

*Federal State Autonomous Educational Institution of Higher Education «Peoples'
Friendship University of Russia»*

Faculty of Economics

Department of National Economy

Recommended by ISSC

THE WORKING PROGRAM OF THE DISCIPLINE
«METHODODOLOGY OF SCIENTIFIC RESEARCH»

Recommended for the direction of study 38.06.01 - Economics

**The focus of the program (profile) - 08.00.01. Economic theory /
08.00.05 Economics and management of the national economy /
08.00.10 Finance, monetary circulation and credit / 08.00.12 Accounting
Accounting and Statistics / 08.00.14 World Economy**

1. Goals and objectives of the discipline.

Discipline objectives: the formation of general ideas about the theoretical and methodological foundations of scientific activity, the main ways of solving scientific problems, as well as developing skills for preparing and presenting the basic methodological knowledge of scientific creativity in accordance with the requirements of the Higher Attestation Commission under the Ministry of Education and Science of the Russian Federation.

2. The place of discipline in the structure of EP VO.

The discipline «Research Methodology» (Part I) refers to *disciplines of the variable part* block P1.B.02 of the curriculum.

As a result of mastering the course «Methodology and methods of scientific research», the following should be formed:

universal competencies:

- the ability to design and carry out complex research, including interdisciplinary, based on a holistic systemic scientific worldview using knowledge in the field of history and philosophy of science (UK-2);

- willingness to participate in the work of Russian and international research teams to solve scientific and scientific and educational problems (UK-3);

- readiness to use modern methods and technologies of scientific communication in the state and foreign languages (UK-4).

general professional competencies:

- the ability to independently carry out research activities in the relevant professional field using modern research methods and information and communication technologies (OPK-1);

- readiness to organize the work of the research team in the scientific industry corresponding to the direction of training (OPK-2);

professional competencies:

- skills in identifying theoretical and methodological principles, methods and ways of managing economic systems, as well as the most important institutional and infrastructural aspects of the development of economic systems (PC-2.2).

P / p No.	Code and name of competence	Preceding disciplines	Subsequent disciplines
Universal			
1	- the ability to design and carry out complex research, including interdisciplinary, based on a holistic systemic scientific world		History and philosophy of science Modern economic theory

	views using knowledge in the field of history and philosophy of science (UK-2); - willingness to participate in work of Russian and international folk researcher collectives by solution of scientific and scientific and educational tasks (UK-3); - readiness to use modern methods and technologies of scientific communication in the state military and foreign languages (UK-4)		
General professional competencies			
2	-ability of self-carry out research activities in corresponding working professional areas of usmodern methods research and information communication and communication technologies (OPK-1); - willingness to organize research work collective scientific industry, corresponding direction preparation (OPK-2).		Research Methodology (Part II) Research Practice
Professional competencies (type of professional activity)			
3	- skills of finding and comprehending new, as well rethinking earlier known facts processes and trends characterizing the formation, evolution and transformation of social economic systems institutions, national and regional economies in historical perspective (PC -1.2); - identification skillstechnical and methodology principles, methods methods of management economic system-mi, also the most important		Problems of the economy of industry and entrepreneurship, Economy and organization of enterprises and sectors of the national economy, Scientific research

<p>institutional and infrastructural aspects development of economic systems (PC-2.2);</p> <ul style="list-style-type: none"> - the skills of implementing scientific results in areas finance, money circulation and credit relations (PC-3.2); - implementation skills scientific results in the field of accounting, analysis, audit and statistics in financial economic activities of organizations various forms property, organizational and legal forms; economic organizations in the industry, region, national farm (PC-4.2.); - development skills and implementation of the theory methodology in areas internationalization globalization of economic relations, and mechanisms them regulation on national, regional and global levels (PC-5.2). 		
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3. Requirements for the results of mastering the discipline.

As a result of studying the discipline, a graduate student must:

Know:

- the essence and characteristics of scientific research;
- basic scientific methods and research methods;
- goals and objectives of scientific research;
- terms and concepts most used in modern scientific practice;
- principles of scientific activity;
- the structure of the dissertation research;
- algorithm for conducting scientific research.

Be able to:

- formulate a problem, hypothesis, relevance, scientific novelty research, its goals and objectives, etc.;
- apply the conceptual apparatus in professional activities;
- plan scientific research;
- to formulate the goals and objectives of scientific research, scientific hypothesis and research novelty;
- navigate regulatory documents;

- comment on the testing of my research financial business structures;
- write a dissertation abstract in accordance with the requirements of the Higher Attestation Commission;

- to think independently and in an original way;
- adapt;
- control your activities;
- learn independently;
- think critically;
- use new ideas and innovations to achieve the goal.

