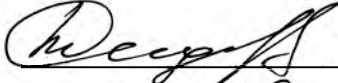


Educational Establishment
«Belarus State Economic University»

APPROVED

Vice-Rector for Scientific and
Methodological Work of
Educational Establishment
«Belarus State Economic University»

 T.V. Sadovskaya
21.06. 2023 г.
Registration No. УД 5603-23/уч.

Innovative Entrepreneurship in the World Economy

The curriculum of the establishment of higher education on the academic discipline
for the specialty 7-06-0311-02 World Economy

The curriculum of the establishment of higher education is based on the educational plan for the specialty 7-06-0311-02 World Economy (29.05.2023, Registration No. 27MFP-23)

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RECOMMENDED FOR APPROVING:

Department of World Economy of the Educational Establishment «Belarus State Economic University» (Minutes No. 10 dated 22.05.2023)

Scientific and Methodological Council of the Educational Establishment «Belarus State Economic University» (Minutes No. 7 dated 21.06.2023)

Explanatory note

The purpose of teaching the academic discipline: to develop in undergraduates in-depth theoretical and practical knowledge about the set of principles, types and methods of innovative entrepreneurship in the global and national economy, to develop practical skills in studying the problems and prospects for the development of innovative entrepreneurship, as well as the possibilities of financing innovative activities and commercialization of intellectual property to ensure the sustainable development of the organization and strengthen its competitive position in the national and world markets.

Tasks of the academic discipline:

- development of professional competencies in the field of research into patterns, processes and forms of development of innovative entrepreneurship at the national, regional and international levels;
- development of competencies in the analysis of innovation processes, patterns of development of the intellectual property market, trends in the implementation of innovative activities;
- mastering skills, knowledge and competencies in choosing organizational forms of innovative activity based on the goals and objectives of innovative entrepreneurship;
- developing skills to substantiate optimal management decisions in innovative entrepreneurship;
- providing knowledge about existing opportunities for commercializing the results of innovative activities, protecting intellectual property rights, and technology transfer at the national, regional and global levels.

The academic discipline “Innovative Entrepreneurship in the World Economy” is an independent discipline for students in the specialty 7-06-0311-02 World Economy. Master's students study the theoretical and methodological aspects of the formation and development of an innovative economy, acquire knowledge about innovative processes and innovative activities, gain an understanding of the characteristics of various types of innovative entrepreneurship, possible ways to finance innovative activities, commercialization of intellectual property and technology transfer. The academic discipline “Innovative Entrepreneurship in the World Economy” is aimed at developing analytical creative thinking, developing skills in using methods, analytical tools and incentives in practical work, taking into account the instability of internal and external conditions, as well as developing special approaches to making entrepreneurial decisions. It provides an opportunity for scientific substantiation of the optimal scientific and technical policy of organizations, forms the basis for making strategic and tactical management decisions for innovative entrepreneurship, and assessing their impact on the results of innovative activities.

The structure of the syllabus and the teaching methodology of the academic discipline take into account new results of economic research and the latest achievements in the field of pedagogy and information technology, guiding undergraduates to acquire relevant professional competencies. The academic

discipline is associated with the study of such academic disciplines as: “Innovative Development of an Organization (Enterprise)”, “Microeconomic Analysis and Policy”, “Small Business in the Global Economy”.

As a result of studying the academic discipline “Innovative Entrepreneurship in the World Economy”, the following competencies are formed:

- explore trends in global innovative development, manage innovative business entities, apply methods of commercialization of innovations and technology transfer.

As a result of studying the academic discipline, a master's student should:

to know:

- basic concepts of innovative economics, innovation activity, functions and classification of innovations;
- the main trends and stages of the theory of innovation in the context of the general evolution of innovative development, modern conceptual approaches in the development of the theory of innovation;
- legal acts regulating innovation activities at the national, regional and global levels;
- content, structure and basic models of innovation processes and factors influencing the development of innovation activity;
- content and features of innovative entrepreneurship, the role of the state in creating and stimulating the innovation sphere;
- existing models of national and regional innovation systems, indicators for assessing their performance, problems of development of national and regional innovation systems;
- formation and development of strategies for managing the innovative activities of organizations, an algorithm for their implementation;
- essence of the concept of socially oriented entrepreneurship, the forms of its practical implementation, the characteristic features of social entrepreneurship;
- features and types of environmental entrepreneurship, its role in ensuring sustainable development;
- basic concepts and principles of technological entrepreneurship, conditions for the successful functioning of technological entrepreneurship entities;
- domestic and foreign literature on theoretical, methodological, methodological and practical possibilities for financing innovative entrepreneurship;
- theoretical, legal and economic aspects of the use of intellectual property in innovative entrepreneurship, features of the introduction of digital technologies from the standpoint of protecting intellectual property rights;
- the main elements of the process of commercialization of the results of innovative activities, methods of studying and creating demand for innovative products;
- methods of technology transfer at the national and international levels;
- national and international legal aspects of commercialization of intellectual property;

