

Federal State Autonomous Educational Institution of Higher Education
PEOPLE'S FRIENDSHIP UNIVERSITY OF RUSSIA (RUDN)
Graduate School of Industrial Policy and Entrepreneurship

Approved
at the meeting of the department
August 28, 2021 Protocol No. 1
Head of the Department of Applied Economics



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DISCIPLINE PROGRAM

" Innovation Management "

Training direction: 38.06.01. ECONOMY Innovation Management Profile
(name of the educational program in accordance with the direction (profile))

Qualification (degree) of the graduate: Researcher. Research teacher
(the code and name of the direction of training / specialty are indicated)

Moscow, 2021

1. The aim of the discipline: is the assimilation of the conceptual apparatus, theoretical concepts, and methods, as well as theoretical aspects and practical approaches to innovation management by graduate students.

2. Position of the discipline in the structure of the basic educational programs (OEP) of postgraduate studies: a block of disciplines by choice of a working curriculum.

Table № 1

Prior and subsequent disciplines aimed at the formation of competencies

| № | Code and name of competence | Preceding disciplines | Subsequent disciplines (groups of disciplines) |
|---------------------------------|-----------------------------|-----------------------|---|
| Universal competence | | | |
| 1 | UC-2, UC-3, UC-4 | - | Scientific Research methodology |
| General professional competence | | | |
| 1 | GPC - 1, GPC – 2 | - | Scientific Research methodology |
| Professional competence | | | |
| 1 | PC – 1, PC-2, PC-3 | - | Ensuring balanced development of innovation and investment activities of economic systems |
| 2 | PC – 1, PC-2, PC-3 | | Assessment of the innovative potential of economic systems |
| 3 | PC- 2 | | Scientific Research methodology |

3. Requirements for the results of mastering the discipline:

As a result of mastering the program, graduate student must have the following professional competences:

- 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 (UC-2);
- willingness to participate in the work of Russian and international research teams to solve scientific and scientific and educational problems (UC-3);
- the ability to independently carry out research activities in the relevant professional field using modern research methods and information and communication technologies (GPC-1);
- readiness to organize the work of the research team in the scientific industry corresponding to the direction of training (GPC-2);
- skills of analysis of information and organizational support; application of methods and tools for substantiation, analysis and solution of problems of innovative development of the national economy, management of the main parameters of innovative processes in the modern economy (PC 2);
- the ability to develop scientific ideas about the economic processes of the formation and organization of effective functioning of the innovative sphere of the national economy, including a set of innovations created and mastered by regions, industries and enterprises as a result of innovative activities; mechanism of investment development (PC 3).

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

Know:

- methodological foundations of innovation management;
- types of innovations;
- the constituent elements of innovative development and innovation management system as a whole ;

- characterization of the main instruments of innovation management;
- the essence of the innovation management process;
- indicators of the effectiveness of the innovation management process.
- sources of financing for innovative projects.

Be able to:

- to practically calculate the main types of indicators of the effectiveness of the innovation management process ;
- to assess the feasibility of investing capital in certain instruments of innovation management;
- use the knowledge gained to develop and substantiate management decisions in the field of innovation management.

Own:

- skills of gathering the necessary information for innovation management.
- skills in information processing and calculation of indicators using spreadsheets and computer programs for innovation management;
- skills to justify decision-making on innovation management.

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

The total workload of the discipline is 2 credit units.

| Type of educational work | | Total hours | Semesters | | | |
|--------------------------|---|-------------|-----------|---|---|---|
| | | | one | 2 | 3 | 4 |
| 1. | Classroom lessons (total) | 24 | 24 | | | |
| | Including: | | | | | |
| 1.1. | Lectures | 16 | 16 | | | |
| 1.2. | Practical classes and seminars (C) | 8 | 8 | | | |
| 2. | Independent work (total) | 42 | 42 | | | |
| | Control | 6 | 6 | | | |
| 3. | Total labor intensity (academic hours) | 72 | 72 | | | |
| | Total labor intensity (credit units) | 2 | 2 | | | |

