

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

APPROVED

*Head of the Postgraduate school
in Economics*


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signature initials, surname

TRAINING PROGRAM

Discipline **METHODOLOGY OF SCIENTIFIC RESEARCH
IN ECONOMICS AND PRESENTATION OF RESULTS
OF RESEARCH**

Group of scientific subject areas **5.2. Economics**

Scientific subject area **5.2.3. Regional and sectoral economics (Economics of
environmental management)**

Krasnoyarsk 2024

TRAINING PROGRAM OF THE DISCIPLINE

compiled in accordance with Federal state requirements

Group of scientific subject areas 5.2. Economics

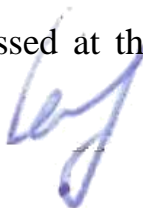
Scientific subject area 5.2.3. Regional and sectoral economics (Economics of environmental management)

The program was compiled by I.S. Pyzhev



Head of the Department of Economic Theories (author) E.P. Sevastyanova

The educational program was discussed at the meeting of the Department of Economic Theories (author)



Date: 07.02.2024 protocol no. 3

1. The aims and objectives of the discipline

1.1 The aim of the discipline

The aim of teaching the discipline is to gain an in-depth understanding of key approaches to scientific knowledge in economics, its methodological concepts, methods and processes for the formation of research results.

1.2 Objectives of the discipline

The objectives of the discipline include:

- understanding the methodology of economics;
- mastering the methods used in economics;
- studying the main areas of fundamental economic research and their subject-object areas;
- formation and publication of the results of scientific economic research;
- preparation, examination and defence of a dissertation for a degree.

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

As a result of mastering the discipline, a student must demonstrate the following results:

- to know the basics of the methodology of economic science, key areas, methods and technologies used in economic research, including in their scientific subject area;
- to form, analyse and formalize the results obtained in the process of economic research, including in their scientific subject area;
- to possess the skills of independent analysis of modern scientific achievements and results of activities for solving research problems in economics, including in their scientific subject area.

1.4 The place of the discipline (module) in the structure of the curriculum

The discipline is included in the educational component of the curriculum. It is studied at the very beginning of postgraduate training. It is based on the full study of economic disciplines at the bachelor's and master's levels in an enlarged group of subject areas of Economics and Management. It is connected with the subsequent disciplines of the block of academic disciplines studied in graduate school, as well as with the content of the graduate student's scientific research.

1.5 Features of the discipline implementation.

The discipline is implemented in Russian.

2. The scope of the discipline (module)

Type of educational work	Total, credits (acad. hours)	Semester
		1
The overall complexity of the discipline	2 (72)	2 (72)
Contact work with the instructor:	0,5 (18)	0,5 (18)
lectures	0,25 (9)	0,25 (9)
seminars	0,25 (9)	0,25 (9)
including: seminars	-	-
practice	0,25 (9)	0,25 (9)
other types of contact work	-	-
Individual work of graduate students:	1,5 (54)	1,5 (54)
theoretical course	1,0 (36)	1,0 (36)
Type of midterm assessment	credit	credit

3. The content of the discipline (module)

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

No	Modules, topics (sections) of the discipline	Lectures	Seminars (Seminars and/or practical classes (acad. hours))	Individual work (acad.hour)
1.	Principles of the methodology of economic science	2	2	9
2.	Methods used in economic research	2	2	18
3.	The main areas of fundamental economic research and their subject-object areas	1	1	9
4.	Formation and publication of the results of scientific economic research;	2	2	9
5.	Preparation, examination and defence of a dissertation for a degree	2	2	9

