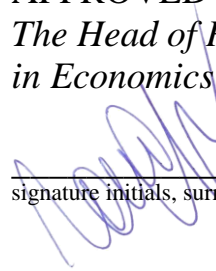


Ministry of Science and Higher Education of the Russian Federation
Federal State Autonomous Educational Institution
Higher Education
"SIBERIAN FEDERAL UNIVERSITY"

APPROVED by
*The Head of Postgraduate School
in Economics*


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signature initials, surname

WORKING PROGRAM OF THE DISCIPLINE

Discipline Research Workshop

Group of scientific specialties 5.2 Economics

Scientific specialty **5.2.3 Regional and Sectoral Economy (Environmental Economics)**

Krasnoyarsk 2024

WORK PROGRAM OF THE DISCIPLINE

compiled in accordance with federal state requirements

Group of scientific specialties 5.2 Economics
scientific specialty

5.2.3 Regional and Sectoral Economy (Environmental Economics)

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1 Goals and objectives of studying the discipline

Scientific and methodological training of graduate students is the most important component of the development of their professional competencies.

The research workshop in economics involves the active work of graduate students in the development of scientific methods and techniques for conducting research. The work of the workshop focuses on the methodological aspects of the organization of scientific research, the acquisition of strong skills for independent work of students with research material, and methods of processing it. The methodological nature of the workshop ensures the preparation of graduate students for independent scientific research and writing a scientific qualification work (dissertation).

The purpose of the research workshop on economics is the formation of professional competencies of a graduate of an educational program of higher education - a program for the training of scientific and pedagogical personnel in graduate school in the study of socio-economic phenomena and processes.

1.1 The goals of teaching the discipline.

The goals of the research workshop on economics under the PhD program
5.2 Economics are:

- formation of professional competencies for the work of a graduate of an educational program of higher education - a program for the training of scientific and pedagogical personnel in the field of education and science;
- development of independent research skills;
- formation of competences for the organization of search and analytical work with information;
- skills of scientific discussions and opposition.

1.2 Objectives of studying the discipline.

Objectives of the research workshop on economics:

- development of skills in research building and formulating research hypotheses in various areas of the economy;
- development of skills in writing academic reviews on contemporary issues, scientific articles, reports at conferences on topics of management analysis, its tools and participants;
- providing the necessary methodological and methodological training of a graduate student in accordance with the goals and objectives of his scientific qualification work (dissertation).

The research workshop on economics forms a set of competencies for the training of highly qualified specialists in the field of economic science and education.

1.3 The list of planned learning outcomes for the discipline (module), correlated with the planned results of mastering the postgraduate program.

As a result of work at a research workshop in economics, graduate students should:

know: achievements of economic science in the field of research socially significant problems and processes taking place in society, assessment of socio-economic efficiency, risks and possible social and economic consequences from the adoption of appropriate management decisions;

be able to: apply specific models, methods and techniques of economic management; work with databases necessary for conducting research in a particular area of the economy in accordance with the direction of the dissertation preparation;

have: skills of independent research work in the field of economic analytics; the skills of abstract work, work on writing articles and scientific research; the skills of scientific discussions and opposition on theoretical and practical problems of the development of social and economic systems.

1.4 The place of the discipline (module) in the structure of the postgraduate program.

The discipline is included in the variable part of the block of academic disciplines.

It is based on the full study of economic disciplines at the bachelor's and master's level in the enlarged group of specialties "Economics and Management".

Theoretical disciplines (modules) that precede the study of this discipline:

- Application of econometric methods in scientific research.
- Methodology of scientific research in economics and presentation of the results of scientific activity.

Theoretical disciplines (modules), for which the development of this discipline is necessary as a previous one:

- Research work
- Preparation of scientific qualification work (dissertation).

1.5 Features of the implementation of the discipline.

The discipline is implemented in Russian with the partial use of EO&DOT..

