

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

APPROVED BY
Provost of Academic Affairs

_____ D.S. Guts

" ____ " _____ 2021

PROGRAM
of the entrance test for graduate school
in the direction of 38.06.01 "Economics"

Krasnoyarsk 2021

General provisions

This program is intended for applicants entering the postgraduate studies of the Siberian Federal University in 38.06.01 – Economics (the level of training of highly qualified personnel). The program includes the following sections:

1. Economic theory.
2. Finance, money circulation and credit.

To conduct the entrance exam, by the order of the rector of the Siberian Federal University, a commission is formed consisting of leading scientists of the university.

The entrance examination can be conducted both face-to-face and remotely using video conferencing services (VCS) in written and oral form in two stages:

1. Written test on the issues of Section 1 "Economic Theory" (pp. 3-7 of the Program). The test consists of 10 questions, the answer to each of them can be assessed at 5 points maximum (the maximum total score for this stage is 50 points). The duration of the stage is one astronomic hour. At the beginning of the procedure, the secretary of the examination committee distributes individual answer forms to the students. After completion of the test, applicants submit the completed files with answers to the secretary of the examination committee.

2. Oral interviews with members of the state commission on the section of the Program corresponding to the selected scientific specialty (direction), as well as on the research topic of the applicant in accordance with the selected scientific field (based on the materials of available scientific publications or a previously prepared essay justifying the selected theme). The applicant's answer at this stage is estimated by the commission with a maximum of 50 points.

The general criteria for evaluating oral and written answers in the exam are the content of the answer (compliance with the logical sequence of the presentation of the material, completeness, correctness, validity of conclusions) and its form, reflecting professional skills to systematize and present information in writing, state, discuss and defend the opinion orally.

Thus, the test result of each applicant is estimated at a maximum of 100 points, from which the competitive rating is formed.

Section 1 "Economic theory"

1.1. Microeconomic theory

1. Market economy. Structure, subjects, main categories, market economy modeling. The concept of demand, supply, equilibrium, efficiency.

2. Consumer behavior. Budget constraint, its properties and measures. Preferences, indifference curves and marginal rate of substitution. Utility, its function and varieties. Consumer choice and consumer optimum.

3. Supply and demand. Demand, varieties of goods, goods of the lowest category, demand curves, their varieties and Engel curves. Consumer and producer surplus, utility functions based on supply and demand functions. Market demand, elasticity and marginal revenue. Market equilibrium, inverse supply and demand curves, their shift.

4. Behavior of the producer. Factors and technology of production, production functions, limitations and properties of technology, marginal product, technological rate of substitution, returns to scale. Costs, cost function, and their minimization. Average, marginal and variable costs, cost curves and their types. Firm's supply, supply functions, supply curve and its types. The supply of the industry in the short and long term, the equilibrium of the industry.

5. Market structures. Monopoly, demand curve, pricing, efficiency problem, natural monopolies and Ramsey pricing. Monopoly behavior, market power and the Lerner index, price discrimination and its degree, optimal prices and output, monopolistic competition, product differentiation. Markets of factors of production and Monopsony. Oligopoly, choice of strategy, leadership in pricing and output, Cournot and Stackelberg equilibrium, Bertrand competition, cartel model.

6. General equilibrium and welfare theory. Market exchange and Edgeworth box, Pareto efficiency, Walras equilibrium and Walras' law, relative prices. Manufacturing, Robinson Crusoe economics and various technologies, welfare economics, the first and second theorems of welfare. The economic theory of welfare, aggregation of preferences, functions of social welfare and its maximization, fair distributions.

7. Market failures: externalities, public goods, information asymmetry. Externalities, quasilinear preferences (income effect) and Coase's theorem, externalities in production and their internalization, social and private costs, achieving the efficiency of their ratio, Pigou tax, tragedy of the commons. Public goods, definition, types, free-rider problem. Asymmetric information, hidden information and adverse selection, hidden actions and subjective (moral) risk, principal-agent problem, signaling and incentives.

