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**Federal State Autonomous Educational Institution Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA NAMED AFTER
PATRICE LUMUMBA**

Higher School of Management

(educational division(faculty/institute/academy) as programme developer)

Innovation management and foreign economic activity

(department realizing the PHD program)

SCIENTIFIC RESEARCH PLAN

Scientific specialty:

5.2.3. - Regional and sectoral economics

(scientific specialty code and title)

The PHD student's internship is implemented within the PHD programmes:

Economy of innovations

(PHD program title)

1.DISIPLINE (MODULE) GOAL

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 LEARNING OUTCOMES

The result of scientific research is the solution of a scientific problem that is important for the development of the relevant branch of science, or the development of a new scientifically based technical, technological or other solution that is essential for the development of the country. Preparation of a dissertation for defense includes the implementation of an individual plan of scientific activity, writing, design and submission of the 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 present 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 specific student is approved in the individual plan of scientific activity of a postgraduate student, the requirements for which are established by the relevant local regulatory act of RUDN.

3. WORKLOAD OF THE DISCIPLINE AND TYPES OF ACTIVITIES

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

4. RESEARCH CONTENTS

Stage name	Stage content (topics, activities)	Labor intensity academician hour.
	1 year	
Scientific activity of a postgraduate student aimed at preparing a dissertation.	Discussion with the supervisor of the concept and approval of the topic of the dissertation research. Discussion at a department meeting and recommendation for approval of the dissertation research topic at a department meeting and at a meeting of the Academic Council of the Higher School of Management	1472

Publication Activity	Definition of research topics. Collection and abstracting of scientific literature. Publication of articles 1-2 articles on the topic of dissertation research	
	Carrying out a literature review to determine the degree to which the problem has been <u>developed</u> Conducting scientific research (collecting data, conducting experiments/experiments and processing their results) Registration of scientific research results. Preparation of chapter 1 of the dissertation	
Preparation of publications outlining basic scientific research	Preparation of scientific articles for publication in <u>peer-reviewed scientific publications (minimum 1)</u> Speaking at specialized scientific conferences/seminars, including preparation of <u>materials (presentations and reports) (minimum – 1)</u> Preparation of applications for participation in grant competitions (optional)	214
Intermediate certification	Presentation of a report on the results of scientific activities aimed at preparing a dissertation for <u>defense</u>	2
	Providing a report on publications that outline the main results of scientific research, and discussing publications at a department meeting	2
	2 year	
Scientific activity of a postgraduate student aimed at preparing a dissertation for defense	Conducting scientific research (collecting data, conducting experiments/experiments and processing <u>their results</u>) Registration of scientific research results. Chapter 2 - laboratory, experimental research - in a volume of at <u>least 75%</u> . Preparation of applications for participation in grant competitions	1400
Preparation of publications outlining the main scientific results of the dissertation	Preparation of applications for participation in grant competitions	432
Intermediate certification	Submission of a report on the results of scientific activities aimed at preparing a dissertation for defense	2
	Providing a report on publications that outline the main results of scientific research, and discussing publications at a department meeting	2

Scientific activity of a postgraduate student aimed at preparing a dissertation. Definition of research topics. Collection and abstracting of scientific literature.	Discussion with the supervisor of the concept and approval of the topic of the dissertation research. Discussion at a department meeting and recommendation for approval of the dissertation research topic at a department meeting and at a meeting of the Academic Council of the Higher School of Management	1472
	Carrying out a literature review to determine the degree to which the problem has been <u>developed</u> Conducting scientific research (collecting data, conducting experiments/experiments and processing <u>their results</u>) Registration of scientific research results. Preparation of chapter 1 of the dissertation	
Preparation of publications outlining basic scientific research	Preparation of scientific articles for publication in <u>peer-reviewed scientific publications (minimum 1)</u> _ Speaking at specialized scientific conferences/seminars, including preparation of <u>materials (presentations and reports) (minimum – 1)</u> _ Preparation of applications for participation in grant competitions (optional)	214
Intermediate certification	Presentation of a report on the results of scientific activities aimed at preparing a dissertation for <u>defense</u>	2
	Providing a report on publications that outline the main results of scientific research, and discussing publications at a department meeting	2
	2 year	
Scientific activity of a postgraduate student aimed at preparing a dissertation for defense	Conducting scientific research (collecting data, conducting experiments/experiments and processing <u>their results</u>)_ Registration of scientific research results. Chapter 2 - laboratory, experimental research - in a volume of at <u>least 75%</u> . Preparation of applications for participation in grant competitions	1400
Preparation of publications	Preparation of applications for participation in grant competitions	432