3.2 Lectures

No.	Discipline section No.	The title of the lectures	The volume in acad. hours	
			Total,	including innovative form
1	1	<p>Principles of the methodology of economic science</p> <p>Definition of the methodology. The problem of methodological choice. A normative and positive approach to the study of economic processes. Methodological monism and pluralism. Methodological individualism and holism. Methodological universalism and relativism. Conventionalism. Features of national economic thinking. The scientific paradigm, the hard core and the scientific hypothesis in economics. The causes and directions of the evolution of the paradigm of economic theory. The subject and method in economic theory. The central place of economic theory in the system of economic sciences. Economic theory and social sciences. Economic theory and natural sciences. The content, meaning and forms of implementation of interdisciplinary interaction.</p>	2	-
2	2	<p>Methods used in economic research</p> <p>Economic observations: empirical and statistical methods. Methods of generalization. Abstract-logical methods (analysis and synthesis, induction and deduction, method of abstractions). The causal method. The dialectical method. The principle of ascent from the abstract to the concrete. The unity of the logical and the historical. Modelling methods. Analytical (theoretical) and functional models. Static and dynamic models. Mathematical, static, and graphical methods. Instrumentalism, operationalism, situational analysis in economic research. The need for empirical verification of scientific conclusions. The importance of practice for economics. The predictive function of economics.</p>	2	
3	3	<p>The main areas of fundamental economic research and their subject-object areas</p> <p>Neoclassical analysis and synthesis. Keynesian economic theory and its development. Formalization of economic analysis and theory of economic dynamics. The economic theory of money, rational expectations and the new classical macroeconomics. Neo-Austrian economic theory and German neoliberalism. Institutional economics. Evolutionary economics. Theories of economic information. Theories of economic growth. Behavioural economics. Economic imperialism. The main interdisciplinary areas are economic soci-</p>	1	-

		ology and economic analysis of law.		
4	4	Formation and publication of the results of scientific economic research The research process in economics. Fundamental and applied research. Analysis of well-known approaches and achievements. Development of scientific hypotheses. Data collection and processing. Modelling in economics. Analysis of the results and their interpretation. Approbation of the results of economic research. Scientific publications and their varieties. Preparation of publication texts. The process of examination and placement of publications in scientific publications.	2	-
5	5	Preparation, examination and defence of a dissertation for a degree Regulatory requirements for dissertations for academic degree. Formalization of the results of scientific research and preparation of the text of the dissertation. The process of dissertation examination in the scientific community of the relevant scientific specialty at the level of the graduating organization and the preparation of an appropriate conclusion. Submission of the dissertation to the dissertation council and expert procedures. Preparation for the defence and defence of a dissertation for a degree. The practice of awarding academic degrees in economic sciences.	2	-

3.3 Seminars

No.	Discipline section No.	Practical classes	The volume in acad. hours	
			Total,	including innovative form
1	1	Principles of the methodology of economic science Definition of the methodology. The problem of methodological choice. A normative and positive approach to the study of economic processes. Methodological monism and pluralism. Methodological individualism and holism. Methodological universalism and relativism. Conventionalism. Features of national economic thinking. The scientific paradigm, the hard core and the scientific hypothesis in economics. The causes and directions of the evolution of the paradigm of economic theory. The subject and method in economic theory. The central place of economic theory in the system of economic sciences. Economic theory and social sciences. Economic theory and natural sciences. The content, meaning and forms of implementation of interdiscipli-	2	-

		nary interaction.		
2	2	<p>Methods used in economic research</p> <p>Economic observations: empirical and statistical methods. Methods of generalization. Abstract-logical methods (analysis and synthesis, induction and deduction, method of abstractions). The causal method. The dialectical method. The principle of ascent from the abstract to the concrete. The unity of the logical and the historical. Modelling methods. Analytical (theoretical) and functional models. Static and dynamic models. Mathematical, static, and graphical methods. Instrumentalism, operationalism, situational analysis in economic research. The need for empirical verification of scientific conclusions. The importance of practice for economics. The predictive function of economics.</p>	2	
3	3	<p>The main areas of fundamental economic research and their subject-object areas</p> <p>Neoclassical analysis and synthesis. Keynesian economic theory and its development. Formalization of economic analysis and theory of economic dynamics. The economic theory of money, rational expectations and the new classical macroeconomics. Neo-Austrian economic theory and German neoliberalism. Institutional economics. Evolutionary economics. Theories of economic information. Theories of economic growth. Behavioural economics. Economic imperialism. The main interdisciplinary areas are economic sociology and economic analysis of law.</p>	1	-
4	4	<p>Formation and publication of the results of scientific economic research</p> <p>The research process in economics. Fundamental and applied research. Analysis of well-known approaches and achievements. Development of scientific hypotheses. Data collection and processing. Modelling in economics. Analysis of the results and their interpretation. Approbation of the results of economic research. Scientific publications and their varieties. Preparation of publication texts. The process of examination and placement of publications in scientific publications.</p>	2	-
5	5	<p>Preparation, examination and defence of a dissertation for a degree</p> <p>Regulatory requirements for dissertations for academic degree. Formalization of the results of scientific research and preparation of the text of the dissertation. The process of dissertation examination in the scientific community of the relevant scientific specialty at the level of the graduating organization and the preparation of an appropriate conclu-</p>	2	-

