

«ИЛІЯС ЖАНСУГІРОВ АТЫНДАҒЫ ЖЕТІСУ УНИВЕРСИТЕТІ» КЕ АҚ
НАО «ЖЕТІСУСКИЙ УНИВЕРСИТЕТ ИМЕНИ ИЛІЯСА ЖАНСУГУРОВА»
NPJSC «ZHETYSU UNIVERSITY NAMED AFTER ILYAS ZHANSUGUROV»

БЕКІТІЛДІ/ УТВЕРЖДЕНО/ APPROVED

университеттің Ғылыми Кеңесі отырысында/
на заседании Ученого совета университета/

at the meeting of the Academic Council of the University/

Хаттама/Протокол/ Protocol № 8 «27» 03 2025

Басқарма Төрағасы – Ректор/ Председатель /

Правления – Ректор/ Chairman of the Board-Rector

Ғ.д., профессор Е. Бурибаев/

д.ю.н., профессор Е. Бурибаев /

d.l.s., Professor Y. Buribayev



7М04101 – «Экономика» білім беру бағдарламасы бойынша

ЭЛЕКТИВТІ ПӘНДЕР КАТАЛОҒЫ

қабылдау жылы: 2025

КАТАЛОГ ЭЛЕКТИВНЫХ ДИСЦИПЛИН

по образовательной программе 7М04101 – «Экономика»

год приема: 2025

CATALOG OF ELECTIVE DISCIPLINES

on educational program 7M04101 – «Economics»

year of admission: 2025

Элективті пәндер каталогы білім алушылардың жеке білім траекториясын қалыптастыру үшін элективті оқу пәндерінің жүйелендірілген тізбесі болып табылады/ Каталог элективных дисциплин представляет собой систематизированный перечень элективных учебных дисциплин для формирования индивидуальной образовательной траектории обучающихся / The Catalog of elective disciplines represents the systematic list of elective academic disciplines to form an individual educational trajectory of learners.

Кафедра менеджмента/
Заведующий кафедрой/
Head of the Department:



э.ғ.к. Г. Тулешова
к.э.н. Г. Тулешова
c.e.s. G. Tuleshova

Жұмыс берушілермен және студенттік активтің өкілдерімен келісілген/ Согласован с работодателями и представителями студенческого актива/ Agreed with the employers and student activity representatives:

Халықты әлеуметтік қорғау саласындағы реттеу және бақылау комитетінің Жетісу облысы бойынша департаменті /
Департамент Комитета регулирования и контроля в сфере социальной защиты населения по области Жетісу /
Zhetysu Regional Department of the Committee for Regulation and Control in the Sphere of Social Protection of the Population



Департамент басшысы
З. Илимжанова
Руководитель департамента
З. Илимжанова
Head of the Department
Z. Ilimzhanova

Студенттік активтің өкілі /
Представитель студенческого актива /
Student activity representative:



Д. Даутпаева
Д. Даутпаева
D. Dautbayeva

Университеттің Академиялық Кеңесі отырысында ұсынылған/ Рекомендован на заседании Академического совета университета / Recommended at the meeting of the University academic council

(Хаттама/ Протокол/ Report № 7, «26» 03 2025).

Университеттің Академиялық Кеңесі төрағасы/ Председатель Академического совета университета /
Chairman of University academic council



PhD,кауымд. профессор Б.Таубаев
PhD,ассоц. профессор Б.Таубаев
PhD,associate Professor B. Taubayev

Code of module: SCT 1

Name of module: Scientific and communicative theory

Name of discipline: History of philosophy and science

Prerequisites: Philosophy, political science, cultural studies, sociology

Postrequisites: application of knowledge and practical skills in professional activities

Purpose: formation of undergraduates' skills and abilities of independent research of philosophical problems, the manifestation of interest in cognitive activity, as well as consolidation of knowledge among students in philosophical science. The main task of the student is to study philosophical doctrines, concepts, categories, methods of cognition of reality and reveal the relationship between theory and practice.

Brief description:

Considers philosophy and methodology of science, culture, science in civilization, the emergence of science, the main stages of the historical dynamics of science, the development of science and philosophy in the Middle Ages, scientific achievements of the Renaissance, science and philosophy of the new era, the structure, levels, methods, scientific revolutions, ethical issues of science, the scientific image of the world.