- forms of sales of innovative products, features of their supply to foreign markets;

to be able to:

- analyze the processes occurring in the innovative economy at the national and global levels;

- identify the relationship between the goals and objectives of managing an innovative organization and the goals and objectives of the development of an innovative economy;

- assess the role of business entities in the innovation process, formulate an innovation strategy and organizational policy, set tasks for their implementation;

- analyze business processes, participate in project management, including innovation projects;

- determine the competitiveness of national and regional innovation systems, determine their main elements, relationships and interconnections;

- use all elements of innovation infrastructure to increase the effectiveness of innovation activities;

- identify existing and potential requests in relation to the changing technological capabilities of the organization;

- recognize social entrepreneurship among other socially oriented activities;

- analyze the current situation in order to identify opportunities for environmental entrepreneurship, understand national and international practices in the field of environmental activities;

- highlight the signs of high-tech activity, build a model of technological entrepreneurship;

- take into account the peculiarities of countries in the field of technology transfer and patenting of intellectual property;

- analyze promising technologies and innovative products based on commercialization opportunities;

- evaluate the effectiveness of sales of innovative products and intellectual property within the country and abroad;

to possess:

- skills in working with scientific and methodological literature, regulatory legal acts, reflecting the direction and regulation of the development of innovative processes;

- determining the most optimal innovative development strategy for the socio-economic system;

- management of various types of innovations in the organization, ways of attracting resources to carry out innovative activities;

- assessing the effectiveness of commercialization and management of an innovative organization;

- research and assessment of the effectiveness of elements of national and regional innovation systems;

- methods of comparative assessments of the success of national and foreign social entrepreneurship practices, the ability to assess economic and social conditions for the implementation of social entrepreneurial activities;
- terminology in the field of environmental, technological, venture and other areas of innovative entrepreneurship, methods of organizing and developing subjects of innovative activity;
- methods for selecting information about the possibilities of commercialization of innovative products and intellectual property.

In accordance with the curriculum of the specialty 7-06-0311-02 World Economy, the syllabus is designed for 108 hours, of which only 60 hours of classroom for the full-time form of training, 14 hours of classroom for part-time form of training. Distribution by the type of occupation for the full-time form of training: lectures - 34 hours, practical classes - 26 hours. Distribution by type of occupation for part-time form of training: lectures – 8 hours, practical classes – 6 hours.

The form of current assessment for the academic discipline is an examination.

The form of training – full-time, part-time.

Content of the educational material

Topic 1. Innovative development in comprehensive conditions

The role of innovation in the development of the global economy. Modern economic innovations. Innovative path of economic development. Innovative activity of multinational enterprises. Concept and features of the digital economy. Innovative activity in the digital economy.

Topic 2. Theoretical aspects of innovation

The concept of innovation. Economic manifestations of innovation. Classification of innovations. Theories of innovative development. The place of innovation in modern economic theories.

Topic 3. Innovation process and innovation activity

Contents of the innovation process. Forms of the innovation process. Subjects of the innovation process. Diffusion of innovations. Forms of innovation implementation. The concept of “death valley” of innovation. Sources of innovative ideas. Factors influencing innovation processes. The essence and types of innovative activities. Factors ensuring innovation activity.

Topic 4. Content of innovative entrepreneurship

Innovative entrepreneurship as a factor of competitiveness. The purpose and objectives of innovative entrepreneurship. Sources of ideas for innovative opportunities. Principles of innovative entrepreneurship. World experience in introducing innovative entrepreneurship in organizations. Entrepreneurial strategies in innovation.

Topic 5. Organizational forms of innovative entrepreneurship

Characteristics of the main organizational forms of innovative activity. The essence of organizing innovative activities. Classification of innovative organizations. Small innovative enterprises. Classification and formation of small innovative enterprises. The importance of small innovative enterprises in the global economy. Venture innovation enterprises. Stimulating the development of small innovative enterprises.