	<p>sion. Submission of the dissertation to the dissertation council and expert procedures. Preparation for the defence and defence of a dissertation for a degree. The practice of awarding academic degrees in economic sciences.</p>		
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4. The list of educational and methodological support for individual work of graduate students in the discipline (module)

An electronic course on the discipline in the EOS of Siberian Federal University, which includes the appropriate educational and methodological support: <https://e.sfu-kras.ru/course/view.php?id=26740> .

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

Basic literature

1. Blaug, M. Methodology of economic science or how economists explain [Text] / M. Blaug; translated from English – Scientific ed. and the introductory article B.C. Avtonomova – M.: Journal of Economic Issues NP, 2004. – 416 p.

2. Bohr M.Z. Fundamentals of economic research. Logic, methodology, organization, methodology. – M.: DIS, 1998. – 144 p.

3. Novikov, A.M., Novikov, D.A. Methodology [Text] A.M. Novikov, D.A. Novikov. – M.: SINTEG, 2007. – 668 p.

4. Reisberg, B. A. Dissertation and academic degree: a handbook for applicants [Text] / B.A. Reisberg. – 10th ed., revised and corrected. – M.: INFRA-M, 2010. – 240 p.

5. Reznik, S. D. Graduate student of the university: technologies of scientific creativity and pedagogical activity [Text] : textbook/ S.D. Reznik. – 2nd ed., reprint. M.: INFRA-M, 2012. – 520 p.

6. Friedman, M. Methodology of positive economic science [Text] / M. Friedman // THESIS. – M.: 1994. VOL. 2. Issue 4. PP. 20-52.

Recommended literature

1. Avtonomov, V.S. The human model in economic theory and other social sciences [Text] / V.S. Avtonomov // Istoki. Issue 3. Editorial board.: Y.I. Kuzminov (chief editor), V.S. Avtonomov, O.I. Ananyin et al. – M.: Higher School of Economics, 1998. – 512 p. 23-71.

2. Allais, M. Economics as a science [Text] / M. Allais; translated from French by I.A. Egorov. – M.: Science for Society, RSTU, 1995. – 168 p.

3. Ananyin, O.I. Metamorphoses of theoretical economics: from Richard Cantillon to Richard Thaler [Text] / O.I. Ananyin // Proceedings of the XVII Annual In-

ternational Conference "Economic Theory: triumph or crisis?" from the cycle "Leontiev readings" / Ed. A.P. Zaostrovseva. – St. Petersburg.: Autonomous non-profit organization "International Centre for Socio–Economic Research "Leontief Centre", 2018. – 292 p. - pp. 213-251.

4. Ananyin, O.I. Economic ontologies and economic institutions [Text] / O. I. Ananyin // Federalism. – 2013. – No. 1. – pp. 75-100.

5. Ananyin, O.I. The structure of economic and theoretical knowledge [Text]: monograph / O.I. Ananyin, O.I. Nauka, 2005.

6. Arister, N.I., Reznik, S.D. Management of the dissertation council [Text] : manual / N. I. Arister, S.D. Reznik; under the general ed. F.I. Shamkhalov. – M.: INFRA-M, 2011. – 464 p.

7. Blaug, M. Economic thought in retrospect [Text] / M. Blaug; translated from English – M.: Delo LTD. Publishing house. ANKH, 1994. – 676 p.

