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Peoples' friendship university of russia

Department of National Economy

PROGRAM AND DESCRIPTION OF THE COURSE

INNOVATION POLICY OF ENTERPRISE

Bachelor Program field 38.03.01 "Economy"

specialty: "Economics of enterprise"

Qualification (degree) graduate: Bachelor Degree

2023

1. Goals and objectives of discipline:

The goal of the course: The main goal of the course is to train qualified professionals with comprehensive knowledge and thinking in the field of innovation; acquaintance with modern methodology and development of practical skills to analyze the innovative capabilities of the company; acquaintance with commercialization of innovation as an important source of economic growth and profit maximization, improvement of competitiveness, business activity and financial stability of the firm.

The main objectives of the study subjects are:

Mastering by bachelor students the modern tools and analytical apparatus for analysis of key economic issues. Acquiring of practical skills of comprehensive analysis of the different economic policy options. Familiarization with the most promising modern research theories in the field of Macroeconomics.

2. Place of discipline in the structure of the study plan:

This course is proposed as an elective course within the Block 12 of the Program. Knowledge and skills acquired in the study of this course are used in the study of discipline "Economic strategy of the company", in the papers and in writing bachelor qualification paper, the organization of scientific activity of students.

Table 1- Prior and subsequent disciplines aimed at the formation of competencies

Шифр	Компетенция	Индикаторы достижения компетенции
PKO--3	Able to organize the economic activities of enterprises of various forms of ownership and manage their efficiency	PKO-3.1 .Able to organize the activities of a small group created for the implementation of a specific economic project PKO-3.2 is able to use modern technical means and information technologies to solve communication problems PKO-3.3 is able to critically evaluate the proposed options for management decisions, develop and justify proposals for their improvement, taking into account the criteria of socio-economic efficiency, risks and possible socio-economic consequences

4. The work load of discipline and types of training activities

Credit hours for the discipline are **2 credit units (one semester)**

Type of school work	Total hours	Semester			
		5	6	7	8
	34		4	34	
Lectures					
Seminars (C) (C3)	34			34	
Course project	56			56	
Self-study (total)	18			18	
The overall credit hours	ак.ч.	108		108	
	зач.ед.	3		3	

Course content:

Topic 1. Basic concepts of innovation development. Innovation process

Essence and basic definitions of innovation. Innovation process: stages and subjects. Classification of innovation. Innovation statistics

Topic 2. State regulation of innovation

State activity in the innovation sphere. State policy instruments. Modern state innovation policy in the Russian Federation.

Topic 3. Financing of innovation activities.

Sources of financing innovations of companies: own funds, borrowed funds and raised funds. State funding. Market ways of raising funds for innovative projects.

Topic 4. Venture financing.

Objectives, principles and methods of venture business. Stages of venture investment. Business angels and venture funds. Ways to minimize the risks of venture entrepreneurs.

Topic 5. Large, medium and small innovative enterprises.

The concept of innovative organization. External and internal environment for innovation. Sources of innovation. Features of the innovation activities of large companies, small and medium-sized innovative companies. Intercompany scientific and technical cooperation, international innovative cooperation.

Topic 6. Innovative strategies of enterprises.

Offensive, defensive, imitational corporate innovation strategies. Closed and open innovation.

Topic 7. National innovation systems.

Three major actors of NIS: state, business, universities. The roles of the three players. NIS of the RF.

5.2 Thematic sections and interdisciplinary connection with other disciplines.

Discipline is taught in the second semester of the master’s program and does not require follow-up training courses.

5.3. Workload composition

TOPIC	seminars (h)
Topic 1. Basic concepts of innovation development. Innovation process	5
Topic 2. State regulation of innovation	5
Topic 3. Financing of innovation activities.	4
Topic 4. Venture financing.	6
Topic 5. Large, medium and small innovative enterprises.	6
Topic 6. Innovative strategies of enterprises.	5
Topic 7. National innovation systems.	5
Total	36

6. Laboratory workshop. Not provided.

7. Practical exercises (seminars)

TOPIC	seminars (h)
Topic 1. Basic concepts of innovation development. Innovation process	5
Topic 2. State regulation of innovation	5
Topic 3. Financing of innovation activities.	4
Topic 4. Venture financing.	6
Topic 5. Large, medium and small innovative enterprises.	6
Topic 6. Innovative strategies of enterprises.	5
Topic 7. National innovation systems.	5
Total	36

8. Sample topics for presentation and discussion:

1. “The Strategy of innovative development of the RF up to year 2020”: goals and strategies for development.