1.2. Macroeconomic theory

1. Main macroeconomic indicators. Gross Domestic Product (GDP), nominal and real GDP, its structure by income and expenditure. Employment and unemployment, unemployment rate, correlation of unemployment rate and GDP, Okun's law. Inflation, GDP deflator, CPI and GDP deflator. The correlation of inflation and unemployment, Phillips curve.

2. Aggregate demand and aggregate supply. The concept of aggregate demand, factors and characteristics that determine it in the short and long term. Aggregate demand model (AD) in classical and Keynesian models. The concept of aggregate supply, factors and characteristics that determine it in the short and long term. Aggregate supply (AS) in classical and Keynesian models. Modern understanding of the model of short-term aggregate supply. Lucas equation.

3. Commodity markets. Aggregate demand for goods, consumption, investment, government spending. Equilibrium in the commodity market, determination of equilibrium GDP. Keynes' general theory: determination of the equilibrium volume, expenditure multiplier, fiscal policy of the state. Equilibrium in the commodity market in a closed economy. An alternative way of equilibrium in commodity markets through equality of investment and savings.

4. Money market: demand for money, its types, interest rate. Baumol-Tobin model. Fundamentals of the money supply model (multiple expansion of deposits), bank and money multipliers. IS and LM curves: definition, derivation (geometric and algebraic), slope, shifts. Equilibrium in the money market in a closed economy. Alternative ways of looking at equilibrium. Monetary policy of the state.

5. Joint equilibrium of markets for goods and money. Commodity markets, IS curve and its shifts: investments, sales, interest rate, GDP. Money markets, the LM curve and its shifts: real money supply, real income, interest rate. Model IS-LM. Macroeconomic instability. Fiscal, monetary and mixed policies. Inflation, its causes and costs.

6. Labor market. Unemployment rates. Wage fixing: negotiation, efficiency, prices, unemployment. Pricing. Natural unemployment rate: wage fixing, pricing, equilibrium real wages, employment, GDP.

7. General macroeconomic equilibrium. AD-AS model, macroeconomic equilibrium, transition from short-term to long-term equilibrium. AD-AS model under alternative assumptions about the shape of the AS curves: fiscal and monetary policy. Monetary policy with rational expectations. Phillips model in the short and long term. Demand and cost inflation, expected unemployment. Loss ratio. Adaptive and rational expectations.

8. Economic growth. Factors and sources of economic growth, aggregate production function, returns to scale and factors of production, GDP, accumulation of physical and human capital, savings, consumption. Modern theories of economic growth (neoclassical and Keynesian approaches). Endogenous growth. Long-term economic growth and the problem of sustainable development. Technological progress and economic growth.

List of recommended sources

Main literature

Textbooks and tutorials

1. Samuelson, Paul E., Nordhaus, William D. Microeconomics; 18th ed. : Per. from English - M. : LLC "I.D. Williams ", 2019.

2. Samuelson, Paul E., Nordhaus, William D. *Macroeconomics*; 18th ed. : Per. from English - M.: LLC "I.D. Williams", 2019. - 586 p.
3. Blanchard O. *Macroeconomics*, 7th Edition, Pearson: University Prentice Hall. 2017.
4. Krugman PR, Obstfeld M., Melitz MJ *International Economics. Theory and Policy*, 10th Edition, Pearson: University Prentice Hall. 2015.
5. Varian HR *Microeconomic Analysis*. Third Edition - University of California at Berkeley: WW Norton & Company - New York - London, 1992. — 558 p.
6. Varian HR *Intermediate Microeconomics. A Modern Approach*. Eighth Edition. - University of California at Berkeley: WW Norton & Company - New York - London, 2010. — 819 p.