5. Discipline content

5.1. Contents of the discipline sections

| № | The name of the discipline section | Section Contents |
|----|---|--|
| 1. | Fundamentals of project management | essence of function, instruments, terminology; definition of "project management" and "innovation development"; goals, objectives and functions of project management, project management tools. |
| 2. | Best global practices of innovation management | Experience in managing innovative development Samsung, Apple, Intel, Oracle, Qualcomm, General Electric, Siemens, Philips |
| 3. | Innovative potential of the organization | Determination of innovative potential. Estimation and forecasting approaches. |
| 4. | Life cycle of innovation | Stages of the life cycle of innovations. Continuous innovation. |
| 5 | Evaluating the effectiveness of innovation management | Efficiency and effect. Indicators for assessing the effectiveness of innovation. |

| | | |
|----|---|---|
| 6. | Commercialization of innovative technologies and promotion of innovative products | Methods for the commercialization of innovative technologies, tools for promoting innovative products. |
| 7 | Innovation Management in Russia | The level of innovative development of Russia in comparison with other countries. Problems of innovative development. |

5.2. Sections of disciplines and types of classes

| № | The name of the discipline section | lectures. | Sem. | Ind.W | Ind.W |
|----|---|-----------|----------|-----------|-----------|
| 1. | Fundamentals of innovation management | 4 | 1 | 6 | 16 |
| 2. | Best global practices of innovation management | 2 | 2 | 6 | 10 |
| 3 | Innovative potential of the organization | 2 | 1 | 6 | 8 |
| 4 | Life cycle of innovation | 2 | 1 | 6 | 8 |
| 5 | Evaluating the effectiveness of innovation management | 2 | 1 | 6 | 10 |
| 6 | Commercialization of innovative technologies and promotion of innovative products | 2 | 1 | 6 | 10 |
| 7 | Innovation Management in Russia | 2 | 1 | 6 | 10 |
| | Total | 16 | 8 | 42 | 72 |

6. Laboratory workshop (if available)

Absent.

7. Practical lessons (seminars) (if any)

| № | № discipline section | Theme of practical lessons (seminars) | Labor intensity (hrs.) |
|----|----------------------|---|------------------------|
| 1. | 2 | Best global practices of innovation management | 2 |
| 2. | 5 | Evaluating the effectiveness of innovation management | 2 |
| 3. | 6 | Commercialization of innovative technologies and promotion of innovative products | 2 |
| 4 | 7 | Innovation Management in Russia | 2 |

8. Material and technical support of the discipline:

- Electronic teaching materials used in the educational process, multimedia presentations, a bank of test items, etc. are presented in TUIS.
- The following equipment is used to conduct classes:
 - classroom board - 1 p.;
 - multimedia projector - 1 p.;
 - screen - 1 p.;
 - personal computers (laptops, tablets) for practical training;
 - Microsoft Teams and TUIS for conducting classes using distance learning technologies.

Description of classrooms in which classes are held

| № | Actual address of training offices and facilities | List of main equipment |
|----|---|---|
| 1. | ул. Миклухо-Маклая, 6, аудитория 436 | multimedia projector, screen, classroom board |
| 2. | ул. Миклухо-Маклая, 6, | classroom board |

9. Information support of the discipline

a) Microsoft Office software, Mentor

b) databases, reference and search systems

1. <http://lib.rudn.ru/> - site of the RUDN University library

Sections:

a) electronic catalog - a database of books and periodicals in the collection of the RUDN University library.

b) electronic resources - including Licensed resources of UNIBC (NB): University Library ONLINE, LexisNexis, SPRINGER, RUDN Bulletin, Columbia International Affairs Online (CIAO), East View, eLibrary.ru, Grebennikon, Library PressDisplay, Polpred.com, SwetsWise, Swets Wise online content, University of Chicago Press Journals, Alpina Publishers Books, BIBLIOPHIKA, Electronic Library of Dissertation of the RSL

