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**Federal State Autonomous Educational Institution of High Education
PEOPLE'S FRIENDSHIP UNIVERSITY OF RUSSIA (RUDN)**

High School of Industrial Policy and Entrepreneurship

(name of the main educational unit (PMO) - the developer of the postgraduate program)

Department of Applied Economics

(name of the basic educational unit (BEU) - the developer of the postgraduate program)

THE WORKING PROGRAM OF THE DISCIPLINE

Economics of Innovation (Advanced)

(name of discipline/module)

Scientific specialty:

5.2.3 Regional and sectoral economy

(code and name of scientific specialty)

**The development of the discipline is carried out as part of the implementation of the
postgraduate program:**

5.2.3. Regional and sectoral economy

(name of postgraduate program)

1. The purpose of mastering the discipline

The goals and objectives of the discipline "Economics of Innovation" is to prepare for the candidate's examinations, as well as the development of competencies: (AC - academic competencies, RC - research competencies).

2. Requirements for the results of mastering the discipline

Mastering the discipline "Economics of Innovation" is aimed at preparing for the candidate's examinations, as well as mastering the following competencies:

AK - academic competencies:

RC - research competencies:

3. Volume of discipline and types of educational work.

The total labor intensity of the discipline "Innovation Economics" is 4 CU.

Table 4.1. Types of educational work by periods of mastering the postgraduate program

Table № 1

Prior and subsequent disciplines aimed at the formation of competencies

Type of study work		Total ac.h.	Course			
			1	2	3	4
1.	Contact work, ac.h	72	72	72		
	Including:					
1.1.	Lesson (LS)	36	18	18		
1.2.	Laboratory work (LW)					
1.3.	Practical / seminar sessions (SS)	36	18	18		
2.	Individual work	72	36	36		
	Including:					
2.1.	Individual work of students, ac.h.					
2.2.	Coursework (test with assessment),ac.h.					
	<i>Other types of individual work</i>					
3.	Total labor intensity (academic hours)	144	72	72		
	Total labor intensity (CU)	4	2	2		

4. The content of the discipline

Table 5.1. The content of the discipline (module) by type of educational work

Name of the discipline section	Contents of the section (topic)	Type of study work
Section 1. Introduction to the course "Economics of Innovation"	Theme 1.1. Introduction to the Economics of Innovation course	LS
Section 2. Theoretical Foundations of the Economics of Innovation	Theme 2.1. Theoretical Foundations of the Economics of Innovation	LS

Section 3. Trends in innovative development in the world	Theme 3.1. Trends in innovative development in the world	LS, C3
Section 4. Russian experience of innovative development	Theme 4.1. Russian experience of innovative development	LS, C3
Section 5. National innovation systems	Theme 5.1. National innovation systems	LS, C3
Section 6. The best world practices of innovative development	Theme 6.1. The best world practices of innovative development	LS, C3
Section 7. Tools and mechanisms for innovation management	Theme 7.1. Tools and mechanisms for innovation management	LS, C3
Section 8. Innovative potential of the organization	Theme 8.1. Innovative potential of the organization	LS, C3
Section 9. Innovation strategy	Theme 9.1. Innovation strategy	LS, C3
Section 10. Innovation Marketing	Theme 10.1. Innovation Marketing	LS, C3
Section 11. Life cycle of innovation	Theme 11.1. Life cycle of innovation	LS, C3
Section 12. From innovative idea to business model	Theme 12.1. From innovative idea to business model	LS, C3
Section 13. Innovation project management	Theme 13.1. Innovation project management	LS, C3
Section 14. Innovation management risks	Theme 14.1. Innovation management risks	LS, C3
Section 15. Organizational culture of an innovative company	Theme 15.1. Organizational culture of an innovative company	LS, C3
Section 16. Intellectual Property Management	Theme 16.1. Intellectual Property Management	LS, C3
Section 17. Commercialization of innovative technologies and promotion of innovative products	Theme 17.1. Commercialization of innovative technologies and promotion of innovative products	LS, C3
Section 18. Evaluation of the effectiveness of innovative development	Theme 18.1. Evaluation of the effectiveness of innovative development	LS, C3

5. 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.

6. 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

7. Educational, methodological and information support of the discipline

Main literature

1. Gokhberg L.M., Ilyenkova N.D., Kuznetsov V.I., Masyakin B.V., Pudich V.S., Yagudin S.Yu., Popov N.D., Tikhomirova N.P. Innovative management // Textbook for university students studying in the specialty "Management", specialties of economics and management (080100) / Edited by SD Ilyenkova. Moscow, 2007. (3rd edition, revised and expanded)

2. Innovation management / ed. V. Ya. Gorfinkelya and others. M.: Vuzovsky textbook, 2019.

3. Innovation management. Harvard Business Review: Top 10 Articles. Moscow: Alpina Publisher, 2020.

4. N. A. Kravchenko, S. A. Kuznetsova, V. D. Markova, E. A. Solomennikova, V. V. Titov, T. P. Cheremisina, A. T. Yusupova, and N. P. Baldina, Khalimova S.R. Innovations and competitiveness of enterprises // edited by V.V. Titov; Institute of Economics and Organization of Industrial Production of the Siberian Branch of the Russian Academy of Sciences. Novosibirsk, 2010.