2 Volume of discipline (module)

Type of study work	Total credits	Semester
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	(hours)	4
The total complexity of the discipline	2(72)	2(72)
Auditory lessons:	0.25(18)	0.25(18)
lectures	0.125(9)	0.125(9)
practical classes (PC)	0.125(9)	0.125(9)
workshop classes (SC)		
laboratory work (LR)		
other types of classroom activities		
intermediate control		
Independent work	0.75(54)	0.75(54)
study of the theoretical course (TC)		
settlement and graphic tasks (SGT)		
course project (work)		
tasks	0.75 (54)	0.75 (54)
other types of independent work		
Type of control (test, exam)	offset	offset

3 The content of the discipline (module)

3.1 Sections of the discipline and types of classes (thematic lesson plan).

No p/p	Sections of the discipline	Lecture classes (academic hour)	Practical classes (academic hour)	Independent work (academic hour)
1.	Review of theoretical and applied research in the fields declared by graduate students of thematic areas. Databases for research.	9		28
2.	Analysis of publications from leading peer-reviewed journals on issues of economic science proposed by the workshop leader and/or supervisors of postgraduate educational programs within the framework of the stated research topics of postgraduate students.		4	18
3.	Expert meetings and workshops with leading researchers in the field of economics.	-	3	-
4.	Conducting discussions within the framework of the workshop on the reports of graduate students on the results of their scientific research.	-	2	8

3.2 Lecture-type classes.

№ p/p	№ of discipline's section	Name of classes	Volume in acad. hours	
			Total	including innovative form
1	1	Review of theoretical and applied research in the fields declared by graduate students of thematic areas. Research databases	9	

3.3 Workshop-type classes

№ p/p	№ of discipline's section	Class name	Volume in acad. hours	
			Total	including in innovative form
one	2.	Analysis of publications from leading peer-reviewed journals on issues of economic science proposed by the workshop leader and/or supervisors of postgraduate educational programs within the framework of the stated research topics of postgraduate students.	4	
2	3.	Expert meetings and master classes with leading researchers in the field of economics.	3	
	4.	Conducting discussions within the workshop on the reports of graduate students on the results of their scientific research.	2	

4. The list of educational and methodological support for independent work of graduate students in the discipline (module)

Independent work within the scientific and methodological workshop reflects the specifics of the issues under consideration in relation to each section.

Types of independent work:

- study of modern scientific and methodological literature on various aspects of the functioning of the economy;

- preparation of presentations of academic reviews of new scientific articles and monographs of both Russian and foreign scientists within the framework of scientific research;
- individual preparation for group work for the analysis of individual problems - the study of information and analytical materials, materials of news agencies, statistical data;
- presentation of the results of independent work of graduate students on the formation of databases and data panels on the instructions of the leading workshop.

List of literature and information resources

Scientific journals

1. International Organizations Research Journal (<http://iorj.hse.ru/>);
2. Moscow University Economics Bulletin Series: "Economics" (www.econ.msu.ru/science/economics/);
3. Vestnik of Saint Petersburg University. Management (<http://www.vestnikmanagement.spbu.ru/>);
4. Vestnik of Saint Petersburg University. Economy (<https://economicsjournal.spbu.ru/>);
5. Vestnik of the Financial University (www.fa.ru/dep/vestnik/about/Pages/default.aspx/);
6. Issues of economic regulation (<http://cyberleninka.ru/journal/n/voprosy-regulirovaniya-ekonomiki>);
7. Voprosy Ekonomiki (www.vopreco.ru/);
8. Journal of Institutional Studies (<http://cyberleninka.ru/journal/n/zhurnal-institutsionalnyh-issledovaniy>);
9. Journal of the New Economic Association (<http://journal.econorus.org/>);
10. Journal of Economic Theory (www.uiec.ru/zhurnal_yekonomicheskoi_teori/);
11. Corporate Finance (<http://cfjournal.hse.ru/>);
12. World of Russia. Sociology. Ethnology – The Universe Of Russia. sociology. ethnology (<http://mirros.hse.ru/>);
13. World economy and international relations - World Economy and International Relations (www.imemo.ru/index.php?page_id=682);
14. Social sciences and modernity (<http://ons2000.chat.ru/>);
15. Applied Econometrics - Applied Econometrics (<http://appliedeconometrics.ru/>);
16. Forecasting problems (www.ecfor.ru/fp/);
17. Problems of modern economy (<http://m-economy.ru/>);
18. Region: economics and sociology (<http://region.socionet.ru/>);