8. Boldyrev, I.A. Economic methodology today: a brief overview of the main directions [Text] / I. A. Boldyrev // Journal of the New Economic Association. - 2011. – No. 9. – pp. 47-70.

9. Brunner, K. The idea of man and the concept of society: two approaches to understanding society [Text] / K. Brunner; translated from English. N.V. Pavlova. // Theory and History of Economic and Social institutions and systems (THESIS). M., 1993. NO. 3. – PP. 51-72.

10. Weise, P. Homo Economicus and Homo sociologicus: monsters of the social sciences [Text] / P. Weise; translated from German by V.I. Rubtsova. // Theory and History of Economic and Social institutions and systems (THESIS). M., 1993. NO. 3. – PP. 115-130.

11. Milestones of economic thought. Theory of consumer behavior and demand. Vol. 1 [Text] / Under the general ed. V.M. Galperin. – St. Petersburg.: Economic School, 1999. – 380 p.

12. Milestones of economic thought. The theory of the company. Vol. 2 [Text] / Under the general ed. V.M. Galperin. – St. Petersburg.: Economic School, 1999. – 534 p.

13. Milestones of economic thought. Production factor markets. Vol. 3 [Text] / Under the general ed. V.M. Galperin. – St. Petersburg.: Economic School, 2000. – 489 p.

14. Milestones of economic thought. Welfare economics and public choice. Vol. 4 [Text] / Under the general ed. A.P. Zaostrovsev. – St. Petersburg.: Economic School, 2004. – 568 p.

15. Milestones of economic thought. Theory of industry markets. Vol. 5 [Text] / Under the general ed. A.G. Slutsky. – St. Petersburg.: Economic School, 2003. – 669 p.

16. Western Economic Sociology: Anthology of modern classics [Text] / Comp. and scientific ed. V.V. Radaev; Tr. M.S. Dobryakova et al. – M.: Russian Political Encyclopedia (ROSSPEN), 2004. – 680 p.

17. Origins: economics in the context of history and culture [Text] / Editorial Board.: Y.I. Kuzminov (chief editor), V.S. Avtonomov, O.I. Ananyin et al. – M.: Higher School of Economics, 2004. – 584 p.

18. Origins: from the experience of studying economics as a structure and process [Text] / Editorial Board.: Y.I. Kuzminov (chief editor), V.S. Avtonomov, O.I. Ananyin et al.; State University – Higher School of Economics. – 2nd ed. – M.: Publishing house of the Higher School of Economics, 2007. – 533 p.

19. Origins: the socio-cultural environment of economic activity and economic cognition [Text] / Editorial Board.: Y.I. Kuzminov (chief editor), V.S. Avtonomov, O.I. Ananyin et al.; National research. Higher School of Economics Univ. – M.: Publishing House of the Higher School of Economics, 2011. – 671 p.

20. The history and philosophy of science: a textbook for graduate students and applicants [Text] / ed. M.A. Eskindarov, A.N. Chumakov. – Moscow: Prospect, 2018. – 688 p.

21. Keynes, J. M. The general theory of employment, interest and money [Text] / J. M. Keynes – M.: Helios ARV, 2002. – 352 p.

22. Libman, A.M. Modern economic theory: the main trends [Text] / A.M. Libman // Economic issues. - 2007. – No. 3. – pp. 36-54.

23. Libman, A.M. Theoretical and empirical research in modern economics: problems of communication [Text] / A.M. Libman // Economic issues. - 2008. – No. 6. – pp. 4-19.

24. Marshall, A. Fundamentals of Economics [Text] / A. Marshall; [preface. J. M. Keynes; translation by V.I. Bomkin, V.T. Rysin, R.I. Stolper]. – M.: Eksmo, 2008. – 832 p.

25. Mises, L. von Human activity: a treatise on economic theory [Text] / Ludwig von Mises; trans. from the 3rd edition. English edition. A.V. Kuryaev. – Chelyabinsk: Socium, 2008. – 878 p.

26. World economic thought. Through the prism of centuries [Text]: in 5 volumes / Adjacent editorial board. G.G. Fetisov, A.G. Khudokormov. T. I. From the dawn of civilization to capitalism / Ed. G.G. Fetisov. – M.: Mysl, 2004. – 718 p.

