

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

**CATALOGUE OF ELECTIVE COURSES**  
8D04105 Economy

year of admission – 2022

Semey, 2022

Reviewed and approved at the meeting of the Faculty's Educational and methodological Council  
Protocol no. 5 from 20.05. 2022 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 25.05. 2022 year

Chairman of the UMS \_\_\_\_\_ Jarykbasova C.S.



| № 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)  |
|---|---|-------------------|-----------------------------|--|---|
| <b>BASIC DISCIPLINES</b>                              |   |                   |                             |  |   |
| <b>Components of choice (CC)</b>                      |   |                   |                             |  |   |
| <b>Module 2. Methodology of teaching and research</b> |   |                   |                             |  |   |
| 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><b>Summary of the discipline:</b> Features of the methodology of teaching economic disciplines. Academic methods of teaching economic disciplines. Active and interactive teaching methods. Project activity as a method of teaching economic disciplines. Organization and control in the process of studying economic disciplines. Methods of organizing independent work of students. Scientific organization of the research process and pedagogical activity.</p> <p><b>Expected result:</b><br/>To know: theoretical foundations of the methodology of teaching economic disciplines; didactic foundations of the transformation of scientific information into educational, structuring and selection of the content of educational material.<br/>Be able to: to rationalize pedagogical technologies for choosing the most optimal ones in the process of teaching economic disciplines and implementing pedagogical tasks; to generalize the results of information sources, develop methodological foundations of applied ones and be able to develop and conduct various classes in economic disciplines, using the most effective methods and techniques of teaching when studying relevant topics and sections.<br/>Skills: possess the basic methods of objective diagnostics and evaluation of economic knowledge; practical skills to activate the learning process, taking into account the peculiarities of studying and mastering economic information.</p> <p><b>Competencies:</b> special</p> |
| 1   | Empirical methods   | 5                 | Master's                    | Performing   | <b>Summary of the discipline:</b> Empirical   |

|  |                                     |  |                    |   |   |
|--|-------------------------------------|--|--------------------|---|---|
|  | of studying international economics |  | degree disciplines | research work of doctoral students, including writing a doctoral dissertation | <p>research methods: basic concepts and principles of classification. Observation as an empirical research method. Methodology and organization of qualitative research. The practice of applying the observation method in international economics and marketing. Types and characteristics of the economic experiment. Material (classical) and computational experiment. The role and significance of experiment in scientific research.</p> <p><b>Expected result:</b><br/>To know: methodology and organization of empirical research.<br/>Be able to: generalize the results of information sources, develop methodological foundations of applied research. Choose analytical tools, distinguish 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 having the skills to work with a scientometric database and their applications, such as Web of Science and Scopus.</p> <p>Skills: 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.</p> <p><b>Competencies:</b> special</p> |
|--|-------------------------------------|--|--------------------|---|---|

**MAJOR DISCIPLINES**

**Components of choice (CC)**

**Module 4. Development of economic and scientific potential**

|          |  |   |                             |   |   |
|----------|--|---|-----------------------------|---|---|
| <b>1</b> | Economic and mathematical modeling of business processes | 5 | Master's degree disciplines | Performing research work of doctoral students, including writing a doctoral | <p><b>Summary:</b> Business model concepts. Analysis of the evolution of business models. Directions of use and a modern approach to building business models. Search algorithm, model selection and structure. Forecasting business models.</p> <p><b>Expected result:</b></p> |
|----------|--|---|-----------------------------|---|---|

|   |                                   |   |                             |  |   |
|---|-----------------------------------|---|-----------------------------|--|---|
|   |                                   |   |                             | dissertation   | <p>To know: 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 relations between management and owners, criteria for choosing rational strategies and tactics, their interaction; tools for the development and implementation of public-corporate partnership projects in the commercial sphere; basic approaches to the development of strategies and tactics of commercial organizations.</p> <p>Be able to: establish a link between the business model and the company's strategy; apply various tools and procedures for identifying the business model used; understand the specifics of the formation of business models in commercial structures; apply tools for building integrated corporate structures; organize and implement the process of scientific research, formalizing the results of scientific activities for entering them into databases; determine the structure of the article and prepare it for publication, including having the skills to work with a scientometric database and their applications, such as Web of Science and Scopus; make strategic decisions concerning the development of corporate entities, including participation in public-corporate partnership projects, including in relation to the commercial sphere.</p> <p>Skills: 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.</p> <p><b>Competencies:</b> special</p> |
| 1 | Key concepts of modern management | 5 | Master's degree disciplines | Performing research work of doctoral students, including | <p><b>Summary:</b> Modern trends in management development in conditions of uncertainty and macroeconomic challenges. The key points of the modern system of views on management.</p>   |

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  | <p>writing a doctoral dissertation</p> | <p>Models of the management process of socio-economic systems.</p> <p><b>Expected result:</b></p> <p>To know: knowledge systems about management, information management and the theory of quality management; about modern management methods and their application in management activities; about the principles and methods of information resource management.</p> <p>Be able to: 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: 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; skills in using improvement tools in practice; navigate modern business models of economics and management, determine the directions of their use; be competent when choosing an algorithm and business structure-models, predict future trends; independently organize the activities of the information system of the enterprise and solve issues related to the organization and management of the information process.</p> <p><b>Competencies:</b> 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 2022

| Name of disciplines   | Discipline code | Credit | Term |
|---|-----------------|--------|------|
| <b>Basic disciplines</b>                                      |                 |        |      |
| <b>Component of choice 1</b>                                  |                 |        | 2    |
| Organization and methodology of teaching economic disciplines | OMPED7203       | 5      |      |
| Empirical methods of international economics research         | EMIME7203       | 5      |      |
| <b>Profile disciplines</b>                                    |                 |        |      |
| <b>Component of choice 1</b>                                  |                 |        | 1    |
| Economic and mathematical modeling of business processes      | EMMBP7304       | 5      |      |
| Key concepts of modern management                             | KKSM7304        | 5      |      |