19. Russian Foreign Economic Bulletin (www.vavt.ru/journal/site/journal/);
20. Russian Journal of Management (www.rjm.ru/);
21. Securities market (www.rcb.ru/);
22. Finance (www.finance-journal.ru/);
23. Finance and credit (www.fin-izdat.ru/journal/fc/);
24. ECO Journal (www.ecotrends.ru/);
25. Economics and mathematical methods (www.cemi.rssi.ru/emm/);
26. Economy of the region (www.uiec.ru/zhurnal_yekonomika_regiona/);
27. Economist (www.economist.com.ru/index.htm);
28. Economic science of modern Russia (<http://www.cemi.rssi.ru/ecr/>);
29. Ekonomicheskaya Politika (<http://ecpolicy.ru/>);
30. Ekonomicheskaya Sotsiologiya (<http://ecsoc.hse.ru/>);
31. Economic Journal of the Higher School of Economics (<http://ej.hse.ru/>);
32. American Economic Journal: Applied Economics (www.aeaweb.org/aej/app/index.php);
33. American Economic Review (www.aeaweb.org/aer/index.php);
34. Brookings Papers on Economic Activities (www.brookings.edu/about/programs/economics);
35. Economic Policy, CEPR & CES & MSH ([http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1468-0327](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1468-0327));
36. Economic Studies Program, The Brookings Institution (www.brookings.edu/about/programs/economics);
37. European Economic Review (www.journals.elsevier.com/european-economic-review);
38. Experimental Economics (<http://link.springer.com/journal/10683>);
39. International Journal of Business Research (<http://ijbr-journal.org/IJBR-JOURNAL/Default.aspx>);
40. Journal of Business & Economic Statistics (www.tandfonline.com/toc/UBES20/current#.UwV9kuKVtzo);
41. Journal of Development Economics (www.journals.elsevier.com/journal-of-development-economics);
42. Journal of Economic Growth (<http://link.springer.com/journal/10887>);
43. Journal of Economic Literature (www.aeaweb.org/journal/);
44. Journal of Economic Perspectives (www.aeaweb.org/jep/);
45. Journal of Economic Surveys ([http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1467-6419](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1467-6419));
46. Journal of Finance (www.afajof.org/view/publishedArticles.html);
47. Journal of Financial Economics (www.journals.elsevier.com/journal-of-financial-economics);

48. Journal of Institutional Economics (<https://www.cambridge.org/core/journals/journal-of-institutional-economics#>);
49. Journal of Labor Economics (www.press.uchicago.edu/ucp/journals/journal/jole.html);
50. Journal of Law and Economics (www.press.uchicago.edu/ucp/journals/journal/jle.html);
51. Journal of Monetary Economics (www.journals.elsevier.com/journal-of-monetary-economics);
52. Journal of Political Economy (www.press.uchicago.edu/ucp/journals/journal/jpe.html);
53. Journal of the European Economic Association ([http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1542-4774](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1542-4774));
54. Quarterly Journal of Economics (<http://qje.oxfordjournals.org/>);
55. Review of Economic Studies (<http://restud.oxfordjournals.org/>);
56. Review of Economics and Statistics (www.mitpressjournals.org/loi/rest);
57. Review of Financial Studies (<http://rfs.oxfordjournals.org/>);
58. Russian Journal of Economics (<http://www.rujec.org>);
59. Studies on Russian Economic Development (<https://link.springer.com/journal/11507>);
60. TERRA ECONOMICUS (<http://sfedu.ru/evjur/>);

5. The list of basic and additional educational literature necessary for the development of the discipline (module)

1. Tips for a young scientist: a methodological guide for students, graduate students, junior researchers and, perhaps, not only for them / under. ed. Vorobeichika E.L. Ed. 3rd, revised. and additional Yekaterinburg: IERiZh URO RAN, 2011. 122 p. Yekaterinburg, 2011. https://ipae.uran.ru/pdf/smu/Sovety_2011.pdf
2. How to write and publish an article in an international scientific journal: guidelines / comp. I. V. Sviderskaya, V. A. Kratasyuk. Krasnoyarsk: Sib. feder. un-t, 2011.
3. Methodology of scientific research [Text]: teaching aid / A. M. Novikov, D. A. Novikov. - Ed. 3rd. - Moscow: URSS: LIBROKOM, 2015. - 270 p.
4. Methodology of scientific research [Text]: a textbook for students studying in the direction of "Economics" / A. O. Ovcharov, T. N. Ovcharova. - Moscow: INFRA-M, 2014. - 304 p.
5. Information systems and management technologies [Text]: a textbook for university students studying in the specialties "Finance and Credit",

"Accounting" / I. A. Konoplev [and others]; ed. G. A. Titorenko. - 3rd ed., revised. and additional - Moscow: UNITI, 2014. - 591 p.