27. World economic thought. Through the prism of centuries [Text]: in 5 volumes / Adjacent editorial board. G.G. Fetisov, A.G. Khudokormov. VOL. II. Rising capitalism / Ed. M.G. Shevchenko. – M.: Mysl, 2005. – 751 p.

28. World economic thought. Through the prism of centuries [Text]: in 5 volumes / Adjacent editorial board. G.G. Fetisov, A.G. Khudokormov. VOL. III. The era of social fractures / Ed. A.G. Khudokormov. – M.: Mysl, 2005. – 896 p.

29. World economic thought. Through the prism of centuries [Text]: in 5 volumes / Adjacent editorial board. G.G. Fetisov, A.G. Khudokormov. VOL. IV. The Century of Global Transformations / Ed. Y.YA. Olsevich. – M.: Mysl, 2004. – 942 p.

30. World economic thought. Through the prism of centuries [Text]: in 5 volumes / Adjacent editorial board. G.G. Fetisov, A.G. Khudokormov. Vol. V. In 2 books. Worldwide recognition: Lectures by Nobel laureates / Ed. G.G. Fetisov. – M.: Book 1. – M.: Mysl, 2004. – 767 p.

31. Nureyev, R.M. Economics of development: models of the formation of a market economy: textbook [Text] / R.M. Nureyev. – 2nd ed. revised. - M.: Norma, 2008. – 640 p.

32. Nureyev, R.M. Criticism of the basic assumptions of modern macroeconomic theories [Text] / R.M. Nureyev // Proceedings of the XVII Annual International Conference "Economic Theory: triumph or crisis?" from the cycle "Leontiev readings" / Ed. A.P. Zaostrovtssev. – St. Petersburg.: Autonomous non-profit organization "International Centre for Socio–Economic Research "Leontief Centre", 2018. – 292 p. - pp. 16-27.

33. Orekhovsky, P.A. Stagnation in the form of prosperity: an analysis of the discourse of mainstream economic theory [Text] / P.A. Orekhovsky // Proceedings of the XVII Annual International Conference "Economic Theory: triumph or crisis?" from the cycle "Leontiev readings" / Ed. A.P. Zaostrovtssev. – St. Petersburg.: Autonomous non-profit organization "International Centre for Socio–Economic Research "Leontief Centre", 2018. – 292 p. - pp. 28-49.

34. What economists are thinking about: Conversations with Nobel laureates [Text] / Ed. P. Samuelson and W. Barnett; Translated from English, 2nd ed. – M.: United Press LLC, 2010. – 490 p.

35. Pavlichenko, N.V. Dissertation research: technologies of preparation. [Text] / N.V. Pavlichenko. – M.: Prospekt Publishing House, 2019. – 196 p.

36. Regulations on awarding academic degrees [Text]: approved by Decree of the Government of the Russian Federation dated September 24, 2013, No. 842 : effective from 01.01.2004.

37. Regulations on the Council for the defence of a dissertation for the degree of Candidate of Sciences, for the degree of Doctor of Sciences [Text] : approved by Order of the Ministry of Education and Science of the Russian Federation dated November 10, 2017, No. 1093 : effective from 05.12.2017.

38. Rubinstein, A. Dilemmas of Economist Theorist [Text] / A. Rubinstein // Economic issues. – 2008. – № 11. Pp. 62-80 (Rubinstein A. (2006): Dilemmas of an Economic Theorist // Econometrica. 2006. Vol. 74. № 4. P. 865–883).

39. Saunders, M. Methods of conducting economic research [Text] / M. Saunders, F. Lewis, E. Thornhill; trans. from English – 3rd ed. – M.: Eksmo, 2006. – 640s.

40. Sukharev, O.S. Methodology and possibilities of economic science [Text]: Monograph / O.S. Sukharev. – M.: COURSE: INFRA-M, 2014. – 368 p.