Topic 6. National and regional innovation systems

The concept of a national innovation system. Technological and science parks. Technology transfer centers. National innovation system of developed countries:

countries of the European Union, USA, Japan, Australia. National innovation system of developing countries: countries of Asia, South America, Africa. Characteristics of regional innovation systems. Structure of innovation systems in the regions. Principles and functions of managing a regional innovation system.

Topic 7. Social entrepreneurship in the global economy

The paradigm of socially oriented entrepreneurship. Support for social entrepreneurship. World practices of social entrepreneurship. Prospects for development within the framework of national economies and international relations.

Topic 8. Environmental entrepreneurship in the global economy

The concept of “green economy”. The essence of environmental entrepreneurship. Types of environmental entrepreneurship. Features of environmental entrepreneurship in world practice. Environmental controlling.

Topic 9. Technological entrepreneurship

Concept of technological entrepreneurship. Features of technological entrepreneurship. Management of technological enterprise structures. Support for high-tech businesses. World experience in the development and internationalization of technological entrepreneurial structures.

Topic 10. Venture entrepreneurship

The concept of venture entrepreneurship. Venture financing. Development of venture entrepreneurship in the world.

Topic 11. Financing of innovative entrepreneurship

Features of innovation activity as an object of financing. Sources and forms of financing innovative entrepreneurship. Budgetary financing of innovation activities. Features of venture financing of innovative projects. World practice of financing small innovative enterprises.

Topic 12. Social aspects of innovative entrepreneurship

The relationship between innovation processes and society. Conceptual approaches to determining social effects from innovation activities. Methods for assessing the social performance of innovation activities. Social responsibility in innovative entrepreneurship.

Topic 13. Intellectual property in innovative entrepreneurship

The essence of intellectual property. Intellectual property as a product of innovative activity. Fundamentals of legal protection of intellectual property. Intellectual property as a commodity on the global market. Intellectual property in international technological exchange. Digital technologies as the results of intellectual activity.

Topic 14. Technology transfer and commercialization of intellectual property

Technology as an object of transfer and commercialization. The process of technology diffusion and its role in the innovative development of the national economy. The relationship between the concepts of technology transfer and diffusion. Foreign experience in technology transfer. Legal basis for technology transfer. Commercialization of intellectual property. The place and role of commercialization in the life cycle of protected innovations. Forms and methods of commercialization of intellectual property. Patent and licensing activities of small innovative enterprises.

Educational and methodological map of the academic discipline “Innovative Entrepreneurship in the World Economy”
for the full-time form of higher education

Section number, topics	Section title, topics	Number of class hours					Other*	Form of control of knowledge	
		Lectures	Practical classes	Seminar classes	Laboratory classes	Amount of hours GSS			
						L			PC
1	Innovative development in comprehensive conditions	4		1				[1-5, 10, 11]	Survey, test
2	Theoretical aspects of innovation	2		1				[1-5, 9, 14]	Survey, test
3	Innovation process and innovation activity	2		2				[1-5, 9, 10]	Survey, test
4	Content of innovative entrepreneurship	2		2				[1-5, 6, 10]	Survey, test
5	Organizational forms of innovative entrepreneurship	2		2				[1-5, 6, 12]	Survey, test
6	National and regional innovation systems	2		2				[1-5, 12, 17]	Survey, test
7	Social entrepreneurship in the global economy	2		2				[1-5, 9, 16]	Survey, test
8	Environmental entrepreneurship in the global economy	2		2				[1-5, 15, 16]	Survey, test
9	Technology entrepreneurship	2		2				[1-5, 16, 1 8]	Survey, test
10	Venture entrepreneurship	2		2				[1-5, 8]	Survey, test
11	Financing of innovative entrepreneurship	2		2				[1-5, 8, 16]	Survey, test
12	Social aspects of innovative entrepreneurship	2		2				[1-5, 5, 6]	Survey, test
13	Intellectual property in innovative entrepreneurship	4		2				[1-5, 7, 13]	Survey, test
14	Technology transfer and commercialization of intellectual property	4		2				[1-5, 7, 13]	Survey, test
	Total hours	34		26					Exam

Educational and methodological map of the academic discipline “Innovative Entrepreneurship in the World Economy”
for the part-time form of higher education

