

Документ подписан простой электронной подписью
Информация о владельце:
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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 of Compliance and Controlling

(department realizing the PhD program)

COURSE SYLLABUS

Methodology of scientific research

(name of the discipline/module)

Scientific specialty:

5.2.3. Regional and sectoral economy

(scientific speciality code and title)

The course instruction is implemented within the PhD programmes:

Economics of Innovation

(PhD program title)

1. DISCIPLINE (MODULE) GOAL

The objective of mastering the discipline "Methodology of scientific research" is the formation of students' methodological and scientific culture, a system of knowledge, skills and abilities in the field of organizing and conducting scientific research, in particular, during the performance of dissertation work.

Tasks:

- mastering the logic of dissertation research by students
- mastering by students the structure of the study, the terminological apparatus, the necessary attributes of the dissertation research.
- familiarity with the ways and sources of obtaining information
- mastering information processing methods.
- mastering the methodology of registration and presentation of the results of scientific research.

2. REQUIREMENTS TO THE PHD- STUDENTS ON FINISHING THE COURSE

As a result of completing the discipline " Methodology of Scientific Research ", a graduate student must:

To know: the theory of management, independently carry out research activities in the relevant professional field using modern research methods and information and communication technologies.

Be able to: analyze and evaluate modern scientific achievements, generate new ideas when solving scientific and scientific-educational tasks.

Possess (gain experience): scientific terminological apparatus and necessary attributes of dissertation research.

3. WORKLOAD OF THE DISCIPLINE AND TYPES OF ACTIVITIES

The overall workload of the discipline «Methodology of scientific research» is 1 credit (36 academic hours)

Type of activities	TOTAL, ac.h.	Semesters			
		1	2	3	4
<i>Classroom activities, ac.h.</i>					
including:					
Lectures (LC)	12	12			
Laboratory work (LW)					
Practical/seminar classes (P/SC)	6	6			
<i>Independent work</i>					
Overall workload					
The overall complexity of the discipline	ac.h.	18	18		
	zach.ed.	Test	Test		

4. THE CONTENT OF THE DISCIPLINE

Name of the discipline section	The content of the section (topic)	Type of study work
Section 1. Theoretical and practical approaches to conducting dissertation research	Topic 1.1. Formation of the topic of the dissertation research. Passports of specialties. The roadmap of the dissertation research	LC
	Topic 1.2. The structure and logic of the dissertation research	LC
	Topic 1.3. Information sources and databases	LC
	Topic 1.4. Analytical and economic-mathematical methods of dissertation research	LC
	Topic 1.5. Formation of the dissertation research plan	LK

Name of the discipline section	The content of the section (topic)	Type of study work
	Topic 1.6. Preparation of a presentation for the approval of the topic of the dissertation research	P/SC
Section 2. Presentation and design of the dissertation research	Topic 2.1. The design of the dissertation and abstract (sections, structure and logic of presentation)	LK, P/SC
	Topic 2.2. Preparation of the presentation of the results of the dissertation research	P/SC

5. EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Room Type	Room Equipment	Specialized educational/laboratory equipment, software and materials for the development of the discipline (if necessary)
Lecture hall	An auditorium for conducting lecture-type classes, equipped with a set of specialized furniture; a blackboard (screen) and technical means of multimedia presentations.	The graduate student's individual workplace must be equipped with a personal device with Internet access. A mobile phone is not a device capable of technically providing access to all information resources and services for mastering modules. Computer classes/classrooms should be equipped with multimedia and computer equipment with Internet access.
Seminar room	An auditorium for conducting seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification, equipped with a set of specialized furniture and multimedia presentation equipment.	
Computer class	A computer classroom for conducting classes, group and individual consultations, ongoing monitoring and intermediate certification, equipped with personal computers (in the amount of ___ pcs.), a blackboard (screen) and multimedia presentation equipment.	
For students to work independently	An auditorium for students to work independently (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to EIOS.	

6. METHODOLOGICAL SUPPORT AND REARNING MATERIALS

Main readings:

1. Afanasyev, V. V. Methodology and methods of scientific research: textbook for universities / V. V. Afanasyev, O. V. Gribkova, L. I. Ukolova. — 2nd ed., revised and add. Moscow: Yurait Publishing House, 2025. 147 p. (Higher education). — ISBN 978-5-534-17663-6. — Text: electronic // Educational platform Yurayt [website]. — URL: <https://urait.ru/bcode/558820> (date of request: 03/19/2025).

2. Belyaev, V. I. Methodology of scientific research: textbook / V. I. Belyaev, O. V. Kuznetsova. — Moscow: KnoRus, 2024. — 432 p. — ISBN 978-5-406-13114-5. — URL: <https://book.ru/book/953746> (date of request: 03/19/2025). — Text: electronic.

3. Boush G.D., Razumov V.I. Methodology of scientific research (in candidate's and doctoral dissertations): textbook / G.D. Boush, V.I. Razumov. — Moscow: INFRA-M, 2025.-250 p.