2. *search engines* - www.yandex.ru, www.google.ru, www.rambler.ru

10. Educational and methodological support of the discipline:

a) Main Literature:

1. Гохберг Л.М., Ильенкова Н.Д., Кузнецов В.И., Масыкин Б.В., Пудич В.С., Ягудин С.Ю., Попов Н.Д., Тихомирова Н.П. Инновационный менеджмент // Учебник для студентов вузов, обучающихся по специальности "Менеджмент", специальностям экономики и управления (080100) / Под редакцией С. Д. Ильенковой. Москва, 2007. (3-е издание, переработанное и дополненное)

2. Инновационный менеджмент / под ред. В. Я. Горфинкеля и др. М.: Вузовский учебник, 2019.

3. Инновационный менеджмент. Harvard Business Review: 10 лучших статей. М.: Альпина Паблицер, 2020.

4. Кравченко Н.А., Кузнецова С.А., Маркова В.Д., Соломенникова Е.А., Титов В.В., Черемисина Т.П., Юсупова А.Т., Балдина Н.П., Халимова С.Р. Инновации и конкурентоспособность предприятий // под редакцией В.В. Титова ; Институт экономики и организации промышленного производства Сибирского отделения Российской академии наук. Новосибирск, 2010.

5. Управление инновациями: учебное пособие / Т. В. Кокуйцева – Москва: РУДН, 2021. – 87 с.

6. Формирование цифровой экономики в России: вызовы, перспективы, риски: монография / под ред. Е. Б. Ленчук. – СПб.: Алетейя, 2020. – 320 с.

б) Дополнительная литература

1. Abalkin L.I. Russia: The search for self-determination. Essays. - М.: Science, 2005.

2. Ackoff R. Idealized design. How to prevent tomorrow's crisis today. Building the future of the organization. М.: Balance Business Books, 2007.

3. Ansoff I. Strategic management. - SPB.: Peter, 2011.

4. Bagrinovsky K.A. Mechanisms of Technological Development of the Russian Economy: Macro and Meso-economic Aspects. Series: Economic Science of Modern Russia. - М., Science, 2003.

5. Bagrinovskiy K. A., Matyushok V. M. Economic-mathematical methods and models (microeconomics). - М.: Publishing house of RUDN University, 2009.