outlining the main scientific results of the dissertation		
Intermediate certification	Submission of a report on the results of scientific activity aimed at preparing a dissertation for defense Providing a report on publications that outline the main results of scientific research, and discussing publications at a department meeting	2 2
	3 year	
Scientific activity of a postgraduate student aimed at preparing a dissertation for defense	Research (collecting data, conducting and <u>processing their results</u>) Registration of scientific research results. Finalization of chapters 1 and 2 of the dissertation, preparation of chapter 3. Submission to the department of a manuscript of a dissertation for the degree of Candidate of Economic Sciences	1652
Preparation of publications that outline the main scientific results of the dissertation	Preparation of scientific articles for publication in <u>peer-reviewed scientific publications (minimum –5)</u> Speaking at specialized scientific conferences/seminars, including preparation of <u>materials (presentations and reports) (minimum 1)</u> Preparation of applications for patents for inventions, utility models, industrial designs, breeding achievements (optional)	214
Intermediate certification	Presentation of a report on the results of scientific activities aimed at preparing a dissertation for defense	2
	Providing a report on publications that outline the main results of scientific research, and discussing publications at a department meeting	2
TOTAL:		5400

5. EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

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

Audience type	Audience equipment	Specialized educational / laboratory equipment, software and materials for mastering the discipline (if necessary)
		projection screen, Draper 203*1 electric cable screen, Defender Mercury 35 Mkll 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
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

6. INTERNSHIP LOCATION AND TIMELINE

Scientific research can be carried out both in the structural divisions of the RUDN University named after P. Lumumba or in organizations in Moscow (stationary), and at bases located outside of Moscow (travelling).

Conducting scientific research on the basis of an external organization (outside the PFUR named after P. Lumumba) is carried out on the basis of an appropriate agreement, which specifies the terms, place and conditions for carrying out scientific research in the base organization.

The deadlines for completing scientific research correspond to the period specified in the academic calendar of the postgraduate program. The timing of the internship can be adjusted in agreement with the Department of Training of Highly Qualified Personnel of the RUDN University named after P. Lumumba.

7. EDUCATIONAL - METHODOLOGICAL AND INFORMATION SUPPORT FOR SCIENTIFIC RESEARCH

Main literature:

1. Agarkov, A. P. Innovation management: A textbook for use in the educational process of educational organizations implementing higher education programs in the areas of training "Management", "Innovation" (bachelor's degree level) / A. P. Agarkov, R. S. Golov. – 2nd edition. – Moscow : Publishing and Trading Corporation "Dashkov and K", 2020. – 204 p.
2. Alekseev, A. A. Innovative management: textbook and workshop for universities / A. A. Alekseev. – 2nd ed., reprint. and additional – Moscow : Yurait Publishing House, 2021. – 259 p.
3. Alekseeva, M. B. Analysis of innovative activity : textbook and workshop for teachers / M. B. Alekseeva, P. P. Vetrenko. – Moscow : Yurait Publishing House, 2021. – 303 p
4. Barancheev, V. P. Innovation management: textbook for universities / V. P. Barancheev, N. P. Maslennikova, V. M. Mishin. — 3rd ed., reprint. and add. — Moscow : Yurait Publishing House, 2022. — 747 p. — (Higher education). — URL: <https://urait.ru/bcode/488625>.
5. Vasilevskaya, I. V. Innovative management: a textbook / I. V. Vasilevskaya. – 3rd ed. — Moscow: RIOR, 2022. — 129 p.
6. Gorfinkel, V. Ya. Innovative management: textbook / edited by V.Ya. Gorfinkel, T.G. Popadyuk. – 4th ed., reprint. and additional – Moscow : University textbook : INFRA-M, 2021. —380 pp .
7. Lapin, N. I. Theory and practice of innovation: textbook for universities / N. I. Lapin, V. V. Karacharovskiy. – 2nd ed. – Moscow : Yurait Publishing House, 2021. – 350 p.
8. Lebedeva, S. R. On some aspects of modern innovation management: challenges, tools, methods / S. R. Lebedeva, N. N. Pokutnyaya // Innovations in the management of socio-economic systems (RCIMSS-2020) : Proceedings of the national (All-Russian) scientific and practical conference. – Moscow: Rusains Limited Liability Company, 2020. – pp. 86-94.
9. Murashova, A. P. Innovative approach in enterprise management / A. P. Murashova // Tribune of the scientist. - 2020. – No. 11. – pp. 567-577.
10. Nizhegorodtsev R.M. Economics of innovation: a textbook / Nizhegorodtsev R.M. – 4th ed.- Moscow : Yurait Publishing House- 2023.-153 p.
11. Spiridonova, E. A. Innovation management: textbook and workshop for universities / E. A. Spiridonova. — Moscow : Yurait Publishing House, 2022. — 298 p. — (Higher education). — URL: <https://urait.ru/bcode/494062>
12. Khotyashева, O. M. Innovative management : textbook and workshop for universities / O. M. Khotyashева, M. A. Slesarev. – 3rd ed., reprint. and additional – Moscow : Yurait Publishing House, 2021. – 326 p.
13. Tsygankova, V. N. Practicum on innovation management / V. N. Tsygankova. – Volgograd : Volgograd State Technical University, 2020. – 60 p.
14. Theoretical innovation: textbook and workshop for universities / I. A. Brusakova [et al.]; edited by I. A. Brusakova. – Moscow : Yurait Publishing House, 2021. – 333 p.
15. Innovative management / edited by V. Ya. Gorfinkel et al. M.: University textbook, 2019.
16. Innovative management. Harvard Business Review: 10 best articles. Moscow: Alpin Publisher, 2020.
17. Formation of the digital economy in Russia: challenges, prospects, risks: a monograph / edited by E. B. Lenchuk. – St. Petersburg: Aletya, 2020. – 320 p.
18. Innovative economics: a textbook for universities / E. Y. Sidorova [et al.]; edited by E. Y. Sidorova. — Moscow : Yurait Publishing House, 2022. — 334 p. — (Higher education). — URL: <https://urait.ru/bcode/507880>
19. Innovation policy: a textbook for universities / K. N. Nazin [et al.]; edited by K. N. Nazin, D. I. Kokurin, S. I. Agabekov. — Moscow : Yurait Publishing House, 2022. — 232 p. — (Higher education). — URL: <https://urait.ru/bcode/495044>

20. Economics of innovation: an educational and methodological guide for bachelors / Edited by N.P. Ivashchenko. — M.: Faculty of Economics of Lomonosov Moscow State University, 2021. — 194 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. ASSESSMENT TOOLKIT AND GRADING SYSTEM FOR EVALUATION OF PHD STUDENTS' COMPETENCES LEVELS AS SCIENTIFIC RESEARCH RESULTS

Based on the results of the stages of scientific research, the graduate student submits a detailed oral or written report to the supervisor or to a department meeting. The report includes information

characterizing the content of the graduate student's work and reflecting the implementation of scientific research.

The report must include information:

- about the degree of readiness of the dissertation;
- on the preparation and publication of articles in journals included in the list of Higher Attestation Commission, RSCI, Scopus, Web of Science and others equated to them and/or approved by the Academic Council of RUDN University;
- on 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 scientific supervisor provides feedback on the quality, timeliness and success of the graduate student's stages of scientific activity.

The results of scientific research for every six months of study are determined by conducting an intermediate certification with grades "excellent", "good", "satisfactory", "unsatisfactory" and in the ECTS system (A, B, C, D, E) in accordance with the score -RUDN rating system.

DEVELOPERS:

Candidate of physical and mathematical sciences,
associate professor of the department of
innovation management
and foreign economic activity

 A.S. Semenov

HEAD OF THE DEPARTMENT

Doctor of economics, professor of the department
of innovation management
and foreign economic activity

 A. I. Kashirin