5. Formation of the digital economy in Russia: challenges, prospects, risks: monograph / ed. E. B. Lenchuk. - St. Petersburg: Aletheya, 2020. - 320 p.

6. Formation of the digital economy in Russia: challenges, prospects, risks: monograph / ed. E. B. Lenchuk. - St. Petersburg: Aletheya, 2020. - 320 p.

additional literature

1. Bolonin A.I., Ragulina Yu.V. Innovations in the development of the economy and society. Monograph / Moscow, 2019.

2. Glazyev S. Yu. Leap into the future. Russia in the new technological and world economic structures. M.: Knizhny Mir, 2019. - 768 p.

3. Gokhberg L. M., Ditkovsky K. A., Evnevich E. I., Kuznetsova I. A., Martynova S. V., Ratai T. V., Fridlyanova S. Yu., Rosovetskaya L. A. Indicators innovation activity: 2020: statistical compendium. M.: National Research University "Higher School of Economics", 2020.

4. Jeyeon S., Kyungmuk L. The Samsung Way: Change Management Strategies from the World Leader in Innovation and Design / transl. from English. O. Shevel. M.: Olimp-Business, 2020. - 368 p.

5. Dranaeva A.A., Kokuytseva T.V., Rusinov A.A. Innovative potential as a condition for the economic growth of the region: monograph; ed. prof., d.e.s. A.A. Chursin. – M.: Spektr, 2012. – 277 p.

6. Efremov V.S. Strategic management in the context of innovative development // Management in Russia and abroad. 2014. S. 13.

7. Kokuytseva T.V. Innovation management (textbook) Moscow: RUDN University, 2021. ISBN 978-5-209-10661-6 - 87 p.

8. Kokuytseva T.V. Ensuring a balanced development of innovative and investment activities of economic systems (textbook) Moscow: RUDN University, 2021. ISBN 978-5-209-10845-0 - 96 p.

9. Modernization of Russia: conditions, prerequisites, chances. Collection of articles and materials. Issue 1 / Ed. V.L. Inozemtseva. — Moscow, Center for Post-Industrial Society Studies, 2009.
10. Prosvirkina E.Yu., Prosvirkin N.Yu., Subbocheva A.A. Management of innovation motivation of companies in Russia: a guide for top managers. M.: Biblio-globus, 2017.
10. Analysis of Management Strategies for the Aircraft Production Ramp-up. — URL: <https://www.anylogic.com/resources/case-studies/analysis-of-management-strategies-for-the-aircraft-production-ramp-up/>
11. Andersen, T.J. Making Risk Management Strategic: Integrating Enterprise Risk Management with Strategic Planning / T.J. Andersen // European Management Review. — 2019. — Vol. 16. — Issue 3. — P. 719–740.
12. AS/NZS Risk Management Standart 4360:1999. — URL: <http://www.riskmanagement.com.ua>
13. Barton, T. Improving Board Risk Oversight / T. Barton, W. Shenkir, P. Walker. Through Best Practices. — Institute of Internal Auditors Research Foundation, 2011. — 81 p.
14. Brown, B. Enterprise risk management. 2008 / B. Brown. — URL: www.resourcesusa.com
15. BS 31100:2011 Risk Management: Code of practice and guidance for the implementation of BS ISO 31000 OCEGRedBook. — URL: <http://www.oceg.org/category/resources/standards/>
16. Chiappori, P.A. Testing for Asymmetric Information in Insurance Markets / P.A. Chiappori, B. Salanié // The Journal of Political Economy. — 2000. — Vol. 108. — No. 1. (Feb.). — P. 56–78.
17. Corporate risk management. Edited by Donald H. Chew. — Columbia University Press. Kindle Edition, 2012.
18. COSO Enterprise Risk Management — Integrated Framework. 2004. COSO.
19. Dubrovsky, V.Zh. Changes in the product portfolio of defence contractors: global experience and opportunities for Russia / V.Zh. Dubrovsky, Ye.M. Ivanova // Journal of new economy. — 2018. — No. 19 (2). — P. 75–87.
20. Fayol, H. Administration industrielle et générale / H. Fayol. — Dunod et Pinat, 1917. — 174 p.

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.creativeeconomy.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".

8. 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
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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.

9. 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:



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(signature)

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