41. Tambovtsev, V.L. What economic methodology might be of interest to economists? [Text] / V.L. Tambovtsev // Proceedings of the XVII Annual International Conference "Economic Theory: triumph or crisis?" from the cycle "Leontiev readings" / Ed. A.P. Zaostrovtssev. – St. Petersburg.: Autonomous non-profit organization "International Centre for Socio–Economic Research "Leontief Centre", 2018. – 292 p. - pp. 104-116.

42. Tambovtsev, V.L. The subject field of the new institutional economic theory [Text] / V. L. Tambovtsev // Economic Bulletin of Rostov State University. Vol. 5. – 2007. – № 3. – Pp. 9-17.

43. Shastitko, A.E. Human models in economic theory [Text] : textbook / A.E. Shastitko. – M.: INFRA-M, 2006. – 142 p.

44. Schumpeter, J.A. The history of economic analysis [Text]: in 3 vols. / J.A. Schumpeter [trans. from English. V.S. Avtonomov – M.: Economic School, 2004. – 1664s.

45. Boumans M.J. (2005). How Economists Model the World into Numbers. London, N.Y.: Routledge.

46. Colander D. (2000) The Death of Neoclassical Economics // Journal of the History of Econ. Thought. Vol. 22(2). P. 127–143.

47. Davis J.B. (2007) The Turn in Economics and the Turn in Economic Methodology // Journal of Econ. Methodology. Vol. 14(3). P. 275–290.

48. Dow S.C. (2002) Economic Methodology: an Inquiry. Oxford: Oxford University Press.

49. Eggertsson T. (1995) On the Economics of Economics // Kyklos. Vol. 48(2). P. 201–210.

50. Hahn F. (1992) Reflections // Royal Economics Society Newsletter. 5 April.

51. Hands D.W (2001) Reflection without Rules: Economic Methodology and Contemporary Science Theory. Cambridge: Cambridge University Press.

52. Hands D.W. (2009) Did Milton Fiedman’s Positive Methodology License the Formalist Revolution? In: U. Mäki (ed.). The Methodology of Positive Economics: Reflections on the Milton Friedman Legacy. Cambridge: Cambridge University Press. P. 143–164.

53. Hargreaves Heap S.P. (2000) Methodology now! // Journal of Econ. Methodology. Vol. 7(1). P. 95–108.

54. Hendry D.F. (2001) Econometrics: Alchemy or Science? Oxford: Oxford University Press.

55. History of Political Economy (2009) – Volume 41, №№ 1, 2, 3, 4. – Duke University Press.

56. Lindbeck, A. (2013) The Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel 1969-2007 / Nobelprize.org. Nobel Media AB 2013. Web. 16 Oct 2013.

57. Prychitko D. (ed.) (1995) Individuals, Institutions, Interpretations: Hermeneutics Applied to Economics Aldershot: Avebury.

58. Wible J.R. (1998) The Economics of Science: Methodology and Epistemology as if Economics Really Mattered. London: Routledge.

59. Zamora Bonilla J.P. (2001) Where is economic methodology going? // Journal of Econ. Methodology. Vol. 8(1). P. 135–138.

Scientific journals

1. Bulletin of International Organizations: Education, Science, New Economy – International Organizations Research Journal (<http://iorj.hse.ru/>);