Own:

- the methodological culture of the teacher-researcher; the conceptual apparatus in the field of economics;
- methods and algorithm for organizing and conducting scientific research;
- tools for fixing and protecting intellectual property objects, managing the results of research activities and commercializing rights to intellectual property objects;
- scientific reference apparatus and draw up it in accordance with GOST.

4. The scope of the discipline and types of educational work.

The total workload of the discipline is 2 credit units.

1) For full-time education

Type of educational work	Total hours	Semesters			
		1	2	3	4
Classroom lessons (total)	18	18			
Including:	-	-	-	-	-
<i>Lectures</i>	12	12			
<i>Seminars (C)</i>	6	6			
Independent work (CPA)	54	54			
General labor intensity hour credits	72	72			
units	2	2			

2) For correspondence courses

Type of educational work	Total hours	Semesters			
		1	2	3	4
Classroom lessons (total)					
Including:	-	-	-	-	-
<i>Lectures</i>	2	2			
<i>Seminars (C)</i>					
Independent work (CPA)	61	61			
General labor intensity hour credits	72	72			
units	2	2			

5. The content of the discipline.

5.1. Contents of discipline sections

<i>P / p No.</i>	<i>The name of the section and topics of the discipline</i>	<i>Section content (topics)</i>
<i>I. Fundamentals of the methodology of scientific activity</i>		
1.	Essence Features scientific activities	Science as the interaction of the object and the subject of knowledge. The essence of scientific knowledge. Features, principles, conditions and norms of scientific activity.
2.	Methodology scientific research activities	General scientific and particular methods of scientific activity. The essence and stages of development of scientific research methodology. The role of theory in scientific research.
<i>II. Modern approaches to the organization research activities</i>		
3.	Cycles scientific activities	Research project as a cycle of scientific activity. Temporary structure of scientific research. Discussion of the problem. Formulation of a hypothesis.
4.	Planning scientific research	Stages of research work. Drawing up a plan for your own scientific research.
<i>III. Presentation and registration of the results of scientific activities</i>		
5.	Registration scientific results	Forms of scientific products. Requirements to registration of scientific work.
6.	Credibility assessment results scientific research.	Criteria for evaluating research results - theoretical and empirical.
<i>IV. Approbation of the results of scientific activity.</i>		
7.	Publication results scientific research.	Requirements for applicants' publications.
8.	Order pre-defense scientific research.	Discussion of scientific research at the department. The procedure for submitting scientific research to the dissertation council.

5.2. Sections of discipline and types of classes.

1) for full-time education

<i>No.</i>	<i>Section name</i>	<i>Lectures</i>	<i>Seminars</i>	<i>CPA</i>	<i>Just an hour.</i>
1.	Essence features scientific activity.	2	1	9	12
2.	Methodology research activities.	2	1	9	12
3.	Cycles of scientific activity. Planning scientific research.	2	1	9	12

4.	Registration scientific results.	2	1	9	12
5.	Credibility assessment results scientific research.	2	1	9	12
6.	Approbation of results and pre-defense scientific research.	2	1	9	12
7.	Attestation				
	Total	12	6	54	72

2) for correspondence courses

No.	Section name	Lectures	Seminars	CPA	Just an hour.
1.	Essence features scientific activity.	1		10	1
2.	Methodology research activities.	1		10	1
3.	Cycles of scientific activity. Planning scientific research.			10	10
4.	Registration scientific results.			10	10
5.	Credibility assessment results scientific research.			10	10
6.	Approbation of results and pre-defense scientific research.			11	11
7.	Attestation				9
	Total	2		61	72

6. Laboratory workshop - not provided.

7. Practical classes (seminars) 9 for full-time education)

P/p No.	Discipline section number	Name of laboratory work	Labor capacity (hours)
1.	The essence and characteristics of scientific activity.	Planning scientific research. Formulation of the goal and objectives of the study.	1
2.	Research methodology.	Features of the application of scientific research methods. Discussion about observation conditions as scientific method.	1
3.	Cycles of scientific activity.	Discussion Problems. Formulation of a hypothesis.	1

4.	Presentation of scientific results.	Types of scientific work, rules registration of the thesis.	1
5.	Presentation of scientific results.	Rules for the preparation of the author's abstract.	1
6.	Approbation of the scientific study.	Requirements for applicants' publications. Typical mistakes of job seekers.	1
	Total		6

8. Material and technical support of the discipline:

When conducting classes, it is supposed to use multimedia equipment:

Classrooms for conducting lectures and practical lessons (according to the number of students in a group);

Multimedia projector;

Stationary screen.

There are 5 sets of headphones for the hearing impaired.