Learning outcomes: To show the knowledge gained at the level of higher professional education, which is the basis or opportunity for the original development or application of ideas, often in the context of scientific research

Formed competencies: Core competencies (CC) - masters get acquainted with the basic concepts of history and philosophy of science, correctly assess the state of modern scientific development and participate in this process using theoretical knowledge. **Subject competence (SC)** – after the full completion of the discipline undergraduates fully master the basic laws of what is the history and philosophy of science, the logic of science, the status and problems of the history of science, the methodological foundations of the philosophy of science, the role and functions of science in society.

Special competence (SC) – science was considered in most cases, when it is responsible for all the bad sides and sins of modern civilization, you learn to make the right decisions on this issue; understand the essence, capabilities, patterns, prospects and basic forms of scientific development; form the influence of the philosophical concept on the development of science.

Code of module: SCT 1

Name of module: Scientific and communicative theory

Name of discipline: Higher school pedagogy

Prerequisites: pedagogy (bachelor's course)

Postrequisites: application of knowledge and practical skills in professional activities

Purpose: research of regularities of development, education and training of students and development on this basis of ways of improvement of process of preparation of the qualified specialist.

Brief description: Explores the laws and tools of the educational process (self-education), teaching, education (self-education), development (self-development) and professional preparation of students for a type of activity and public life.

High school didactics, theory and methods of higher education, high school management, high school technology are considered.

Learning outcomes: To show the knowledge gained at the level of higher professional education, which is the basis or opportunity for the original development or application of ideas, often in the context of scientific research

Formed competencies: able to improve their intellectual and general cultural level, moral and physical development of the personality

Code of module: SCT 1

Name of module: Scientific and communicative theory

Name of discipline: Foreign language (professional)

Prerequisites: : Foreign language B1

Postrequisites: Foreign language C1

Purpose: To form a professional foreign language speech allowing to implement various aspects of professional activity of future specialists to improve the level of professional competence of the specialist

Brief description: The course reflects the current trends and requirements for learning a foreign language in the professional sphere. It includes the goals and objectives of the

discipline, a list of skills for the implementation of foreign language speech activity in professional communication, the characteristics of the situations in which these skills are implemented, the main language material characteristic of professional speech.

Learning outcomes: To show the knowledge gained at the level of higher professional education, which is the basis or opportunity for the original development or application of ideas, often in the context of scientific research

Formed competencies: Core competencies (CC) - Readiness of undergraduates to communicate verbally and in writing in the state language and a foreign language to solve the problems of professional activity, to know practical ways of finding scientific and professional information using modern computer tools, network technologies, databases and knowledge.

Subject competence (SC) – after completion of the course master students should know peculiarities of intercultural research activities. Rules of communicative behavior in situations of intercultural scientific communication. Requirements for registration of scientific papers adopted in international practice.

Special competence (SC) – awareness of the goals and objectives of scientific and methodological activities;

– knowing theoretical and methodological foundations of foreign language culture;

– knowledge of the achievements of domestic and foreign methodological heritage, modern methodological directions and concepts of foreign language education to solve specific methodological problems of a practical nature

Code of module: SCT 1

Name of module: Scientific and communicative theory

Name of discipline: Psychology of management

Prerequisites: psychology (bachelor's course)

Postrequisites: application of knowledge and practical skills in professional activities

Purpose: study of psychological regularities of management activity, analysis of psychological conditions and features of management activities in order to improve the efficiency and quality of work in the management system.

Brief description: The course provides students with an introduction to modern ideas about the role and multifaceted content of the psychological component of management; improving the psychological culture of the future master for the successful implementation of professional activity and self-improvement.

Learning outcomes: To show the knowledge gained at the level of higher professional education, which is the basis or opportunity for the original development or application of ideas, often in the context of scientific research
Formed competencies: able to improve their intellectual and general cultural level, moral and physical development of the personality

Code of module: SDNE 3

Name of module: National Economy Development System

Name of discipline: Innovation and entrepreneurial risks

Prerequisites: business **Postrequisites:** Design and defense of a master's thesis

Purpose: study of the mechanism to achieve efficiency of investment projects. Study the need for and effectiveness of the economic content of the investment project

Brief description: The course examines modern risk management methods, stages of the risk management process, basic risk assessment methods, risk minimization mechanisms, tools for solving problems in the field of risk management; risk management programs in innovative entrepreneurship.