2. Bulletin of the Moscow University. Series: Economics (www.econ.msu.ru/science/economics/);

3. Bulletin of St. Petersburg University. Management (<http://www.vestnikmanagement.spbu.ru/>);

4. Bulletin of St. Petersburg University. Economics (<https://economicsjournal.spbu.ru/>);

5. Bulletin of the Financial University (www.fa.ru/dep/vestnik/about/Pages/default.aspx/);

6. Economic regulation issues (<http://cyberleninka.ru/journal/n/voprosy-regulirovaniya-ekonomiki>);

7. Economic issues (www.vopreco.ru/);

8. Journal of Institutional Research (<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. The 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 /](http://appliedeconometrics.ru/));
16. Forecasting problems ([www.ecfor.ru/fp /](http://www.ecfor.ru/fp/));
17. Problems of the modern economy ([http://m-economy.ru /](http://m-economy.ru/));
18. Region: Economics and Sociology ([http://region.socionet.ru /](http://region.socionet.ru/));
19. Russian Foreign Economic Bulletin (www.vavt.ru/journal/site/journal);
20. Russian Journal of Management ([www.rjm.ru /](http://www.rjm.ru/));
21. The securities market ([www.rcb.ru /](http://www.rcb.ru/));
22. Finance ([www.finance-journal.ru /](http://www.finance-journal.ru/));
23. Finance and credit ([www.fin-izdat.ru/journal/fc /](http://www.fin-izdat.ru/journal/fc/));
24. ECO ([www.ecotrends.ru /](http://www.ecotrends.ru/));
25. Economics and mathematical methods ([www.cemi.rssi.ru/emm /](http://www.cemi.rssi.ru/emm/));
26. The economy of the region ([www.uiec.ru/zhurnal_yekonomika_regiona /](http://www.uiec.ru/zhurnal_yekonomika_regiona/));
27. The Economist (www.economist.com.ru/index.htm);
28. The economic science of modern Russia ([http://www.cemi.rssi.ru/ecr /](http://www.cemi.rssi.ru/ecr/));
29. Economic Policy – Ekonomicheskaya Politika ([http://ecpolicy.ru /](http://ecpolicy.ru/));
30. Economic Sociology – Ekonomicheskaya Sotsiologiya ([http://ecsoc.hse.ru /](http://ecsoc.hse.ru/));
31. The Economic Journal of the Higher School of Economics ([http://ej.hse.ru /](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 Activity (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 Labour 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/>);

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

Databases, search engines, libraries and catalogues 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. Economics. Sociology. Management educational portal (<http://ecsocman.edu.getfunnygames.com/>);
5. The electronic library of the RSL 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. Methodological guidelines for graduate students for the discipline (module)

In order to achieve acceptable learning outcomes, in accordance with the competencies being formed, during the training period, assessment is carried out on each question from the list.

List of questions to prepare for the test:

1. Definition of the methodology. The problem of methodological choice.
2. A normative and positive approach to the study of economic processes.
3. Methodological monism and pluralism.
4. Methodological individualism and holism.
5. Methodological universalism and relativism.
6. Methodological conventionalism.
7. Features of national economic thinking.
8. The scientific paradigm, the hard core and the scientific hypothesis in economics.
9. The causes and directions of the evolution of the paradigm of economic theory.
10. The subject and method in economic theory.
11. The central place of economic theory in the system of economic sciences.
12. Economic theory and social sciences.
13. Economic theory and natural sciences.

14. The content, meaning and forms of implementation of interdisciplinary interaction.
15. Economic observations: empirical and statistical methods.
16. Methods of generalization.
17. Abstract-logical methods (analysis and synthesis, induction and deduction, method of abstractions).
18. The causal method.
19. The dialectical method. The principle of ascent from the abstract to the concrete. The unity of the logical and the historical.
20. Modelling methods.
21. Analytical (theoretical) and functional models.
22. Static and dynamic models.
23. Mathematical, static, and graphical methods.
24. Instrumentalism, operationalism, situational analysis in economic research.
25. The need for empirical verification of scientific conclusions.
26. The importance of practice for economics.
27. The predictive function of economics.
28. Neoclassical analysis and synthesis.
29. Keynesian economic theory and its development.
30. Formalization of economic analysis and theory of economic dynamics.
31. The economic theory of money, rational expectations and the new classical macroeconomics.
32. Neo-Austrian economic theory and German neoliberalism.
33. Institutional economics.
34. Evolutionary economics.
35. Theories of economic information.
36. Theories of economic growth.
37. Behavioural economics.
38. Economic imperialism.
39. The main interdisciplinary areas are economic sociology and economic analysis of law.
40. The research process in economics.
41. Fundamental and applied research.
42. Analysis of well-known approaches and achievements.
43. Development of scientific hypotheses.
44. Data collection and processing.
45. Modelling in economics.
46. Analysis of the results and their interpretation.
47. Approbation of the results of economic research.

