ability to conduct fundamental and applied scientific research, research and development and processes
PC-3.2	skills of implementation of scientific results in the field of Finance, money circulation and credit relations
PC-3.3	ability to develop scientific ideas about the finances of the state, corporations and enterprises; the relationship and interdependence arising in the process of functioning and interaction of various parts of the financial system; structure the mechanism of financial interaction of state, public and corporate Finance; financial flows and capital flows; structural elements of monetary-credit system; cash flows in the economy; objective laws formation of monetary relations at the micro-and macro-levels

The program for assessing supervised competences

№	Competency Index	Name of valuation means
1	UC-4, UC-5, UC-6, GPC-1, GPC-2, GPC-3, PC-3.1, PC-3.2, PC-3.3.	Historical, theoretical and comparative analysis in the field of the problem under study. Presentation of the report in the form of a scientific text (scientific article, including international databases Wos and / or Scopus, abstract, part of the dissertation, etc.).
2	UC-4, UC-5, UC-6, GPC-1, GPC-2, GPC-3.	Review and review of scientific literature Submission of a report in the form of a summary report and / or the corresponding head of the dissertation
3	UC-4, UC-5, UC-6, GPC-1, GPC-2, GPC-3, PC-3.1, PC-3.2, PC-3.3.	1. Speech at scientific conferences. 2. Publication of scientific articles in the printed edition, Internet publication. Application for grants for research activities. 3. Preparation of a part of the dissertation work corresponding to the plan, developed jointly with the scientific adviser

When rating is used, the rating system is used, in accordance with the Regulation on the BRS of the assessment of the quality of mastering the basic educational programs adopted by the Decision of the Academic Council of the University (Minutes No. 6 of June 17, 2013) and approved by the Order of the University Rector from June 20, 2013.

The rating system

Points of the rating system	Traditional estimates of the Russian Federation	ESTC
95-100	**5**	**A**
86-94		**B**
69-85	**4**	**C**
61-68	**3**	**D**
51-60		**E**
31-50	**2**	**FX**
0-30		**F**
51-100	**Passed**	**Passed**

All types of educational work are carried out exactly at the time provided by the training program. If the graduate student has not fulfilled any of the assignments without valid reasons, then he is not awarded points for this type of work, and those prepared after the due work period are not evaluated.

Criteria for assessing knowledge, skills, competencies and competencies for the conduct of scientific research

Notation		**Formulating the requirements for the degree of competence formation**
№	Evaluation	
1	Unsatisfactory (not passed)	Does not have the necessary notions about the material being tested
2	Satisfactory or Unsatisfactory (not passed / passed) (at the discretion of the supervisor)	Know at the level of orientation, representations. The subject of the teaching knows the main features or terms of the studied element of content, their relation to a particular science, industry or objects, learns them in texts, images or diagrams and knows which sources need to be addressed for more detailed assimilation
3	Satisfactory (passed)	Know and be able at the reproductive level. The subject of the teaching knows the studied element of content reproductively:
4	Good (passed)	arbitrarily reproduces his knowledge verbally, in writing or in demonstrated actions
5	Excellent (passed)	To know, be able, to own at the analytical level. Knowing at the reproductive level, to point out the features and interrelations of the studied objects, their dignity, limitations, history and development prospects and features for different learning objects

The program is compiled in accordance with the requirements of the basic standard of higher education PFUR / Federal State Educational Standard

Developer:

Assistant Professor of the department Finance and Credit / Akhmedov F.N/

Head of the department Finance and credit Bystryakov A.Ya./