

Alikhan Bokeikhan University
Faculty of Information Technology and Economics
Department of Business and Management

CATALOGUE OF ELECTIVE COURSES
8D04105 Economics

year of admission – 2024

Semey, 2024

Reviewed and approved at the meeting of the Faculty's Educational and Methodological Council

Protocol no. 4 from 15.03. 2024 year

Chairman of the UMS faculty _____ Shoibakova E.O.

Approved at the meeting of the Educational and Methodological Council of the University

Protocol no. 5 from 28.03. 2024 year

Chairman of the UMS _____ Tatyana Basova C.S.



Degree awarded: Doctor of PhD according to
the educational program «8D04105 Economics»

№ of the component of choice	Name of the discipline or module	Number of credits	Prerequisites	Postrequisite you	A brief description indicating the purpose of the study, brief content and expected results of the study (knowledge, skills, skills, competencies)
BASIC DISCIPLINES					
Components of choice (CC)					
Module 1. Methodology of teaching and research					
1	Organization and methods of teaching economic disciplines	5	Master's degree disciplines	Performing research work of doctoral students, including writing a doctoral dissertation	<p>Summary of the discipline: The discipline is aimed at studying the requirements for planning and organizing the educational and scientific process, pedagogical technologies for choosing the most optimal ones in the process of teaching economic disciplines, developing educational and methodological materials taking into account the integration of education, science and innovation.</p> <p>Expected result:</p> <p>Knowledge: theoretical foundations of the methodology of teaching economic disciplines, taking into account the principles of student-centered learning and assessment; didactic foundations of transforming scientific information into educational information, organizing the educational and scientific process, structuring and selecting the content of educational material, modern trends in the field of the profession, practice-oriented methods and technologies of teaching.</p> <p>Skills: analyze pedagogical technologies to select the most optimal ones in the process of teaching economic disciplines and implementation; develop educational and methodological materials for disciplines taking into account the integration of education, science and innovation; conduct training sessions taking into account student-centered learning and assessment using innovative teaching methods and techniques, establish feedback with the learner using digital technology</p> <p>Skills: master the basic methods of objective diagnostics and assessment of economic knowledge; practical skills in activating the learning process, taking into account the integration of education, science and innovation and the development of economic information, ensuring the aca-</p>

					<p>ademic competence of students and developing research skills Competencies: special</p>
1	Empirical methods of studying international economics	5	Master's degree disciplines	Performing research work of doctoral students, including writing a doctoral dissertation	<p>Summary of the discipline aimed at mastering empirical research methods, basic concepts and principles of their classification, observation as an empirical research method, the practice of applying the observation method in international economics and marketing, skills of material (classical) and computational experiment.</p> <p>Expected result: Knowledge: methodology and organization of empirical research. Skills: generalize the results of Information sources, develop methodological foundations for applied research. Select analytical tools, differentiate between empirical research methods; organize and implement the process of scientific research, formalizing the results of scientific activity for entering them into databases; apply empirical research methods in scientific work, collect and process primary data, transform them into a form suitable for analysis, including by means of information technologies and systems; determine the structure of the article and prepare it for publication, including skills in working with scientometric databases and their applications, such as Web of Science and Scopus. Skills: design and implement complex research based on economic and mathematical modeling, as well as independently develop mathematical models of economic processes using computer modeling and implement them. Competencies: special</p>

MAJOR DISCIPLINES

Components of choice (CC)

Module 3. Development of economic and scientific potential

1	Economic and mathematical modeling of business processes	5	Master's degree disciplines	Performing research work of doctoral students, including writing a	<p>Summary of the discipline: is aimed at studying various mathematical models, methods of their construction, methods of calculation and application for solving economic problems, modern directions of economic and mathematical modeling, applying methods of development and financial support of investment activities of the organization.</p>
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			<p>doctoral dissertation</p>	<p>Expected result: Knowledge: principles of construction, characteristic features, factors of choice and transformation of business models of companies in management strategies; fundamentals of the evolution of business models, classification criteria; models of the relationship between management and owners, criteria for choosing rational strategies and tactics, their economic and mathematical modeling of business processes, tools and methods for evaluating the economic effectiveness of the implementation of an investment project; basic approaches to the development of strategies and tactics of commercial organizations; Skills: to establish a link between the business model and the company's strategy; to apply various tools and procedures for identifying the business model used; to develop financial documents for an investment project and analyze the sources of their financing; to organize and implement the process of scientific research, formalizing the results of scientific activity for entering them into databases; to determine the structure of the article and prepare it for publication, including skills in working with scientometric databases and their applications, such as Web of Science and Scopus; to make strategic decisions concerning the development of corporate entities, including participation in public-corporate partnership projects, including in relation to the commercial sphere. Skills: to design and carry out comprehensive research based on economic and mathematical modeling, as well as independently develop mathematical models of economic processes using computer modeling and implement them; navigate modern business models of economics and management, determine the directions of their use; be competent when choosing the algorithm and structure of the business model, predict future trends, development and financial support of the investment activity of the project. Competencies: special</p>
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1	Key concepts of modern management	5	Master's degree disciplines	Performing research work of doctoral students,	<p>Summary of the discipline: The discipline is aimed at mastering modern trends in the development of management in conditions of uncertainty and macroeconomic challenges, models of the process of managing socio-economic systems.</p> <p>Expected result:</p> <p>Knowledge: of the knowledge system about management, information management and quality management theory; about modern management methods and their application in management activities; about the principles and methods of information resource management.</p> <p>Skills: identify effective relationships between individual elements of the information flow process and create conditions for improving the competitiveness of products and the enterprise as a whole;</p> <p>Skills: To master: design and implement complex research based on economic and mathematical modeling, as well as independently develop mathematical models of economic processes using computer modeling and implement them; skills in using improvement tools in practical activities; navigate modern business models of economics and management, determine the directions of their use; be competent in choosing the algorithm and structure of the business model, predict future trends; independently organize the activities of the enterprise information system and resolve issues related to the organization and management of the information process.</p> <p>Competencies: special</p>
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LIST
of components of choice for the educational program
«8D04105 Economics»

Duration of study: 3 years

Form of study: full-time

Year of admission 2024

Name of disciplines	Discipline code	Credit	Term
Basic disciplines			
Component of choice 1			1
Organization and methodology of teaching economic disciplines	OMPED7203	5	
Empirical methods of international economics research	EMIME7203	5	
Profile disciplines			
Component of choice 1			1
Economic and mathematical modeling of business processes	EMMBP7304	5	
Key concepts of modern management	KKSM7304	5	