6. Vilensky P.L., Smolyak S.A. How to calculate the efficiency of an investment project. - М.: Informelectro, 1996.

7. Volgina N.A. International Economics: Textbook / N.A. Volgina - М.: Eksmo, 2006.

8. Volkov I., Gracheva M. Project Analysis. М.: Banks and stock exchanges. - UNITY, 1998.

9. Gafurov I.R. Methodology for the development of strategic programs for the socio-economic development of the territory / I.R. Gafurov . Kazan: Publishing house Kazan, state. University, 2003.
10. Glazyev S.Yu. On the strategy of economic development of Russia. Scientific report. - M. : National Institute for Development, 2006.
11. Glushkova V.M., G.M. Dobrova , Yu.V. Ershova , R.M. Khvastunova Gorodova I.B. Management of innovation processes: textbook / I.B. Gorodova ; Kemerovo Technological Institute of Food Industry. - 2nd ed. rev . and add. - Kemerovo, 2007
12. Gruzkov , A.P. System management of regional programs of socio-economic development: monograph / A.P. Gruzkov . Volgograd: Volgograd Scientific Publishing House, 2004.
13. Grunina O.A. Formation of financial synergistic effect in the Russian economy: Dis d.ekon.n . / M .: 2011.
14. Gusakov N.P., Chursin A.A., Kokuytseva T.V. Improving the management system of the Interstate Program of Innovative Cooperation of the CIS Member States for the Period until 2020 // CIS: Innovation Space. - M .: Center for Strategic Partnership, 2011. -
15. G.V. Dvas Regional economy: motivational aspects and mechanisms of strategic planning. - M .: Nauka, 2008 .-- 100 p.
16. Dranaeva A.A., Kokuytseva T.V., Rusinov A.A. Innovation potential as a condition for the region's economic growth: monograph; ed. prof., Doctor of Economics A.A. Chursin . - M .: Spectrum, 2012.
17. Drucker P. Effective enterprise management. M .: Williams, 2008.
18. Dubrov A.M., Lagosha B.A., Khrustalev E.Yu. Modeling risk situations in economics and business. / Textbook . allowance / Ed. B.A.Lagoshi . - M .: Finance and Statistics, 1999.
19. A.V. Zheltenkov, N.P. Maslennikova Management in the field of innovation. Tutorial. - M.: FBK-Press, 2005.
20. Ivanchenko V.M. Planning as a historical phenomenon of human life and society. 2009.
21. Ilyenkova S.D., Gokhberg L.M., Mosyakin V.S., Agkatseva I.E. Management of an innovative project. Textbook / Moscow State University of Economics, Statistics and Informatics. - M., 2003.
22. Innovation management: Textbook for universities / Abrameshin A.E., Voronina T.P., Molchanova O.P., Tikhonova E.A., Shlenov Yu.V .; Edited by Dr. Econ . Sciences , prof. O.P. Molchanova. - M.: Vita-Press, 2001.
23. L. V. Kantorovich Economic calculation of the best use of resources. - Publishing house of the Academy of Sciences of the USSR, 1959.-- 344 p.
24. Castells M., Information age: economy, society and culture / Per. from English / Under scientific. Ed. Prof. OI Shkaratana (electronic version).
25. Kokuytseva T.V., Ostrovskaya A.A. Fundamentals of innovative development management in the CIS. - Moscow: RUDN, 2014.
26. Commercial appraisal of investment projects. - SPb .: IKF "Alt", 1993.
27. Kondratyev ND Big cycles of the conjuncture and the theory of foresight - selected works. - M., "Economics", 2002.
28. Kononenko G.Sh. Strategic program-targeted management of the production and economic system. Generalization and practical recommendations: monograph / P.I. Kononenko. M .: Dashkov i K., 2003 .--
29. Kosov E.V., Popov G.Kh. Management of cross-sectoral science and technology programs. M., Economics, 1972.
30. E. G. Kochetov Geoeconomics (Development of the world economic space). M .: Publishing house "BEK", 2006.
31. Kochkarov PA Formalization of target programs / PA Kochkarov , AA Kochkarov // Models of economic systems and information technologies: Collection of scientific papers. Vol . HP. -M .: Finn. Academy, 2004.S. 61 - 72.
32. Kochkarov PA Target programs: instrumental support / RA Kochkarov ; Fin. Academy under the Government of the Russian Federation. M .: ZAO Publishing House "Economics", 2007.

33. B. N. Kuzyk *Russia and the World in the XXI Century* - Moscow: Institute for Economic Strategy, 2006.
34. Kuzyk B.N., Kushlin V.I., Yakovets Yu.V. *Forecasting, strategic planning and national programming*. Moscow: Economics, 2011.
35. *Methodology for assessing the effectiveness and progress of programs using new indicators*. - M.: Ministry of Education of the Russian Federation. Federal Agency for Education; SPb.: LLC "Book House". 2008.
36. *Methodological recommendations for evaluating the effectiveness of investment projects*. - M.: Economics, 2000.
37. *Methodological recommendations for assessing the effectiveness of investment projects and their selection for financing* / Office. ed. - e. M.: Terinvest, 1994.
38. *Program-targeted regulation of socio-economic development of regions* / N. D. Guskova, E.G. Kovalenko, J.I.A. Kormishkina and others. Sci. ed. N.P. Makarkin. Saransk: Publishing house of Mordovian University, 1999.
39. Chursin A.A. *Theoretical foundations of competitiveness management. Theory and practice: monograph* / A.A. Chursin. - M.: Spektr, 2012.
40. Chursin A.A., Baimuratov U.B., Makarov Yu.N. *Investments with innovations: synergy in the competitiveness of the economy* / Under the general scientific editorship of Professor, Doctor of Economics A. A. Chursina. - M.: 2011. Publishing house "MAKD": Mechanical engineering, 2011.
41. Chursin A.A., Vasiliev S.A. *Competition, innovation and investment (non-linear synthesis)*. - M.: Mechanical Engineering, 2011.
42. Chursin A.A., Okat'ev N.A. *Innovation and investment in the organization*. - M.: Mechanical Engineering, 2011.