4. Dreschinsky, V. A. Methodology of scientific research: textbook for universities / V. A. Dreschinsky. — 2nd ed., revised and add. Moscow: Yurait Publishing House, 2023. 274 p. (Higher education). — URL: <https://urait.ru/bcode/492409>

5. Kargin, N. N. Methodology of scientific research: textbook / N.N. Kargin, S.I. Izaak. Moscow: INFRA-M, 2024. 259 p. (Higher education: Master's degree). — DOI 10.12737/1882577. - ISBN 978-5-16-017831-8. - Text: electronic. - URL: <https://znanium.ru/catalog/product/2128046> (date of request: 02/18/2025). — Access mode: by subscription.

6. Kargin N. N., Izaak S. S., Rozhkov P. P., Ivanus A. A. Methodology of scientific research. Moscow, INFRA-M, 2026, ed. 0, 259 pages. DOI: 10.12737/1882577 Available at: <https://naukaru.ru/ru/nauka/textbook/4003/viewysclid=mkguoe0fjy991953408> (accessed: 01/16/2026)

7. Moki, M. S. Methodology of scientific research: a textbook for universities / M. S. Moki, A. L. Nikiforov, V. S. Moki; edited by M. S. Moki. — 3rd ed., reprint. and add. Moscow: Yurait Publishing House, 2025. 259 p. (Higher education). — ISBN 978-5-534-18527-0. — Text: electronic // Educational platform Yurayt [website]. — URL: <https://urait.ru/bcode/560221> (date of request: 02/18/2025).

8. Moky M. S., Nikiforov A.L. Methodology of scientific research: a textbook for universities / M. S. Moky, A. L. Nikiforov, V. S. Moky; edited by M. S. Mokia. — 3rd ed., reprint. and add. Moscow: Yurait Publishing House, 2024. 259 p. (Higher education). — ISBN 978-5-534-18527-0. — Text: electronic // Educational platform Yurayt [website]. — URL: <https://urait.ru/bcode/560221>

9. Seletkov S. G. Methodology of dissertation research: textbook for universities / S. G. Seletkov. Moscow: Yurait Publishing House, 2022. 281 p. (Higher education). — URL: <https://urait.ru/bcode/496644>

10. Ovcharov, A. O. Methodology of scientific research: textbook / A.O. Ovcharov, T.N. Ovcharova. — 2nd ed., ispr. and add. Moscow: INFRA-M, 2023. 310 p. + Additional materials [Electronic resource]. — (Higher education). — DOI 12737/1846123. -ISBN 978-5-16-017366-5. - Text: electronic. - URL: <https://znanium.com/catalog/product / 1913251>

11. Ovcharov A. O., Ovcharova T. N. Methodology of scientific research. Moscow, INFRA-M, 2026, ed. 0, 310 pages. DOI: 10.12737/1846123 Available at: <https://naukaru.ru/ru/nauka/textbook/3670/viewysclid=mkgtolgj1e825171828> (accessed: 01/16/2026)

Additional readings:

12. Methodology and methods of scientific research textbook / G. V. Dmitrienko, D. V. Mukhin; Ministry of Science and Higher Education of the Russian Federation, Federal State Budgetary Educational Institution of Higher Education "Ulyanovsk State Technical University". Ulyanovsk: UISTU, 2021. 225 p.: ill., table: 20 cm.; ISBN 978-5-9795-2148-0.

13. Bayborodova, L. V. Methodology and methods of scientific research: a textbook for universities / L. V. Bayborodova, A. P. Chernyavskaya. — 2nd ed., ispr. and add. Moscow: Yurait Publishing House, 2022. 221 p. (Higher education). — URL: <https://urait.ru/bcode/491205>

14. Gorelov, N. A. Methodology of scientific research: textbook and workshop for universities / N. A. Gorelov, D. V. Kruglov, O. N. Korableva. — 2nd ed., revised and add. Moscow: Yurait Publishing House, 2022. 365 p. (Higher education). — URL: <https://urait.ru/bcode/489442>

15. Tsypin, G. M. Work on the dissertation. Navigator on the "highway" of scientific research: for universities / G. M. Tsypin. Moscow: Yurait Publishing House, 2022. 35 p. (Higher education). URL: <https://urait.ru/bcode/507947>

Resources of the Internet information and telecommunication network:

1. The EBS of the RUDN and third-party EBS, to the materials of which graduate students of the university have access on the basis of concluded 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

2. Databases*

* 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

- Google Academy (English Google Scholar) - <https://scholar.google.ru/>

- NEB, RSCI on the platform eLibrary.ru - <https://elibrary.ru/>

- The RUDN Repository - <https://repository.rudn.ru/>

3. Search engines:

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

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

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

Educational and methodological materials for students' self-work studying the discipline / module:


A course of lectures on the discipline «Methodology of scientific research».

7. ASSESSMENT TOOLKIT AND GRADING SYSTEM FOR MIDTERM ATTESTATION OF STUDENTS IN THE DISCIPLINE (MODULE)

Assessment toolkit and a grading system to evaluate the level of competences (competences in part) formation as the course results are specified on the TUIS platform.

DEVELOPERS:

Doctor of Economics, Professor
of Compliance Department
and controlling



A. I. Bolonin

HEAD OF THE PROGRAM:

Doctor of Economics, Professor,
Head of the ISVE Department



A. I. Kashirin