6. Skripkin, KG Economic efficiency of information systems in Russia [Electronic resource] / KG Skripkin. - Moscow: MAKS Press, 2014. - 156 p. - Access mode:<http://znanium.com/go.php?id=533938>

7. Fundamentals of scientific research (General course) [Electronic resource]: Textbook / VV Kosmin. - 3rd ed., revised. and additional - Moscow: RIOR: INFRA-M, 2017. - 228 p. - Access mode:<http://znanium.com/bookread2.php?book=774413>

6. The list of resources of the information and telecommunication network Internet, necessary for the development of the discipline (module)

Databases, search engines, libraries and catalogs of economic scientific literature

1. Moscow Libertarianium (<http://www.libertarium.ru/>);
2. Scientific electronic library (<http://elibrary.ru/defaultx.asp>);
3. University information system RUSSIA (<http://uisrussia.msu.ru>);
4. Educational portal "Economics. Sociology. Management" (<http://ecsocmanedu.getfunnygames.com/>);
5. Digital library of dissertations (<http://diss.rsl.ru>);
6. Electronic library of the Grebennikov Publishing House (<http://grebennikon.ru>);
7. Cambridge University Press (www.journals.cambridge.org);
8. East View Information Services (www.ebiblioteka.ru);
9. EBSCO Publishing (<http://search.ebscohost.com>);
10. Elsevier (www.elsevier.com);
11. Google Scholar (<http://scholar.google.ru/>);
12. JSTOR (www.jstor.org);
13. Oxford Journals (www.oxfordjournals.org);
14. ProQuest (www.proquest.co.uk);
15. RePEc (<http://repec.org>);
16. Science Direct (<http://sciencedirect.com>);
17. Scopus (www.scopus.com);
18. Springer (www.springerlink.com);
19. Web of Science (<http://isiknowledge.com>);
20. Wiley (Blackwell) (www.blackwell-synergy.com)

7. Guidelines for postgraduate students on mastering the discipline (module)

The content of the research workshop in economics includes tasks performed during the semester and reporting on the results of research work in the semester.

In order to receive credits based on the results of the work, the postgraduate student must: complete the deadlines set by the individual plan and receive a positive assessment from the supervisor of the workshop and/or the supervisor of the postgraduate student for the specified types of work.

All prepared and submitted texts should be the result of independent research (information and analytical) work of graduate students, which they conduct under the guidance of their supervisors. On their basis, graduate students prepare presentations for presentations during workshops.

Tasks and reporting by semesters are also shown in Table 3. This list contains the minimum requirements for obtaining a positive assessment of a postgraduate research work. The expansion and addition of the types of work performed allows the graduate student to broaden his scientific horizons and increase the level of professional competence.

The report for each type of work must be signed by the supervisor of the postgraduate student and the supervisor of the workshop.

All the reports of postgraduate students are completed in a single format of the academic portfolio (in printed and electronic formats) and are stored at the leading departments for 3 years.

In addition to the texts of written works of graduate students, in order to receive credits, it is necessary to take into account:

- the degree of participation of the student in collective discussions,
- the quality of intermediate works (presentations, projects, reports on the practical results of the study, etc.),
- the degree of independence of graduate students in the performance of test papers;
- attendance (no missed meetings of the research workshop).

Articles are written independently by a graduate student under the supervision of a supervisor. Articles can be published in co-authorship of a graduate student and his supervisor, in co-authorship of several graduate students.

To pass the credits, the graduate student needs to solve the tasks set in the semester, prepare reporting documents, and report at the workshop. In addition, in order to pass the test, a graduate student must submit for publication one material in the form of abstracts for a conference, one article, and during the entire period of study must speak at least once at a conference, round table or other type of open scientific events presenting the results of the study.

Debt for a research workshop is equated to academic debt for an academic discipline.

8. List of information technologies used in the implementation of the educational process in the discipline (module) (if necessary)

8.1. List of required software.

To implement the educational process in the discipline, the following software is required:

Microsoft® Windows XP (Microsoft® Vista Business Russian Upgrade Academic OPEN No Level) Person certificate 43158512, dated 12/07/2007, unlimited
Microsoft® Office Professional Plus 2007 Russian Academic OPEN No Level - certificate 43158512, dated 07.12.2007, unlimited
ESET NOD32 - Software license, serial number EAV-0220436634, valid from 04/19/2018 to 04/26/2019
Acrobat 8.0 Pro Russian Version Win Full Educ - Person certificate CE0712341 dated 12/06/2007, unlimited
Agreement 155730 dated March 15, 2018 on the provision of unlimited uninterrupted access to the Internet for the needs of Siberian Federal University (Signed with an electronic signature). Valid from 03/16/2018 to 03/15/2019.

8.2. List of necessary information reference systems.

The university's own library satisfies the requirements of the Approximate regulation on the formation of the funds of the library of a higher educational institution. The implementation of the program of postgraduate professional education is ensured by the access of each graduate student to the funds of his own library, electronic library system, as well as visual aids, multimedia, audio and video materials.