2. Current status of innovative sector of the Russian economy.
3. International and national statistics of innovation: macro and micro levels.
4. Innovative firm: features and behavior.
5. Innovation infrastructure: business incubators, techno-parks – international and the Russian experience.
6. Different methods to finance innovations.
7. Business angels: who they are and what are their goals.
8. Venture capital funds: goals, strategies to minimize risks.
9. Big innovation companies: their role in the innovation process.
10. Medium, rapid growth companies, “gazelles”; their role in the innovation process.
11. Small innovative firms: their role in the innovation process.
12. The “Triple Helix” theory: interaction of the State, Universities and Business.
13. Small innovative firms at the universities. International experience and success stories in Russia.
14. The innovation infrastructure in Russia: efficient techno-parks.
15. University business incubators: goals and results. Success stories.

9. Methodical and informational support

a) main literature:

1. Karzanova I, Solovieva Yu., Zaynullin S., Samuseva T., Paleev D. Innovation activity of enterprise. RUDN, 2017. - 195 p. Available from

http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=470012&idb=0

b) additional literature:

1. The Global Innovation Index. Available from: www.globalinnovationindex.org

2. Annual Report 2019. RVC – Available: <https://www.rvc.ru/en/analytics/>

3. Cluster Policy in Russia: Reaching Global Competitiveness – Available: <https://www.rvc.ru/en/analytics/>

c) Internet resources:

- www.techbusiness.ru - "High-tech business" magazine
- www.strf.ru – Science and technology in Russia
- www.innovbusiness.ru – Innovation and Entrepreneurship
- www.rvc.ru – Russian Venture Company
- www.fasie.ru – Assistance (Bortnik) Fund
- www.rusnano.com – Rusnano
- www.sk.ru – Skolkovo

- www.hse.ru – Higher School of Economics
- www.expert.ru – “Expert” magazine
- www.asi.ru/nti - National Technological Initiative

10. Software

OC MS Windows (XP), MS Office 2010, Mentor

Logistical support discipline:

- classrooms (rooms) at the workplace for lectures (depends on the number of students) and for seminars (the number of students in separate groups);
- board;
- desktop PC with Microsoft Office 2007;
- multimedia projector;
- portable equipment - a laptop and a projector;
- screen (stationary or portable floor).

№ aud.	Name-equipped classrooms	List of main equipment
17	Classroom	Multimedia Projector - 2 pcs., Sound Tribune - 1 pc., Screen - 2 pcs.
19	Computer Class	Computers Pentium 4-1700/256MB/cd/audio - 21 pcs., Multimedia projector PanasonicPT-LC75 - 1 pc., The screen is 1 unit.
103	Classroom	Multimedia Projector - 1 pc.,
105	Classroom	Multimedia Projector - 1 pc.,
1	Classroom	Multimedia Projector - 1 pc.,
2	Classroom	Multimedia Projector - 1 pc.,
Conference hall	Classroom	Multimedia Projector - 1 pc., Sound equipment
Hall Library 4	Classroom	Multimedia Projector - 1 pc.,

There are 770 library workstations in the reading rooms of PFUR library. Reading and lending rooms of the Academic and Research Library are located in 5 university buildings. Some rooms are used for group work, 3 rooms are equipped with multimedia devices. Internet access is provided in the library via Wi-Fi.

There are more than 17000 Library readers. Library fund contains 1.800.000 books and is increased monthly. The funds are universal, they are formed by the discipline principle. It is increased due to departments' orders. The library staff counts 43, 36 of them have university degrees, 90% are computer competent.

Electronic catalogue has been compiled since 1990. Since 2010 PFUR e-library system has provided readers with information and full-text document access.

Book lending is done automatically. The free access room is equipped with self-service lending station applying RFIT-technology.

All PFUR computers provide access to PFUR e-library system and electronic sources.

The platform for information, service and resource access is available at the library website <http://lib.rudn.ru/>.

11. Guidelines on the organization of the discipline:

Types of classes and teaching methods

The implementation of the course includes, practical sessions (workshops) including multimedia equipment and an interactive tutorial, the independent creative works and their subsequent presentation, testing, group discussions on topics of the course.