Additional literature

1. Blanchard, Olivier *Macroeconomics*. Textbook [Text] / O. Blanchard; per. from English; under scientific. ed. L.L. Lyubimov, translated by L. Lyubimov, T. Matveeva, S. Pekarsky, I. Kavitskaya, D. Veselov, N. Elshanskaya; State university - Higher School of Economics. - M.: Ed. House of the Higher School of Economics (State University), 2015. — 672 p.
2. Varian, H.R. *Microeconomics*. Intermediate level. Modern approach [Text]: Textbook for universities / Kh.R. Varian; per. from English ed. N.L. Frolova. - M.: UNITI, 1997. — 767 p.
3. Jaley, JA, Reni, Philip J. *Microeconomics: an advanced level: textbook* / Jeffrey A. Jaley, Philip J. Reni; per. from English; under scientific. ed. V.P. Busygina, M.I. Levina, E.V. Pokatovich; State university - Higher School of Economics. - M.: Ed. House of the State University - Higher school of Economics, 2011.
4. Mas-Colell, A., Winston M.D., Green J.R. *Microeconomic theory* [Text]: textbook / A. Mas-Colell, M.D. Winston, J.R. Green / per. from English: Yu. Avtonomov et al., under scientific. ed. M. I. Levina and E. V. Pokatovich. - Moscow: Business, Book. 1. - 2016. — 708 p.
5. Mas-Colell, A., Winston M.D., Green J.R. *Microeconomic theory* [Text]: textbook / A. Mas-Colell, M.D. Winston, J.R. Green / per. from English: Yu. Avtonomov et al., under scientific. ed. M. I. Levina and E. V. Pokatovich. - Moscow: Business, Book. 2. - 2016. — 713 p.
6. Romer, David *Higher Macroeconomics*. Textbook [Text] / D. Romer; per. from English; under scientific. ed. V.M. Polterovich, translated by N. Arefiev, S. Pekarsky, A. Dementyev; State un-t - Higher School of Economics. - M.: Ed. House of the Higher School of Economics (State University), 2015. — 856 p.
7. Busygin, V.P., Zhelobodko, E.V., Tsyplakov, A.A. *Microeconomics - the third level*: [Text]: Textbook / V.P. Busygin, E.V. Zhelobodko, A.A. Tsyplakov. - Novosibirsk: Publishing house CO RAN, 2005. — 702 p.

8. Galperin, VM, Ignatiev, SM, Morgunov, V.I. Microeconomics: in 2 volumes [Text] / V.M. Galperin, S.M. Ignatiev and V.I. Morgunov; General edition of V.M. Halperin. - SPb.: Economic School, 2007 (1999), T. 1.- 349 p.
9. Galperin, V.M., Ignatiev, S.M., Morgunov, V.I. Microeconomics: in 2 volumes [Text] / V.M. Galperin, S.M. Ignatiev and V.I. Morgunov; General edition of V.M. Halperin. - SPb.: Economic School, 2007 (1999), T. 2. - 503 p.
10. Galperin, VM, Ignatiev, SM, Morgunov, VI, Vatnik, P.A., Zaostrovstsev, A.P. Microeconomics: in 3 volumes. V. 3 Collection of problems [Text] / V.M. Galperin, S.M. Ignatiev and V.I. Morgunov, P.A. Vatnik, A.P. Zaostrovstsev; General edition of V.M. Halperin. - SPb.: School of Economics, State University - Higher School of Economics, 2007. - 160 p.
11. Grebennikov, P.I., Tarasevich, L.S., Leussky, A.I. Macroeconomics in 2 volumes. Volume 1 [Text]: textbook and
12. workshop for universities / P.I. Grebennikov, L.S. Tarasevich, A.I. Leussky. - 11th ed., Rev. and add. - M.: Yurayt Publishing House, 2020. -- 300 p.
13. Grebennikov, P.I., Tarasevich, L.S., Leussky, A.I. Macroeconomics in 2 volumes. Volume 2 [Text]: textbook and workshop for universities / P.I. Grebennikov, L.S. Tarasevich, A.I. Leussky. - 11th ed., Rev. and add. - M.: Yurayt Publishing House, 2020. — 255 p.
14. Rozanova, N.M. Macroeconomics. Workshop: textbook. manual for magistracy [Text] / NM Rozanova. - M.: Yurayt Publishing House, 2015. — 496 p.
15. Rozanova, N.M. Macroeconomics. Advanced course in 2 hours. Part 1: textbook for universities [Text] / NM Rozanova. - M.: Yurayt Publishing House, 2020. — 283 p.
16. Rozanova, N.M. Macroeconomics. Advanced course in 2 hours. Part 2: textbook for universities [Text] / NM Rozanova. - M.: Yurayt Publishing House, 2020. — 382 p.
17. Levina, E. A. Pokatovich, E. V. Microeconomics: textbook and workshop for universities [Text] / E. A. Levina, E. V. Pokatovich. - Moscow: Yurayt Publishing House, 2019. — 673 p.
18. Tarasevich, L.S., Grebennikov, P.I., Leussky, A.I. Microeconomics [Text]: textbook and workshop for academic baccalaureate / L.S. Tarasevich, P.I. Grebennikov, A.I. Leussky. - 8th ed., Rev. and add. - M.: Yurayt Publishing House, 2014. — 547 p.
19. Fridman, A.A. Lectures on the course of advanced microeconomics [Text] / A.A. Friedman; State university - Higher School of Economics. - M.: Ed. House of the State University Higher School of Economics, 2007. — 375 p.