Section number, topics	Section title, topics	Number of class hours					Other*	Form of control of knowledge	
		Lectures	Practical classes	Seminar classes	Laboratory classes	Amount of hours GSS			
						L			PC
1	Innovative development in comprehensive conditions	1						[1-5, 10, 11]	Survey, test
2	Theoretical aspects of innovation	1						[1-5, 9, 14]	Survey, test
3	Innovation process and innovation activity			1				[1-5, 9, 10]	Survey, test
4	Content of innovative entrepreneurship	1						[1-5, 6, 10]	Survey, test
5	Organizational forms of innovative entrepreneurship	1						[1-5, 6, 12]	Survey, test
6	National and regional innovation systems			1				[1-5, 12, 17]	Survey, test
7	Social entrepreneurship in the global economy	1						[1-5, 9, 16]	Survey, test
8	Environmental entrepreneurship in the global economy	1						[1-5, 15, 16]	Survey, test
9	Technology entrepreneurship	1						[1-5, 16, 18]	Survey, test
10	Venture entrepreneurship	1						[1-5, 8]	Survey, test
11	Financing of innovative entrepreneurship			1				[1-5, 8, 16]	Survey, test
12	Social aspects of innovative entrepreneurship			1				[1-5, 5, 6]	Survey, test
13	Intellectual property in innovative entrepreneurship			1				[1-5, 7, 13]	Survey, test
14	Technology transfer and commercialization of intellectual property			1				[1-5, 7, 13]	Survey, test
	Total hours	8		6					Exam

Information and methodological part

Methodical recommendations on the organization of independent work of master students in the academic discipline “Innovative Entrepreneurship in the World Economy”

An important step in mastering knowledge of the academic discipline is independent work. The main directions of independent work are:

- initially a detailed introduction to the syllabus;
- acquaintance with the list of recommended literature on the discipline in general and its topics, its availability in the library and other available sources, the study of the necessary literature on the topic, the selection of additional literature;
- studying and expanding the lecture material of the teacher at the expense of special literature, consultations;
- preparation for seminars on specially designed plans with the study of basic and additional literature;
- preparation for diagnostic monitoring forms (tests, control work and so on);
- preparation for the exam.

List of recommended competence diagnostic tools

1. Oral forms of diagnosis of competencies: interviews, oral presentations at seminar classes, reports at conferences, evaluation based on discussion.
2. Written forms of competence diagnostics: tests, test papers, essays, abstracts, publication of articles, reports.
3. Oral and written forms of competence diagnostics: reports in classroom, practical exercises with their oral defense.
4. Technical form of competence diagnostics: electronic tests.

Normative and legislative acts

1. On the development of entrepreneurship: Decree of the President of the Republic of Belarus dated 23 November 2017 No. 7 // National Register of legal acts of the Republic of Belarus. – 24 November 2017 – No. 1/17364.
2. On the commercialization of the results of scientific and scientific-technical activities created at the expense of public funds: Decree of the President of the Republic of Belarus dated 4 February 2013 No. 59 // National Register of legal acts of the Republic of Belarus. – 5 February 2013 – No. 1/14056.
3. On the Strategy of the Republic of Belarus in the field of intellectual property until 2030: Resolution of the Council of Ministers of the Republic of Belarus dated 24 November 2021 No. 672 // National Register of legal acts of the Republic of Belarus. – 25 November 2021 – No. 5/49660

LITERATURE

Basic:

1. Dudko, E.N. International trade in intellectual property: educational and methodological manual / E.N. Dudko, G.V. Turban, I.A. Zambrizhitskaya. – Minsk : RIVSH, 2020. – 90 p.
2. World experience in stimulating innovative development of the economy: mechanisms, tools, adaptation prospects for the Republic of Belarus: [monograph / D.V. Mucha et al.; under scientific ed. D.V. Mucha] ; National Acad. Sciences of Belarus, Institute of Economics. –Minsk : Belaruskaya navuka, 2020. - 378, [3] p.
3. Moiseeva, N.K. International marketing and business : textbook / N.K. Moiseeva. – Moscow : KURS : INFRA-M, 2019. - 270, [1] p. : ill.
4. Nechepurenko, Yu.V. Intellectual property management (short course) : manual for undergraduates of higher education institutions / Yu.V. Nechepurenko. – Minsk : BSU, 2020. – 183 p.
5. Fundamentals of entrepreneurship : textbook for students of higher education institutions in non-economic specialties / [V.L. Klyunya and others] ; edited by V.L. Klyunya, N.V. Borodacheva; [Belarus State University]. – Minsk : Publishing Center of BSU, 2019. - 308, [1] p. : ill. (Library of a successful student).

