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

Higher School of Management
(educational division (faculty/institute/academy) as programme developer)

Department Innovative Management and Foreign Economic Activity
(department realizing the PhD program)

SCIENTIFIC RESEARCH PLAN

Scientific specialty:

5.2.3. Regional and sectoral economy
(scientific speciality code and title)

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

Economics of Innovation
(PhD program title)

2026

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 scientific activity plan, writing, registration and presentation of a dissertation for final certification.

The scientific activity plan includes an approximate plan for the implementation of scientific research, a plan for the preparation of a dissertation and publications that outline the main scientific results of the dissertation, as well as a list of stages of mastering the scientific component of the postgraduate program, the distribution of these stages and the final certification of graduate students.

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

3. WORKLOAD OF THE DISCIPLINE AND TYPES OF ACTIVITIES

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.

4. RESEARCH CONTENTS

Stage name	**Stage content (topics, activities)**	**Labor intensity academician hour.**
1 course		

Section 1. Scientific activity of a postgraduate student aimed at preparing a dissertation. Definition of research topics. Collection and abstracting of scientific literature.	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. 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 HSM	1476
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	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. Development of Chapter 1 of the dissertation for the degree of candidate of economic sciences, approved by the supervisor. Scientific report at the meeting of the department at the end of the first year of study in graduate school. Preparation of at least 1 publication on the topic of research work. Participation in scientific conferences	72
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,	1080

	laboratory, experimental studies in the amount of 75%.	
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 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.	288
Intermediate certification	Report at the seminars of the scientific group or at the meeting of the department	18
TOTAL:		**1962**

5. EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

The place of scientific research shall comply with the current sanitary and epidemiological requirements, fire safety regulations and standards of health protection of the students.

The research plan requires classrooms that meet the safety requirements for academic work, if necessary, a computer room with workstations that provide Internet connection, as well as classrooms with multimedia equipment.

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
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 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.

Practice dates can be adjusted in coordination with the Department of Doctoral Studies of the RUDN University

7. EDUCATIONAL-METHODOLOGICAL AND INFORMATION SUPPORT FOR SCIENTIFIC RESEARCH

Main readings:

1. Alekseev, A. A. Innovation management: textbook and practical course for universities /A. A. Alekseev. – 2nd ed., revised. Moscow: Yurait Publishing House, 2023. – 259 p

2. Barancheev, V. P. Innovation management: a textbook for universities / V. P. Barancheev, N. P. Maslennikova, V. M. Mishin. — 3rd ed., reprint. and add. Moscow: Yurait Publishing House, 2023. 747 p. (Higher education). — URL: https://urait.ru/bcode/488625.

3. Vasilevskaya, I. V. Innovation management: a textbook / I. V. Vasilevskaya. – 3rd ed. — Moscow: RIOR, 2023. — 129 p.

4. Innovative economics: a textbook for universities / under the general editorship of E. Y. Sidorova. Moscow: Yurait Publishing House, 2025. 334 p. (Higher education). — ISBN 978-5-534-15480-1. — Text: electronic // Educational platform Yurayt [website]. — URL: https://urait.ru/bcode/568192 (date of request: 02/21/2025).

5. Matveeva, L. G. Innovation management in the digital economy: textbook / L. G. Matveeva, A. Y. Nikitaeva; Southern Federal University. - Rostov-on-Don; Taganrog: Southern Federal University Publishing House, 2024. - 178 p. - ISBN 978-5-9275-4626-8. - Text: electronic. - URL: https://znanium.ru/catalog/product/2180502 (date of notification: 02/21/2025). – Access mode: by subscription.

6. Nizhegorodtsev R.M. Economics of innovation: a textbook / Nizhegorodtsev R.M. – 4th ed.- Moscow: Yurait Publishing House- 2023.-153 p.

7. Fundamentals of innovation activity: a textbook for secondary professional education / executive editor S. V. Maltseva. Moscow: Yurait Publishing House, 2025. 517 p. (Professional education). — ISBN 978-5-534-17989-7. — Text : electronic // Yurayt educational platform [website]. — URL: https://urait.ru/bcode/566728 (date of request: 02/21/2025).