Learning outcomes: To show the knowledge gained at the level of higher professional education, which is the basis or opportunity for the original development or application of ideas, often in the context of scientific research;

Apply special methods of economic analysis of production and economic activity of the enterprise ;

Analyze and evaluate projects and programs, monitor the process of their implementation on the basis of modern Kazakh and foreign standards in the field of project management

Formed competencies: Have an understanding of the system of modern methods of management of investment activities, adequate market economy;

Open to new investment ideology and investment management culture;

Master the skills of logical, analytical and conceptual thinking

Code of module: SDNE 3

Name of module: National Economy Development System

Name of discipline: Assessment and expertise of innovative business project

Prerequisites: business **Postrequisites:** Analysis and risk management of the company's business processes

Purpose: Familiarization with the main points of the examination of innovative projects, methods of risk assessment, as well as with the theoretical foundations of business planning. Formation and development of students' professional competencies in the field of innovation and management of innovative projects

Brief description: The course considers the formation of a holistic view of innovation management, the content of innovative entrepreneurship, the basic concepts of innovation; evaluation of innovative business projects to justify the ways and forms of attracting investment in new technologies; examination of innovative business projects, the implementation of an innovation strategy as a technology of innovative transformations.

Learning outcomes: Apply special methods of economic analysis of production and economic activity of the enterprise ;

To summarize the results of research and analytical work in the form of a dissertation, scientific article, report, analytical note, etc.;

Analyze and evaluate projects and programs, monitor the process of their implementation on the basis of modern Kazakh and foreign standards in the field of project management **Formed competencies:** able to independently acquire, comprehend, structure and use new knowledge and skills in professional activities, develop their innovative abilities; able to expand and deepen their scientific worldview; able to independently formulate research goals, establish a sequence of problem solving

Code of module: SDNE 3

Name of module: National Economy Development System

Name of discipline: Strategic support for the development of rural areas

Prerequisites: Macroeconomics

Postrequisites: Analysis and assessment of socio-economic processes in the region

Purpose: development of theoretical and methodological provisions of the management of sustainable development of rural areas of the region, mastering the basic knowledge on the implementation of the principles of sustainable development of rural areas in the main sectors of social development

Brief description: The course examines the approaches that determine the prerequisites for the formation of the theory of sustainable development of rural territories, the economic content of the categories "rural territories", "sustainability", "development", "sustainable development", features of foreign experience and domestic practice of rural development in order to assess the possibilities of their use.

Learning outcomes: To summarize the results of research and analytical work in the form of a dissertation, scientific article, report, analytical note, etc.;

Integrate the knowledge gained in the framework of the study of disciplines of international importance to solve research problems in new uncertain conditions;

To assess the importance of professional development; to choose and apply a systematic analysis of economic indicators and forecasting of the economic state of an enterprise, region or industry.

Formed competencies: Has the ability to use knowledge for the management of land resources, real estate, organization and conduct of cadastral and land management works; the ability to implement measures for the implementation of design decisions on land management and cadastres

Code of module: SDNE 3

Name of module: National Economy Development System

Name of discipline: Agro-industrial complex and agro-food security of the country

Prerequisites: Macroeconomics

Postrequisites: Analysis and assessment of socio-economic processes in the region

Purpose: formation of skills necessary for a systematic holistic view of the basic principles,

patterns, development of economic strategies, their justification and presentation of work results in accordance with accepted standards and the use of work results in professional activities.

Brief description: The course studies the agro-industrial complex of Kazakhstan, the concept of economic security of the country, the classification of threats to agricultural and food security of the Republic of Kazakhstan, the state strategy of agricultural and food security of the Republic of Kazakhstan.

Learning outcomes: To summarize the results of research and analytical work in the form of a dissertation, scientific article, report, analytical note, etc.;

To assess the importance of professional development; to choose and apply a systematic analysis of economic indicators and forecasting of the economic state of an enterprise, region or industry.