Monographs, collections of articles and selected articles

1. Alla, M. Economics as a science; per. with French. I.A. Egorova. - M.: Science for Society, RSTU, 1995. -- 168 p.
2. Milestones of economic thought. Factor Markets. T. 3 / Under total. ed. V.M. Halperin. - SPb.: School of Economics, 2000.

3. Milestones of economic thought. The theory of industrial markets. T. 5 [Text] / under the general. ed. A.G. Slutsky. - SPb .: School of Economics, 2003.
4. Milestones of economic thought. The theory of consumer behavior and demand. T. 1 [Text] / Under the General. ed. V.M. Halperin. - SPb .: School of Economics, 2000.
5. Milestones of economic thought. The theory of the firm. T. 2 [Text] / Under the General. ed. V.M. Halperin. - SPb .: School of Economics, 2000.
6. Origins. Issue 3 / Editorial board: Ya.I. Kuzminov (chief editor), V.S. Avtonomov, O. I. Ananyin and others; entry article by Ya.I. Kuzminov. - M .: Higher School of Economics, 1998.
7. Origins: from the experience of studying the economy as a structure and process / Editorial board: Ya.I. Kuzminov (chief editor), V.S. Avtonomov (deputy chief editor), O.I. Ananyin and others; State un-t - Higher School of Economics. - 2nd ed. - M .: Ed. House of the State University Higher School of Economics, 2007.
8. Origins: socio-cultural environment of economic activity and economic knowledge / Editorial board: Ya.I. Kuzminov (chief editor), V.S. Avtonomov (deputy chief editor), O.I. Ananyin and others; Nat. issled. University Higher School of Economics. - M .: Ed. House of the Higher School of Economics, 2011.
9. Origins: economics in the context of history and culture / Editorial board: Ya.I. Kuzminov (chief editor), V.S. Avtonomov (deputy chief editor), O.I. Ananyin et al. - M .: GU HSE, 2004.
10. A. G. Khudokormov Nobel laureates in economics in the XXI century: collection of articles / ed. A.G. Khudokormova. - M .: INFRA-M, 2018 .-- 393 p.