Scientific journals

1. *Bulletin of the Peoples' Friendship University of Russia. Series: Economics*. Access mode: <http://journals.rudn.ru/economics>
2. *Bulletin of St. Petersburg University. Management*. Access mode: <http://www.vestnikmanagement.spbu.ru>
3. *Bulletin of St. Petersburg University. Economy*. Access mode: <http://economicsjournal.spbu.ru>
4. *Issues of an innovative economy*. Access mode: <http://vinec.creativeconomy.ru>
5. *Economic issues*. Access mode: <http://www.vopreco.ru>
6. *Innovation*. Access mode: <http://www.maginnov.ru>
7. *Innovation in management*. Access mode: <http://innmanagement.ru/>
8. *WORLD (Modernization. Innovation. Development)*. Access mode: <http://www.mir-nayka.com>
9. *Foresight*. Access mode: <http://foresight-journal.hse.ru>
10. *Economy of the region*. Access mode: <http://economyofregion.ru>

Internet sources:

1. <https://cyberleninka.ru/>
2. <https://scholar.google.ru/>
3. <https://webofknowledge.com/>
4. <https://www.researchgate.net/>
5. <https://www.sciencedirect.com/>
6. <https://www.scopus.com/>

Regulations legal acts:

1. National program "Digital Economy of the Russian Federation" (approved by the minutes of the meeting of the Presidium of the Council under the President of the Russian Federation for Strategic Development and National Projects No. 7 dated June 4, 2019). Access mode: <https://digital.gov.ru/ru/activity/directions/858/>
2. The main directions of the Government's activities for the period up to 2024, approved by the

Government of the Russian Federation on September 29, 2018 No. 8028p-P13.

3. Decree of the Government of the Russian Federation of October 28, 2020 N 1750 "On approval of the list of technologies used in the framework of experimental legal regimes in the field of digital innovations." Стратегия инновационного развития Российской Федерации, утвержденная распоряжением Правительства Российской Федерации от 8 декабря 2011 г. № 2227-р
4. The strategy of scientific and technological development of the Russian Federation, approved by the Decree of the President of the Russian Federation of December 1, 2016 No. 642,
5. Decree of the President of the Russian Federation of May 7, 2018 No. 204 "On national goals and strategic objectives of the development of the Russian Federation for the period up to 2024"
6. Federal Law of August 23, 1996 N 127-FZ "On Science and State Scientific and Technical Policy"
7. Federal Law of July 29, 2017 N 216-FZ "On Innovative Scientific and Technological Centers and on Amendments to Certain Legislative Acts of the Russian Federation" (with amendments and additions)
8. Federal Law of July 31, 2020 N 258-FZ "On Experimental Legal Regimes in the Field of Digital Innovation in the Russian Federation".
9. Federal Law of July 31, 2020 N 309-FZ "On Amendments to the Federal Law" On Science and State Scientific and Technical Policy ".

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

Teaching the course involves teaching methods such as seminars, business games, case studies, group and individual counseling, master classes, and independent work of graduate students.