Formed competencies: Have the ability to independently prepare assignments and develop design solutions taking into account the uncertainty factor, develop appropriate methodological and regulatory documents, as well as proposals and measures for the implementation of developed projects and programs

Code of module: SDNE 3

Name of module: National Economy Development System

Name of discipline: The global economy and the internationalization of companies

Prerequisites: Macroeconomics **Postrequisites:** Scientific research work of the master student

Purpose: formation of skills necessary for generalization and evaluation of the results obtained by domestic and foreign researchers to identify promising areas in professional activity

Brief description: The course examines the causes and patterns of the emergence and development of the global economy, the formation of ideas about the mechanism of functioning of the global economy, the formation of ideas about the place and role of globalization processes in the life of society and the internationalization of companies

Learning outcomes: To summarize the results of research and analytical work in the form of a dissertation, scientific article, report, analytical note, etc.;

Integrate the knowledge gained in the framework of the study of disciplines of international importance to solve research problems in new uncertain conditions;

To assess the state of socio-economic processes in the context of the development of the processes of economic globalization

Formed competencies: Have the ability to develop strategies for the behavior of economic agents in various markets; the ability to prepare analytical materials for evaluating economic policy measures and making strategic decisions at the micro and macro levels

Code of module: SDNE 3

Name of module: National Economy Development System

Name of discipline: Economics of human resources and labor

Prerequisites: Macroeconomics **Postrequisites:** Scientific research work of the master student

Purpose: study and application of methods for analyzing labor indicators based on sound organizational and economic standards. The course materials cover the issues of analysis, planning and management of personnel costs, productivity and labor efficiency

Brief description: The study of the basics of the modern theory of economics by human resources at the macro-meso - and micro-levels; the disclosure of the economic nature of labor potential and the system of formation and use of human resources.

Learning outcomes: To show the knowledge gained at the level of higher professional education, which is the basis or opportunity for the original development or application of ideas, often in the context of scientific research

To predict the consequences of decisions made by individual market participants in the economic and social development of the population's life;

To assess the state of socio-economic processes in the context of the development of the processes of economic globalization

Formed competencies: possess the ability to determine the goals, objectives and types of current business evaluation of personnel in accordance with the strategic plans of the organization; the ability to develop and implement a policy of attracting, selecting and selecting competitive personnel; possess the skills of implementing and implementing personnel and social policy, personnel management strategy of the organization

Code of module: SDNE 3

Name of module: National Economy Development System

Name of discipline: Infrastructure of the regional agri-food market

Prerequisites: Macroeconomics **Postrequisites:** Research practice

Purpose: formation of students' complex of theoretical and practical knowledge on the formation and effective functioning of the infrastructure of the regional agro-food market

Brief description: The course examines the economic content, features, classification of elements of the infrastructure of the agri-food market in the system of economic relations, the development of the infrastructure of the agri-food market in the region

Learning outcomes: To summarize the results of research and analytical work in the form of a dissertation, scientific article, report, analytical note, etc.;

To assess the importance of professional development; to choose and apply a systematic analysis of economic indicators and forecasting of the economic state of an enterprise, region or industry.

Formed competencies: have the ability to analyze and interpret data from domestic and foreign statistics on socio-economic processes and phenomena, identify and analyze trends in socio-economic indicators of the infrastructure of the regional agro-food market

Code of module: SDNE 3

Name of module: National Economy Development System

Name of discipline: International economic integration and Kazakhstan

Prerequisites: Macroeconomics **Postrequisites:** Research practice

Purpose: formation of students' complex of theoretical and practical knowledge on international economic integration and Kazakhstan

Brief description: The course studies the peculiarities of the emergence, formation and development of the world integration process, the problems of the development of international economic integration, the development of European integration, analyzes the factors and principles of integration processes in the Eurasian space. Integration processes in the Asia-Pacific region are studied. Integration on the American continent is evaluated, the dynamics of North American integration (NAFTA) is analyzed, ideas and plans for the integration of Latin American countries are studied. The role and place of Kazakhstan in international economic integration

Learning outcomes: Integrate the knowledge gained in the framework of the study of disciplines of international importance to solve research problems in new uncertain conditions;

To assess the state of socio-economic processes in the context of the development of the processes of economic globalization

Formed competencies: have the ability to determine the main trends in the development of the world economy, assess various approaches to the problem of including the region of specialization in the system of world economic relations; the ability and willingness to independently and professionally formulate and develop relevant issues from international economic integration, analyze the state and main trends in the development of the world economy and Kazakhstan

Code of module: MMEA 2

Name of module: Micro- and macroeconomic analysis

Name of discipline: Microeconomics (advanced level)

Prerequisites: Microeconomics **Postrequisites:** Macroeconomics (advanced level)

Purpose: development of theoretical and applied knowledge of undergraduates about the main economic problems in the field of microeconomics, methods and possibilities of microeconomic analysis, game theory and other modern scientific means of studying microeconomic processes.