Russian scientific journals

1. Bulletin of Moscow University ". Series: "Economy" (www.econ.msu.ru/science/economics/);
2. Bulletin of the Financial University (www.fa.ru/dep/vestnik/about/Pages/default.aspx/);
3. Economic issues (www.vopreco.ru/);
4. Journal of Institutional Research (<http://cyberleninka.ru/journal/n/zhurnal-institutsionalnyh-issledovaniy/>);
5. Journal of the New Economic Association (<http://journal.econorus.org/>);
9. World economy and international relations (www.imemo.ru/index.php?page_id=682);
10. Social sciences and modernity (<http://ons2000.chat.ru/>);
11. Problems of forecasting (www.ecfor.ru/fp/);
12. Problems of the modern economy (<http://m-economy.ru/>);
13. Region: economics and sociology (<http://region.socionet.ru/>);
14. Russian Management Journal (www.rjm.ru/);
15. Securities market (www.rcb.ru/);
16. Finance (www.finance-journal.ru/);
19. Economics and mathematical methods (www.cemi.rssi.ru/emm/);
22. Economic science of modern Russia (<http://www.cemi.rssi.ru/ecr/>);

23. Economic sociology (<http://ecsoc.hse.ru/>);
24. Economic Journal of the Higher School of Economics (<http://ej.hse.ru/>);
26. TERRA ECONOMICUS (<https://te.sfedu.ru/>).

Section 2 "Finance, money circulation and credit"

1. Modern theories of finance and their practical application in the state / corporations, households.
2. Fiscal system and budget policy of the state in a market economy.
3. Criteria and methods for assessing the financial stability of enterprises and corporations, the study of internal and external factors affecting financial stability.
4. Corporate finance management: methodology, theory; transformation of corporate control.
5. Theoretical foundations of the organization and functioning of the securities market and its segments.
6. Modern trends in the organization and functioning of the social insurance system and the insurance market.
7. Analysis and generalization of the achievements of economic science in the field of the formation and functioning of monetary relations.
8. Monetary and exchange rate policy. Features of the formation of the monetary policy of the Russian Federation and the mechanisms of its implementation in modern conditions.
9. Laws and patterns of the credit sphere, banking.
10. Formation of the banking system and its infrastructure in the transition period; interbank competition, problems of ensuring the institutional framework of the development of the banking sector and its interaction with the Central Bank of the Russian Federation. Models of credit systems, banking systems and the credit mechanism.

List of recommended sources

1. Banking: Textbook / Starodubtseva E.B. - M.: ID FORUM, Research Center INFRA-M, 2014 . — 464 p .: 60x90 1/16. - (Higher education) (Binding 7BC) ISBN 978-5-8199-0575-3 - Access: <http://znanium.com/catalog/product/431660...>
2. The budget system of the Russian Federation: Textbook / Neshitov A.S., - 11th ed., Revised. and add. - M .: Dashkov and K, 2018 . — 312 p .: 60x84 1/16 ISBN 978-59394-02215-9 - Access: <http://znanium.com/catalog/product/315728...>
3. Godin A.M. Insurance / Godin A.M., Kosov M.E., Frumina S.V., - 2nd ed., Revised. and add. - Moscow: Dashkov and K, 2018 .-- 196 p .: ISBN 978-5-394-02684-3. - Text: electronic. - Access mode:<https://znanium.com/catalog/product/415002...>
4. Gorelaya N.V. Fundamentals of banking: textbook. allowance / N.V. Gorelaya, A.M. Karminsky; Ed. A.M. Karminsky. - M .: ID FORUM: NITs Infra-M, 2019 .-- 272 p. - (Higher education). - ISBN 978-5-8199-0534-0. - Text: electronic. Access mode:<https://znanium.com/catalog/product/1010827...>
5. Corporate finance: textbook / V. E. Leontiev, V. V. Bocharov, N. P. Radkovskaya. - 3rd ed., Rev. and add. - Moscow: Yurayt Publishing House, 2018.