No. p \ p	Discipline (module) name, practice in accordance with the curriculum	Name of special * rooms and rooms for independent work	Equipment of special rooms and premises for independent work	List of licensed software.
1	Research Methodology Part 1	Audience for holding occupations seminar type and independent work No. 19 Moscow, st. Miklukho-Maclay, 6.	board; screen (stationary or portable floor). System unit Iru Intel i7 3160 MHz / 16 GB / 600 GB / DVD / audio - 21 pcs Monitor 23 "Acer G236HL - 21 pcs. Casio XJ-V100W multimedia projector Screen motorized Digis Electra 200 * 150 Dsem-4303	MS Windows 10 64bit Microsoft Office 2016

9. Information support of the discipline

Microsoft Office, Mentor,

databases, reference and search systems:

1. <http://lib.rudn.ru/> - website of the RUDN university library Sections:

- Electronic catalog - the base of books and periodicals in the collection of the RUDN University library.

- Electronic resources - including Licensed resources of UNIBTs (NB): University Library ONLINE, [LexisNexis](#), SPRINGER, [Bulletin RUDN](#), [Columbia International Affairs Online \(CIAO\)](#), [East View](#), [eLibrary.ru](#), Grebennikon, [Library PressDisplay](#), [Polpred.com](#), [SwetsWise](#), [Swets wise online content](#), [University of Chicago Press Journals](#), [Books of the publishing house «Alpina Publishers»](#), BIBLIOPHIKA, [Electronic library of dissertations of the RSL](#).

2. Search engines - www.yandex.ru, www.google.ru, www.rambler.ru.

10. Educational and methodological support of the discipline. Recommended reading:

a) main literature:

Lebedev, S.A. Methodology of scientific knowledge: textbook. manual for undergraduate and graduate programs / S. A. Lebedev. - M.: Yurayt Publishing House, 2019. - 153 p. - (Series: Bachelor and Master. Academic course). - ISBN 978-5-534-00588-

- Text: electronic // EBS Yurayt [site]. - URL: [https:// biblio-online.ru/book/metodologiya-nauchnogo-poznaniya-434162](https://biblio-online.ru/book/metodologiya-nauchnogo-poznaniya-434162) (date of access: 08.04.2019).

2. Mokiy, MS Methodology of scientific research: a textbook for magistracy / MS Mokiy, AL Nikiforov, VS Mokiy; ed. M. S. Mokogo. - M.: Publishing house Yurayt, 2019.-- 255 p. - (Series: Master). - ISBN 978-5-9916-1036-0. - Text: electronic // EBS Yurayt [site]. - URL: [https:// biblio-online.ru/book/metodologiya-nauchnyh-issledovaniy-432110](https://biblio-online.ru/book/metodologiya-nauchnyh-issledovaniy-432110) (date accessed: 04/08/2019).

b) additional literature:

Gorelov, S.V. Fundamentals of scientific research: textbook / S.V. Gorelov, V.P. Gorelov, E.A. Grigoriev; ed. V.P. Gorelova. - 2nd ed., Erased. - M.; Berlin: Direct-Media, 2016. - 534 p.: ill., Tab. - Bibliography. in the book. - ISBN 978-5-4475-8350-7; Also [Electronic resource] - <http://biblioclub.ru/index.php?page=book&id=443846>.

Lapaeva, M.G. Methodology of scientific research: a textbook for graduate students / M.G. Lapaeva, S.P. Lapaev; Ministry of Education and Science of the Russian Federation, Federal State Budgetary Educational Institution of Higher Education "Orenburg State University". - Orenburg: OSU, 2017. - 249 p.: Bibliography. in the book. - ISBN 978-5-7410-1791-3; The same [Electronic resource] - <http://biblioclub.ru/index.php?page=book&id=485476>.

Protsenko V.D. Research methodology. Direction 060601 "Biological Sciences". Profile 03.01.09 [Text]: Study guide / V.D. Protsenko, E.A. Lukyanov. - M.: Publishing house of RUDN, 2016.-- 29 p. - ISBN 978-5-209-07298-0: 63.42.

Electronic resources

Library of the Russian Academy of Sciences (BAN) <http://www.rasl.ru/10...>
Institute for Scientific Information for Social Sciences <http://inion.ru/>. Internet portal RSCI.RU <http://www.rsci.ru/>

Scientific electronic library <http://www.e-library.ru/>. Russian State Library <http://www.rsl.ru/>. Russian Science Foundation <http://rnf.rf/>

Electronic Library of Dissertations of the Russian State Library, EBD RSL <http://diss.rsl.ru/>.

Electronic library of educational and scientific publications <http://www.iqlib.ru/>.
Electronic library systems (ELS).

Rambler.ru. Yandex.ru. Google. ru. Nigma.ru.

Google. com. Aport.

FileSearch.

Electronic catalog - the base of books and periodicals in the collection of the RUDN University library. Electronic resources - including the section: Licensed resources of UNIBTs (NB):

[University Library ONLINE...](#)

[SPRINGER. Book collections of the publishing house...](#)

[RUDN Bulletin...](#)

[East View...](#)

Generic databases

eLibrary.ru...