Brief description: The course "Microeconomics (advanced level)" is an in-depth presentation of the fundamental issues of microeconomics theory. Advanced level of study of the discipline involves the study of basic theoretical concepts, taking into account the current level of understanding. This approach will allow to expand opportunities and to form competence approach in complex training of specialists of the second stage of education.

Learning outcomes: To show the knowledge gained at the level of higher

professional education, which is the basis or opportunity for the original development or application of ideas, often in the context of scientific research
Formed competencies: have the ability to prepare analytical materials for evaluating economic policy measures and making strategic decisions at the micro level

Code of module: MMEA 2

Name of module: Micro- and macroeconomic analysis

Name of discipline: Investment planning

Prerequisites: Macroeconomics **Postrequisites:** Macroeconomics (advanced level)

Purpose: formation of financial and investment activity planning skills using modern methods, techniques and technologies

Brief description: The course reveals the practice of investment planning in all its manifestations and considers the ability to determine the goals, strategy of the enterprise (organization), develop an action plan for the future, determine the amount of investment to achieve the goals and evaluate the effectiveness of investment costs in the project.

Learning outcomes: Analyze and evaluate projects and programs, monitor the process of their implementation on the basis of modern Kazakh and foreign standards in the field of project management;

To assess the importance of professional development; to choose and apply a systematic analysis of economic indicators and forecasting of the economic state of an enterprise, region or industry.

Formed competencies: evaluate investment projects under different conditions of investment and financing, apply various methods of planning long-term investments and sources of their financing; express and justify their position on financial and investment planning

Code of module: MMEA 2

Name of module: Micro- and macroeconomic analysis

Name of discipline: Macroeconomics (advanced level)

Prerequisites: Macroeconomics **Postrequisites:** Research practice

Purpose: familiarization with the fundamental economic science underlying the entire system of economic knowledge and the formation of a scientific economic worldview; mastering the methodology and tools for the study of economic phenomena and processes at the macro level.

Brief description: The course gives masters a deeper understanding of the behavior of economic agents at the macroeconomic level, mastering the knowledge of the laws of economic development at the national level, allowing them to properly navigate in solving problems of money circulation, financial, credit and manufacturing sectors, to set and solve problems related to their professional activities, taking into account economic feasibility.

Learning outcomes: To show the knowledge gained at the level of higher professional education, which is the basis or opportunity for the original development or application of ideas, often in the context of scientific research;

To analyze the methods of technical and economic analysis, to substantiate the decisions taken and implemented in the field of economics

Formed competencies: Have the ability to evaluate the effectiveness of macroeconomic projects taking into account the uncertainty factor; the ability to analyze and use various sources of macroeconomic information for economic calculations

Code of module: MMEA 2

Name of module: Micro- and macroeconomic analysis

Name of discipline: Modernization of institutions in the context of new economic development

Prerequisites: Macroeconomics **Postrequisites:** Research practice

Purpose: creation of incentives for the modernization of institutions in the context of new economic development based on the liberalization of the conditions of economic activity of business entities of all forms of ownership, the formation of a favorable business climate

Brief description: The study of this course provides insight into the objective and subjective factors affecting the economic development of modern Kazakhstan, aimed at the study of theoretical and methodological approaches to the economic and social modernization of institutions in the new economic development.

Learning outcomes: Integrate the knowledge gained in the framework of the study of disciplines of international importance to solve research problems in new uncertain

conditions;

To assess the state of socio-economic processes in the context of the development of the processes of economic globalization

Formed competencies: have the ability to analyze and explain political, socio-cultural, economic factors of modernization of institutions in the context of new economic development

Code of module: MMEA 2

Name of module: Micro- and macroeconomic analysis

Name of discipline: Methodology and organization of scientific research in Economics management

Prerequisites: Principles of Economics and entrepreneurship **Postrequisites:** Design and defense of a master's thesis

Purpose: formation of fundamental problems of the methodology of scientific cognition, identification of the position, place and role of research methods in the system of economic sciences, improvement and further development of the general methodological foundations of economic research methods

Brief description: The study of this discipline is based on objective processes of development of scientific knowledge and scientific methods, differentiation and professionalization of economic theory. The organization of scientific research in Economics is a necessary condition for the inclusion of economic theory in the General system of scientific disciplines. The development of the methodology of economic research as an organic part of the General scientific methodology contributes to the analysis of a wide range of phenomena related to changes in the organization of economic life.