Seminars	A classroom dialogue form of classes on one of the course topics, involving the active participation of students (all or some of them), aimed at developing their skills of independent theoretical analysis of the problems addressed in the course, including by studying texts of primary sources, accumulating practical experience in solving typical professional tasks.
Group academic counseling	The main task of group academic counseling is a detailed or in-depth examination of some theoretical course topics, the development of which, as a rule, makes it difficult for some students. At the request of students, it is possible to introduce additional ones for discussion: topics of particular interest to them that do not receive sufficient coverage in the lecture course. This form of study 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 the additional topic being discussed does not interest him.
Individual consultations	An out-of-class form of a teacher's work with an individual student, implying discussion of those sections of the discipline that were not clear to the student, or caused by the student's desire to work on writing a course or final qualifying work for the course being studied.
Independent work	Reading the recommended literature (mandatory and optional), preparing for oral presentations, preparing for written examinations (midterm, final tests), writing essays, essays, term papers and final qualifying works; as well as other types of work required to complete the curriculum

Terms and criteria for grading

From students are required to attend lectures and seminars, mandatory participation in the certification tests, the performance of the teacher's assignments. Especially 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 concisely formulate their thoughts), as well as the quality of the preparation of quizzes (tests) and reports.

Evaluation of the discipline being taught is based on the results of the study, demonstrated by students throughout the entire period of study (usually a semester). The final grade is determined by the amount of points received by students for various types of work during the entire period of study provided by the curriculum.

All types of educational work are carried out exactly in the terms stipulated by the training program. If a student, without good reason, did not complete any of the study tasks (he missed the test, passed the abstract later, etc.), then points are not awarded for this type of study, and the works prepared after the due date are not evaluated.

Grading policy - max 100 points, of which:

- attendance of classes and active work – 15 points
- midterm evaluation – 20 points
- final evaluation – 30 points
- report (text) – 15 points
- power point presentation – 20 points

Score-rating system of knowledge assessment, rating scale

BRS points	Traditional RF ratings	ECTS
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 ECTS ratings:

A ("Excellent") - the theoretical content of the course has been mastered completely, without gaps, the necessary practical skills of working with the mastered material have been formed, all the training tasks provided by the training program have been completed, the quality of their implementation is estimated by the number of points close to the maximum.

B ("Very Good") - the theoretical content of the course has been fully mastered, without gaps, the necessary practical skills of working with the mastered material are basically formed, all the training tasks provided by the training program are completed, the quality of performance of most of them is assessed by the number of points close to the maximum.

C ("Good") - the theoretical content of the course has been fully mastered, without gaps, some practical skills of working with mastered material are not sufficiently developed, all the training tasks provided for by the training program are completed, the quality of performance of none of them is assessed by the minimum number of 5 dollars, some types of tasks are completed with errors.

D ("Satisfactory") - the theoretical content of the course has been partially mastered, but the gaps are not essential, the necessary practical skills of care with the material mastered are mostly

formed, most of the training tasks provided by the training program are completed, some of the completed tasks may contain mistakes.

E ("Mediocre") - the theoretical content of the course has been partially mastered, some practical skills have not been formed, many of the training tasks provided by the training program have not been completed, or the quality of performance of some of them is assessed by the number of points close to the minimum.

FX ("Conditionally unsatisfactory") - the theoretical content of the course is partially mastered, the necessary practical skills are not formed, most of the training tasks provided by the training program are not fulfilled or the quality of their implementation is assessed by the number of points close to the minimum; with additional independent work on the course material it is possible to improve the quality of the performance of training tasks

F ("Certainly unsatisfactory") - the theoretical content of the course is not mastered, the necessary practical skills are not formed, all completed training tasks contain blunders, additional independent work on the course material will not lead to any significant improvement in the quality of the training tasks.

All training materials of the discipline are placed in TUIS (<http://esystem.pfur.ru>) and are available to students enrolled to the course.

12. The fund of assessment tools for the midterm evaluation of students in the discipline

"Innovation policy of enterprise"

Sample version of questions for intermediate assessment (essay, maximum 20 points):

1. What is innovation"? The main classifications of innovation. Examples of product, process, marketing, organizational, environmental innovation.
2. State regulation of innovation: causes and directions.
3. State funds and their role in supporting innovation in the Russian economy.
4. Sources of financing innovative projects at different stages of their life-cycle.
5. "Business Angels" and their role in the implementation of innovative projects.
6. Venture financing of innovative projects: goals of the investor, risk-minimization techniques, "exit" strategies.

The fund of assessment tools for the discipline is presented in the appropriate teaching materials placed in TUIS system/

The program is compiled in accordance with the requirements of general standards of higher education RUDN

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