8. Khotyasheva, O. M. Innovative management: textbook and workshop for universities / O. M. Khotyasheva, M. A. Slesarev. – 3rd ed., revised. and additional – Moscow: Yurayt Publishing House,

2023. – 326 p.

9. Chursin A.A. Competitiveness management in ensuring national technological security / A.A.Chursin. Moscow: Ekonomika Publ., 2024. 543 p.

10. Innovative economics: a textbook for universities / E. Y. Sidorova [et al.]; under the general editorship of E. Y. Sidorova. Moscow: Yurait Publishing House, 2023. 334 p. (Higher education). — URL: https://urait.ru/bcode/507880

Additional readings:

1. Agarkov, A. P. Innovation management: Textbook for use in the educational process of educational organizations implementing higher education programs in the fields of Management and Innovation (Bachelor's degree) / A. P. Agarkov, R. S. Golov. – 2nd edition. – Moscow: Publishing and Trading Corporation "Dashkov and K", 2020. – 204 p.

2. Bolonin A.I., Ragulina Yu.V. Innovations in the development of the economy and society. Monografiya / Moscow, 2019.

3. Innovation management. Harvard Business Review: 10 best articles. Moscow: Alpi-na Publisher, 2020.

4. Formation of the digital economy in Russia: Challenges, prospects, risks: a monograph / ed. by E. B. Lenchuk. St. Petersburg: Aleteya Publ., 2020, 320 p.

5. Glazyev S.Y. A leap into the future. Russia in new technological and world economic structures. Moscow: Knizhny Mir, 2019. 768 p.

6. Gokhberg L. M., Ditkovsky K. A., Evnevich E. I., Kuznetsova I. A., Martynova S. V., Ratai T. V., Fridlyanova S. Yu., Rosovetskaya L. A. Indicators of innovation activity: 2020: statistical collection. Moscow: National Research University "Higher School of Economics", 2020.

7. Lebedeva, S. R. On some aspects of modern innovation management: challenges, tools, methods / S. R. Lebedeva, N. N. Pokutnaya // 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.

8. Murashova, A. P. Innovative approach in enterprise management / A. P. Murashova // Tribune of the Scientist. – 2020. – No. 11. – pp. 567-577.

9. Jeen S., Kenmuk L. Samsung's path: Change management strategies from a world leader in innovation and design / translated from English by O. Shevel. Moscow: Olymp-Business, 2020. 368 p.

10. Dranaeva A.A., Kokuitseva T.V., Rusinov A.A.Innovation potential as a condition for economic growth in the region: a monograph; edited by Professor, Doctor of Economics A.A. Chursin. Moscow: Spektr,

2012. - 277 p. ISBN 978-5-209-10845-0 – 96 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.

Internet sourses:

ELS RUDN University and third party EBS, to which university students have accessbased signed contracts:

- RUDN Electronic Library System - EBS RUDN http://lib.rudn.ru/MegaPro/Web
- EBS "University Library Online" http://www.biblioclub.ru
- EBS - "Yurayt Educational Platform" http://www.biblio-online.ru
- EBS "Student Consultant" www.studentlibrary.ru , integrated into the EBS of the RUDN

Databases and search engines:

* information about universal and specialized information bases for selection and inclusion in the program must be taken from the UNIBC (NB) website, link to the section https://lib.rudn.ru/8

- https://rosstat.gov.ru / - Portal of the Federal State Statistics Service
- https://www.e-disclosure.ru / - portal of the Center for Corporate Information Disclosure of Interfax
- SCOPUS is a scientometric, abstract database with organized access to open access publications http://www.elsevierscience.ru/products / scopus/
- WOS is a scientometric, abstract database with organized access to open access publications webofscience.com

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 PhD 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 PhD 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, Russian Science Citation Index, Scopus,

Web of Science and others equated to them and/or approved by the Academic Council of RUDN University;

– on the participation of a PhD 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 interim certification period, the supervisor provides feedback on the quality, timeliness and success of the PhD 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 rating system.

DEVELOPERS:

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