Books of the publishing house "Alpina Publishers"...

11. Methodical instructions for students on mastering the discipline (module)

Teaching the course involves teaching methods such as lectures, seminars, group and individual counseling, educational practices, workshops, master classes, student independent work.

Types of classes and teaching methods

<i>Lectures</i>	Classroom form of classes, in which the main provisions of the discipline are given. The ultimate goal of the lectures is the achievement by the applicants of the degree of mastery of the studied theoretical knowledge necessary for further professional activity. The lecture form can be both traditional and interactive.
<i>Seminars</i>	Classroom dialogue form of classes on one of the topics of the course, involving the active participation of students (all or some of them), aimed at developing their skills for independent theoretical analysis of the problems considered in the course, including by studying primary texts, accumulating practical experience in solving typical professional tasks.
<i>Group Academic Counseling</i>	The main task of group academic consulting is a detailed or in-depth consideration of some topics of the theoretical course, the development of which, as a rule, causes difficulty for some students.
<i>Individual consultations</i>	An out-of-class form of the teacher's work with an individual applicant, implying a discussion of those sections of the discipline that were unclear to him, or caused by the student's desire to work on writing a scientific research.
<i>Independent work</i>	Reading recommended literature (mandatory and optional), preparing for oral presentations, scheduling scientific research, goals, objectives, scientific novelty and other elements.

The discipline «Research Methodology» is studied for one semester.

The total workload of the discipline is 2 credit units:

Basic forms and methods of teaching - these are lectures using multimedia equipment; interactive seminars; practical lessons; individual and group counseling, as well as independent work of students.

Recommendations for preparing for seminars

Conducting seminars involves: conducting problematic discussions, solving

situational problems.

Forms of control over seminars and mastering sections and topics of the work program include: oral questioning; checking homework; intra-semester tests in the form of written assignments. During the semester, there are 2 tasks for 10-15 minutes (by groups of topics), final certification, as well as homework.

Within the framework of seminars, the interactive component reaches 80-90%, depending on the topic of the lesson. At all seminars, the solution of problems with the discussion of the results of calculations, the formation of budgets are necessarily provided.

The interactive form of classes also involves the following types:

- analysis of specific situations - 1) analysis of the correctness of the formulation of the goal and objectives of scientific research; 2) identification of research problems; 3) analysis of citation errors;
- work in small groups (including homework), followed by discussion of the formulated proposals for 1) scheduling the scientific research; 2) justification of the relevance of the study;
- conducting discussions on the justification of the applied research methods.

The theoretical development of the discipline is carried out by giving lectures (including in different formats - lectures, discussions, problem lectures). It seems logical to build a course in the following sequence - theoretical aspects of finance (concept, essence and classification of sources); approaches and principles of formation of enterprise finances; the capital of the enterprise; formation of income and expenses of the enterprise; analysis of the financial condition of the enterprise; financial and planning and financial control at the micro level.

The seminars are supposed to:

- discuss the relationship of research objectives with scientific provisions submitted to the defense;
- master the skills of formulating goals, objectives, research hypotheses;
- discuss the appropriateness of the application of research methods;
- to teach the rules for the design of a scientific research - an abstract and a dissertation;
- discuss the procedure for testing the results of protection scientific research.

The table shows data on competencies within individual homework assignments (sample data):

<i>Job type</i>	<i>Examples of competencies</i>
Drawing up a schedule for conducting your own scientific research.	Ability to design and carry out complex research. Ability to plan and solve problems of one's own professional and personal development.

Formulation the relevance of the study.	Ability to work with sources, reference literature and other information sources. Ability to competently and logically express your own thoughts and conclusions. Ability to collect and organize data.
Drawing up a research plan and bibliographic list.	The ability to design and carry out complex research, including interdisciplinary, based on a holistic systemic scientific worldview with using knowledge in the field of history and philosophy of science

12. Fund of assessment tools for intermediate certification of students by discipline (module)

Materials for assessing the level of mastering the educational material of the discipline "Research methodology (part 1)" (evaluation materials), which include a list of competencies indicating the stages of their formation, a description of indicators and criteria for evaluating competencies at various stages of their formation, a description of the assessment scales, standard control tasks or other materials necessary for assessment of knowledge, abilities, skills and (or) experience of activity, characterizing the stages of formation of competencies in the process of mastering the educational program, methodological materials defining the procedures for assessing knowledge, skills, skills and (or) experience of activity, characterizing the stages of formation of competencies, have been developed in full and are available for students on the discipline page at the TUIS RUDN University.

The program has been drawn up in accordance with the requirements of the OS of VO RUDN Developer:

Doctor of Economics, Professor of the Department of National Economy Golodova J.G.

Head of OP VO:

Doctor of Economics, Prof

Yu.N. Moseikin

Head of the Department of National Economy:

Doctor of Economics, prof.

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