Learning outcomes: To show the knowledge gained at the level of higher professional education, which is the basis or opportunity for the original development or application of ideas, often in the context of scientific research;

To summarize the results of research and analytical work in the form of a dissertation, scientific article, report, analytical note, etc.;

To assess the importance of professional development; to choose and apply a systematic analysis of economic indicators and forecasting of the economic state of an enterprise, region or industry

Formed competencies: have the ability to independently carry out research activities in the relevant professional field using modern methods of economic research

Code of module: MMEA 2

Name of module: Micro- and macroeconomic analysis

Name of discipline: Methods of teaching economic disciplines

Prerequisites: Principles of Economics and entrepreneurship **Postrequisites:** Design and defense of a master's thesis

Purpose: the formation of students' theoretical knowledge and practical skills in the field of pedagogical activity, the formation of competencies to perform various types of professional activities of a teacher of various economic disciplines at a university.

Brief description: This course teaches undergraduates to apply general concepts and control elements of the pedagogical process to the teaching of economic disciplines. With the help of modern methodological techniques, it activates the mental activity of students in the main forms of the educational process. Examines the theoretical foundations and practical skills for the successful application of the methodology of teaching economic disciplines.

Learning outcomes: To show the knowledge gained at the level of higher professional education, which is the basis or opportunity for the original development or application of ideas, often in the context of scientific research;

To assess the importance of professional development; to choose and apply a systematic analysis of economic indicators and forecasting of the economic state of an enterprise, region or industry.

Formed competencies: Have the ability to perform professional and pedagogical functions to ensure the effective organization and management of the pedagogical process of training workers, employees and mid-level specialists

Code of module: AMEP 4

Name of module: Analysis and modeling of economic processes

Name of discipline: Analysis and risk management of the company's business processes
Prerequisites: Principles of Economics and entrepreneurship **Postrequisites:** The global economy and the internationalization of companies
Purpose: Formation of knowledge, skills and abilities about risk management at the enterprise; about the choice and methods of risk management; about the set of algorithms, procedures, techniques and methods of risk management of enterprises and organizations
Brief description: The course has an applied nature, allows students to acquire a set of professional knowledge, labor functions for effective professional activity in the field: determining the context, identifying, analyzing risks and developing measures to influence risk factors.
Learning outcomes: Apply special methods of economic analysis of production and economic activity of the enterprise;
Apply special methods of economic analysis of production and economic activity of the enterprise
Formed competencies: the ability to apply the basic methods of financial management for asset valuation, working capital management, investment decisions, financing decisions, the formation of dividend policy and capital structure, including when making decisions related to operations on world markets in the context of globalization

Code of module: AMEP 4
Name of module: Analysis and modeling of economic processes
Name of discipline: Analysis and assessment of socio-economic processes in the region
Prerequisites: Macroeconomics **Postrequisites:** Infrastructure of the regional agri-food market
Purpose: determination of the features, priorities and strategies of socio-economic development of territories, the use of research methods of regional economy and social sphere, as well as the development of universal competencies and the basis for the development of professional competencies, taking into account the dynamic changes taking place in the national and global economy
Brief description: It provides familiarization with theoretical and methodological approaches to the analysis of socio-economic development of regions, in the formation of stable ideas about the nature of socio-economic changes taking place in the regions of Kazakhstan, mastering the methods of research and analysis of socio-economic processes, the formation of special knowledge, research skills.
Learning outcomes: To predict the consequences of decisions made by individual market participants in the economic and social development of the population's life;
To assess the state of socio-economic processes in the context of the development of the processes of economic globalization;
To assess the importance of professional development; to choose and apply a systematic analysis of economic indicators and forecasting of the economic state of an enterprise, region or industry.
Formed competencies: the ability to calculate economic and socio-economic indicators characterizing the activities of economic entities on the basis of standard methods and the current regulatory framework; the ability to collect, analyze, systematize, evaluate and interpret data necessary for solving professional tasks; the ability to analyze and assess possible economic risks, make and justify forecasts of the dynamics of the development of the main threats to the economic security of regions