Additional:

6. Valdaytsev, S.V. Small innovative entrepreneurship : textbook / S.V. Valdaytsev, N.N. Molchanov, K. Pezoldt. – M. : Prospekt, 2016. – 536 p.
7. Gorfinkel, V.Ya. Innovative management : textbook / ed. V.Ya. Gorfinkel, T.G. Popadiuk. - 4th ed., revised – Moscow : Vuzovskiy uchebnyk : INFRA-M, 2021. - 380 p. - ISBN 978-5-9558-0311-1. – Text : electronic. – URL: <https://znanium.com/catalog/product/1247039> (date of access: 02.09.2023). – Access mode: by subscription.
8. Gribov, V.D. Innovative management : textbook / V.D. Gribov, L.P. Nikitina. – Moscow : INFRA-M, 2022. - 311 p. - (Higher education: Bachelor's degree). - DOI 10.12737/1531. - ISBN 978-5-16-004870-3. – Text : electronic. - URL: <https://znanium.com/catalog/product/1842532> (date of access: 02.09.2023). – Access mode: by subscription.
9. Dontsova, O.I. Innovative economics : textbook / O.I. Dontsova. – Moscow : INFRA-M, 2021. - 217 p. - (Higher education: Master's degree).- DOI 10.12737/textbook_5cda60c7d5a032.22522929. - ISBN 978-5-16-016895-1. – Text : electronic. - URL: <https://znanium.com/catalog/product/1317775> (date of access: 02.09.2023). – Access mode: by subscription.
10. Innovative entrepreneurship in Belarus in the context of deepening economic ties with China: [monograph / T.V. Sadovskaya and others]; edited by T.V. Sadovskoy, V.K. Ladutko ; National Acad. Sciences of Belarus, Institute of Economics. – Minsk : Belaruskaya navuka, 2019. - 195, [2] p.

11. Kozhukhar, V.M. Innovative management : textbook / V.M. Kozhukhar – Moscow : Dashkov i K, 2018. - 292 p.: ISBN 978-5-394-01047-7. – Text : electronic. - URL: <https://znanium.com/catalog/product/351616> (date of access: 02.09.2023). – Access mode: by subscription.

12. Mukhamedyarov, A.M. Innovative management: textbook / A.M. Mukhamedyarov. - 3rd ed. – Moscow : INFRA-M, 2022. - 191 p. - (Higher education: Bachelor's degree). - ISBN 978-5-16-006730-8. – Text : electronic. - URL: <https://znanium.com/catalog/product/1744673> (date of access: 02.09.2023). – Access mode: by subscription.

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14. Fundamentals of scientific and innovative activities / ed. L.N. Nekhorosheva, V.A. Struk. – Minsk : Pravo i ekonomika, 2016. – 489 p.

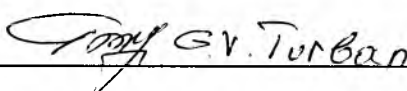
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17. Yanchuk, A.L. Indonesia's innovation system in the context of global changes // A.L. Yanchuk. – Nauka i innovatsii. – 2021. - No. 11. – pp. 46-51.

18. Yanchuk, A.L. Conceptual approaches to defining technological entrepreneurship as a way to ensure sustainable development of the national economy // Scientific works of Belarus. State Econ. University ; edited by A.V. Egorov (chief editor) [and others]. – Minsk : BSEU, 2022. – pp. 536-544.

PROTOCOL OF HARMONIZATION OF THE SYLLABUS

Title of the academic disciplines with which approval required	Department	Suggestions about the changes in the content of the higher education syllabus for academic discipline	The decision taken by the department to develop the syllabus (with the date and protocol number)
Small Business in the Global Economy	Department of International Business		22.05.2023 N 10

ADDITIONS AND CHANGES TO THE SYLLABUS
for the ____ / ____ academic year

No	Additions and changes	Base

The syllabus was reviewed and approved at a meeting of the department

_____ (protocol No ____ of _____ 202_ r.)
(the name of the department)

Chair of the department

_____ (signature) _____ (Initials Surname)
(academic degree, academic title)

APPROVED
Dean of the Faculty

_____ (signature) _____ (Initials Surname)
(academic degree, academic title)