Currently, the SibFU Scientific Library has the following full-text electronic information resources:

1. **Scientific Electronic Library e-LIBRARY.RU.** A license agreement has been concluded on the use of resources with free access from the computers of the university network. Resource address: <http://elibrary.ru/>.
2. **Bibliographic database Web of Science, including Russian science citation index (RSCI).** A license agreement has been concluded on the use of resources with free access from the computers of the university network. Resource address: www.isiknowledge.com.
3. **Bibliographic database Scopus.** A license agreement has been concluded on the use of resources with free access from the computers of the university network. Resource address: www.scopus.com.
4. **Electronic library of dissertations.** A license agreement has been concluded on the use of resources with free access from the computers of the university network. Resource address: www.dvs.rsl.ru (access to full text), www.diss.rsl.ru (access to directory).

5. **East View (East View) electronic database of social sciences and humanities.** A license agreement has been concluded on the use of resources with free access from the computers of the university network. Resource address: www.dlib.eastview.com.

6. **UIS Russia (Electronic University Information System Russia).**A license agreement has been concluded on the use of resources with free access from the computers of the university network. Resource address: www.uisrussia.msu.ru.

7. **Electronic library "Lan".** A license agreement has been concluded on the use of resources with free access from the computers of the university network. Resource address: www.e.lanbook.com.

8. **Electronic library of the publishing house "Grebennikov".** A license agreement has been concluded on the use of resources with free access from the computers of the university network. Resource address: www.grebennikon.ru.

9. **Electronic library "LitRes: Library".**A license agreement has been concluded on the use of resources with free access from the computers of the university network. Resource address: www.biblio.liters.ru.

10. **Electronic library system ZNANIUM.**A license agreement has been concluded on the use of resources with free access from the computers of the university network. Resource address: www.new.znanium.com.

Electronic library system "IPRBOOKS".A license agreement has been concluded on the use of resources with free access from the computers of the university network. Resource address: www.iprbookshop.ru

9. Material and technical base necessary for the implementation of the educational process in the discipline (module)

Special rooms are classrooms for conducting workshop-type classes, current control and intermediate certification, as well as rooms for independent work and rooms for storage and preventive maintenance of educational equipment. Special rooms are equipped with specialized furniture and technical teaching aids that serve to present educational information to a large audience.

For conducting classes, sets of demonstration equipment are offered that provide thematic illustrations that correspond to the program of the discipline.

Premises for independent work of students are equipped with computer equipment with the ability to connect to the Internet and provide access to the electronic information and educational environment of the organization.

Annotation to the work program of the discipline

Research Workshop

Goals and objectives of the discipline

Objectives of the research workshop in Economics under the PhD Program

5.2 Economics are:

- formation of professional competencies for the work of a graduate of an educational program of higher education - a program for the training of scientific and pedagogical personnel in the field of education and science;
- development of independent research skills;
- formation of competences for the organization of search and analytical work with information;
skills of scientific discussions and opposition.

Tasks of the research workshop on economics:

- development of skills in building research and formulating research hypotheses in various areas of the economy;
- developing the skills of writing academic reviews on contemporary issues, scientific articles, reports at conferences on the topics of management analysis, its tools and participants;
- providing the necessary methodological and methodological training of a graduate student in accordance with the goals and objectives of his scientific qualification work (dissertation).

Structure of the discipline

Main sections:

1. Review of theoretical and applied research in the fields declared by graduate students of thematic areas. Databases for research.
2. Analysis of publications from leading peer-reviewed journals on issues of economic science proposed by the workshop leader and/or supervisors of postgraduate educational programs within the framework of the stated research topics of postgraduate students.
3. Expert meetings and master classes with leading researchers in the field of economics.
4. Conducting discussions within the framework of the workshop on the reports of graduate students on the results of their scientific research.

Planned learning outcomes:

As a result of work at a research workshop in economics, graduate students should:

know: achievements of economic science in the field of research of socially significant problems and processes taking place in society, assessment of socio-economic efficiency, risks and possible socio-economic consequences from making appropriate management decisions;

be able to: apply specific models, methods and techniques of economic management; work with databases necessary for conducting research in a particular area of the economy in accordance with the direction of the dissertation preparation;

have: skills of independent research work in the field of economic analytics; the skills of abstract work, work on writing articles and scientific research; the skills of scientific discussions and opposition on theoretical and practical problems of the development of socio-economic systems.

Form of intermediate certification: credit