Code of module: AMEP 4
Name of module: Analysis and modeling of economic processes
Name of discipline: Modern mathematical tools of economic analysis
Prerequisites: mathematics in Economics **Postrequisites:** Design and defense of a master's thesis
Purpose: formation and assimilation of knowledge, skills and abilities in the field of application of modern mathematical apparatus to economic theory and practice, which are necessary for work in public and private structures, as well as the development of professional qualities, competencies necessary to perform functional duties in the field of economics
Brief description: The course forms the assimilation of knowledge and skills in the field of application of modern mathematical apparatus to economic theory and practice, which are

necessary for work in public and private structures, as well as the development of professional qualities, competencies necessary to perform functional duties in the field of Economics.

Learning outcomes: Apply special methods of economic analysis of production and economic activity of the enterprise

Formed competencies: To know the basic mathematical methods used in modeling economic phenomena, such as convex programming, the maximum principle, dynamic programming, vector optimization, fixed point theorems; to be able to competently use these methods in the development and research of economic and mathematical models; to have skills in solving ordinary differential equations, solving specific problems of optimal control and dynamic programming, finding equilibria

Code of module: AMEP 4

Name of module: Analysis and modeling of economic processes

Name of discipline: Social development in the context of economic changes

Prerequisites: Macroeconomics **Postrequisites:** Design and defense of a master's thesis

Purpose: selection and implementation of strategic priorities of social development of territories based on modern scientific approaches and technologies in the context of economic changes

Brief description: The course studies the components of the economics of social work and the principles of its organizations at the present stage, the impact of market relations on the social sphere.

Learning outcomes: To predict the consequences of decisions made by individual market participants in the economic and social development of the population's life; To assess the state of socio-economic processes in the context of the development of the processes of economic globalization

Formed competencies: the ability to determine the priorities of professional activity, develop and effectively execute management decisions, including in conditions of uncertainty and risks, apply adequate tools and technologies of regulatory influence in economic changes; the ability to determine the quality parameters of management decisions and the implementation of administrative processes, identify deviations and take corrective measures

Code of module: AMEP 4

Name of module: Analysis and modeling of economic processes

Name of discipline: Economic security of the company

Prerequisites: Macroeconomics

Postrequisites: Design and defense of a master's thesis

Purpose: formation of knowledge and skills for timely identification of crisis situations in the activities of an enterprise (organization) to prevent possible damage due to inefficient use of corporate resources

Brief description: The course studies the essence and basics of the content of the economic security of an enterprise, an individual, the main criteria and indicators of the level of security, methods of analyzing commercial risk.

Learning outcomes: Apply special methods of economic analysis of production and economic activity of the enterprise;

Apply special methods of economic analysis of production and economic activity of the enterprise

Formed competencies: The ability to critically evaluate the proposed options for management decisions and develop and justify proposals for their improvement, taking into account the criteria of socio-economic efficiency, risks and possible socio-economic consequences

Module Code: GME 2

Module Title:

Globalization and Modernization of the Economy

Name of discipline:

Artificial Intelligence in Economics and Business

Prerequisites:-

Postrequisites:

Doctoral Research Work

Purpose:

To study the theoretical foundations and practical applications of artificial intelligence methods in economics and business; to develop skills in analyzing and forecasting economic processes using AI technologies; and to foster an understanding of how digital intelligent systems influence the transformation of market institutions and management models.

Brief description:

The purpose of this course is to introduce doctoral students to the main approaches and methods of artificial intelligence (machine learning, neural networks, intelligent data analysis, etc.) and their applications in economic analysis, business process management, and decision-making. The course emphasizes the practical use of AI to improve business efficiency, forecast market trends, and analyze consumer behavior.

Learning Outcomes:

Apply artificial intelligence methods to solve economic analysis and business forecasting tasks;
Develop and adapt intelligent systems for automating managerial decision-making in business;
Evaluate the effectiveness of AI implementation in economic and entrepreneurial activities.

Formed competencies:

Ability to apply AI tools for collecting, processing, and interpreting large volumes of economic data;
Skills in developing and implementing intelligent solutions in economics and business;
Ability to analyze the impact of AI on institutional transformation and the digital economy.