48. Scientific publications and their varieties.
49. Preparation of publication texts.
50. The process of examination and placement of publications in scientific publications.
51. Regulatory requirements for dissertations for academic degree.
52. Formalization of the results of scientific research and preparation of the text of the dissertation.
53. The process of dissertation examination in the scientific community of the relevant scientific specialty at the level of the graduating organization and the preparation of an appropriate conclusion.
54. Submission of the dissertation to the dissertation council and expert procedures.
55. Preparation for the defence and defence of a dissertation for a degree.
56. The practice of awarding academic degrees in economic sciences.

The final form of assessment in the discipline is a credit. On the test, the student receives 2 questions, prepares for 30 minutes, then answers. Each question is evaluated according to the table below. The general conclusion is based on the results of the answer, taking into account the current control.

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

8.1. A list of necessary 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) Persons certificate 43158512, dated 07.12.2007, indefinite
Microsoft® Office Professional Plus 2007 Russian Academic OPEN No Level - persons certificate 43158512, dated 07.12.2007, indefinite
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 Educator certificate CE0712341 dated 06.12.2007, indefinitely
Agreement 155730 dated 15.03.2018 on the provision of unlimited continuous Internet access for the needs of Siberian Federal University (Signed via EDS). The validity period is from 16.03.2018 to 15.03.2021.

8.2. A list of necessary information reference systems.

The university's own library meets the requirements of the Approximate Regulations on the formation of the library funds of a higher educational institution. The implementation of the postgraduate professional education program is ensured by the access of each graduate student to the funds of the 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.

Scientific Electronic Library e-LIBRARY.RU . A license agreement has been concluded on the use of resources with free access from computers on the university network. Resource: <http://elibrary.ru/>.

The bibliographic database of the Web of Science, including the Russian science citation index (RSCI). A license agreement has been concluded on the use of resources with free access from computers on the university network. Resource: www.isiknowledge.com .

Scopus bibliographic database. A license agreement has been concluded on the use of resources with free access from computers on the university network. Resource: www.scopus.com .

The electronic library of the RSL dissertations. A license agreement has been concluded on the use of resources with free access from computers on the university network. Resource: www.dvs.rsl.ru (access to the full text), www.diss.rsl.ru (access to the catalogue).

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

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

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

The electronic library of the Grebennikov Publishing House. A license agreement has been concluded on the use of resources with free access from computers on the university network. Resource: www.grebennikon.ru .

LitRes: Library electronic library. A license agreement has been concluded on the use of resources with free access from computers on the university network. Resource: www.biblio.litres.ru .

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

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

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

There are classrooms for lectures and seminars, ongoing monitoring and intermediate certification, as well as rooms for individual work. Special rooms are equipped with specialized furniture and technical training tools that serve to present educational information to a large audience. The rooms for individual work of students are equipped with computers with Internet connection and provide access to the electronic information and educational environment of the organization.

Abstract to the educational program of the discipline

METHODOLOGY OF SCIENTIFIC RESEARCH IN ECONOMICS AND PRESENTATION OF RESULTS OF RESEARCH

Goals and objectives of the discipline

The aim of teaching the discipline is to gain an in-depth understanding of key approaches to scientific knowledge in economics, its methodological concepts, methods and processes for the formation of research results.

Objectives of the discipline

The objectives of the discipline include:

- understanding the methodology of economics;
- mastering the methods used in economics;
- studying the main areas of fundamental economic research and their subject-object areas;
- formation and publication of the results of scientific economic research;
- preparation, examination and defence of a dissertation for a degree.

The structure of the discipline

Main sections:

1. Principles of the methodology of economic science
2. Methods used in economic research
3. The main areas of fundamental economic research and their subject-object areas
4. Formation and publication of the results of scientific economic research;
5. Preparation, examination and defence of a dissertation for a degree

Planned learning outcomes:

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

As a result of mastering the discipline, a student must demonstrate the following results:

- to know the basics of the methodology of economic science, key areas, methods and technologies used in economic research, including in their scientific subject area;
- to form, analyse and formalize the results obtained in the process of economic research, including in their scientific subject area;

- to possess the skills of independent analysis of modern scientific achievements and results of activities for solving research problems in economics, including in their scientific subject area.

Type of midterm assessment is the credit