6. Corporate finance: textbook / team of authors; ed. M.A. Eskindarova, M.A. Fedotova. - M.: KNORUS, 2016. -- 480 p.
7. Kuptsov M.M. Money circulation, finance, credit and the tax system: Textbook / Kuptsov M.M., - 2nd ed. - Moscow: ITs RIOR, 2018. — 121 p. - ISBN 978-5-369-00386-2. - Text: electronic. - Access mode: <https://znanium.com/catalog/product/938119...>
8. Taxes and taxation: a textbook for university students studying in the areas of "Economics" and "Management", specialties "Economic security", "Customs" / I.A. Mayburov [and others]; ed. I.A. Mayburova. - 7th ed., Rev. and add. - M.: UNITY-DANA, 2018. — 503 p. - (Series "The Golden Fund of Russian Textbooks"). - ISBN 978-5-238-03100-2. - Access: <http://znanium.com/catalog/product/1028889>
9. Nikolaeva T.P. Money, credit, banks: a tutorial / T.P. Nikolaeva. - 2nd ed., Erased. - Moscow: FLINT, 2020. — 377 p. - ISBN 978-5-9765-2520-7. - Text: electronic. - Access mode: <https://znanium.com/catalog/product/1149693...>
10. Ninalalova, F.I. Budget system of the Russian Federation: textbook / F.I. Ninalalova. - 2nd ed., Rev. and add. - Moscow: University textbook: INFRA-M, 2020. -- 296 p. + Add. materials [Electronic resource]. - (Higher education). - ISBN 978-5-9558-0533-7. - Text: electronic. - Access: <https://znanium.com/catalog/product/1065816...>
11. Starodubtseva EB, The securities market: textbook / EB Starodubtseva. - Moscow: Publishing House "FORUM": INFRA-M, 2018. - 176 p. - (Professional education). - ISBN 978-5-8199-0263-9. - Text: electronic. Access: <https://znanium.com/catalog/product/927442>
12. Filatova T.V. Financial management: Textbook. - Moscow: INFRA-M, 2018. — 236 p. - ISBN 978-5-16-012500-8. - Text: electronic. - Access: <https://znanium.com/catalog/product/968882...>
13. Financial Markets and Financial Instruments: Textbook / Gospodarchuk G.G., Gospodarchuk S.A. - M.: SRC INFRA-M, 2018. — 88 p.: 60x90 1/16. - (Higher education) ISBN 978-5-16-107386-5 (online) - Access: <http://znanium.com/catalog/product/1009831>.
14. Finance and credit / Neshitoy A.S., - 6th ed. - M.: Dashkov and K, 2017. — 576 p. : ISBN 978-5-394-02006-3 - Access: <http://znanium.com/catalog/product/414993>.
15. Finances of organizations: a textbook for university students enrolled in economic specialties, the direction of training "Finance and Credit" / ed. N.V. Kolchina, O. V. Portuguese. - 6th ed., Rev. and add. - M.: UNITY-DANA, 2017. — 399 p. - (Series "The Golden Fund of Russian Textbooks"). - ISBN 978-5-238-02810-1. - Access: <http://znanium.com/catalog/product/1028461>.
16. Finance, money circulation and credit [Text]: textbook / V. P. Klimovich. - 4, rev. and add. - Moscow: FORUM Publishing House, 2020. - 336 p. - ISBN 9785819907016: B. c.

17. Finance, money circulation and credit: Textbook / Galanov V.A., - 2nd ed. - M.: Forum, SIC INFRA-M, 2019 . — 416 p.: - (Professional education) - Access: <http://znanium.com/catalog/product/1019937>.

18. Finance, money circulation and credit: Textbook / M.V. Romanovsky and others; Ed. M.V. Romanovsky, O.V. Vrublevskaya. - M .: Yurayt-Publishing, 2006 . — 543 p.

19. Charaeva M.V. Corporate finance: textbook / M.V. Charaeva. - Moscow: INFRA-M, 2019 . — 286 p. - ISBN 978-5-16-011081-3. - Text: electronic. - Access: <https://znanium.com/catalog/product/1003842>.

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