Types of classes and teaching methods:

| | |
|---------------------------|---|
| Seminars | Classroom dialogue form of classes on one of the topics of the course, involving the active participation of graduate 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 the texts of primary sources, accumulation practical experience in solving typical professional problems. |
| Business games | Joint activities of a group of students and a teacher under the guidance of a teacher in order to solve educational and professionally oriented tasks through a game modeling a real problem situation. |
| Case tasks | A problematic task in which the student is asked to comprehend a real professionally oriented situation. |
| Group Academic Counseling | 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 graduate students. At the request of graduate students, it is possible to submit additional topics for discussion: topics of particular interest to them, which do not receive sufficient coverage in the course. This form of classes is mandatory for the teacher, the student has the right not to take part in such a consultation if he has successfully mastered this section of the course on his own or if the additional topic discussed does not interest him. |
| Individual consultations | An out-of-class form of the teacher's work with an individual graduate student, which implies a discussion of those sections of the discipline that were unclear to the student. |
| Master Class | Lecture and / or group consulting by an invited well-known and highly qualified foreign or domestic scientist (or practice in this field). The task is to show the real side of research and applied work in science and to demonstrate to graduate students the standards of thinking of a professional in their chosen specialization. |

| | |
|------------------|--|
| Independent work | Reading recommended literature (mandatory and additional), preparation for oral presentations, preparation for written tests (midterm, final tests), homework, writing essays, essays, as well as other types of work necessary to complete the curriculum |
|------------------|--|

Conditions and criteria for giving marks

Postgraduate students are required to attend seminars, participate in certification tests, and complete teacher assignments. Particularly appreciated is the active work at the seminar (the ability to lead a discussion, a creative approach to the analysis of materials, the ability to clearly and succinctly formulate one's thoughts), as well as the quality of preparation of tests (tests) and reports.

Grades for the discipline taught are based on the results demonstrated by graduate students throughout the semester. The final grade is determined by the sum of points received by graduate students for various types of work during the entire period of study provided for in the curriculum.

All types of educational work are carried out exactly on time, provided by the training program. If a graduate student, without good reason, did not complete any of the study assignments (missed the test, passed the essay later than the due date, etc.), then for this type of educational work, he will not be awarded points, and those prepared later than the due date is not evaluated.

Matching scores and ratings

| Scores of BRS | traditional assessments of the Russian federation | ECTS ratings |
|---------------|---|--------------|
| 95 – 100 | Excellent – 5 | A (5+) |
| 86 – 94 | | B (5) |
| 69 – 85 | Good – 4 | C (4) |
| 61 – 68 | Satisfactory – 3 | D (3+) |
| 51 – 60 | | E (3) |
| 31 – 50 | Unsatisfactory – 2 | FX (2+) |
| 0 – 30 | | F (2) |
| 51 - 100 | Test | Passed |

Description of indicators, criteria, and scale of competence assessment

- The rating is unsatisfactory in the form F (2); FX (2+).
- The F (2) score is given if the student scored less than 30 points, and the FX (2+) score is 31-50 points. The FX score (2+) makes it possible to retake the exam or test.
- A satisfactory rating is given in the form E (3); D (3+). An E (3) score is given if the student has scored between 51 and 60 points. D rating(3+) – subject to the availability of 61-68 points.
- A good grade is given in form C (4), provided that the student scored 69-85 points.

The score is excellent in the form B (5); A (5+). A B (5) grade is given if the student has scored 86-94 points and indicates that all the required conditions for completing the course have been met. The grade A (5+) - 95-100 points is given not only if all the requirements are met, but also with the obligatory manifestation of a creative attitude to the subject, the ability to find original answers that are not contained in textbooks, the ability to work with sources that are contained in the additional literature for the course, the ability to combine the knowledge gained in this course with the knowledge of other disciplines.

12. Fund of assessment tools for intermediate certification of students in the discipline

Materials for assessing the level of mastering the educational material of the discipline "Management of Economic Systems" (assessment materials), including a list of competencies indicating the stages of their formation, description of indicators and criteria for assessing competencies at various stages of their formation, description of assessment scales, standard control tasks or other materials necessary for assessing knowledge, skills, skills and (or) experience of activity, characterizing the

stages of the formation of competencies in the process of mastering the educational program, methodological materials that determine the procedures for assessing knowledge, skills, skills and (or) experience of activities that characterize the stages of formation of competencies, developed in full and available for students on the discipline page at TUIS RUDN.

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

Developers:

V.A. Ermakov

(signature)

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