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Protocol № 15  
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Chairman of the Board  
S. Seifullin Kazakh agrotechnical  
K. Kurishbayev  
2019

**EDUCATIONAL PROGRAM**

"Economics and Organization of the AIC"  
(name of the program)

Education Area Code and Classification: 8D04 Business, Government, and Law

Code and classification of training areas: 8D041 Business and Management

Code in International Standard Classification of Education: 0410

Qualification: PhD in educational program "Economics and Organization of AIC"  
(according to appendix 4 of SES)

Duration of study: 3 (scientific and pedagogical direction)

**Authors:**

1. **Full name** - academic degree, title, position, place of work

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The team of authors approved by the order of JSC " S.Seifullin KATU " № 932-H of 12.12.2018; №962-H of 28.12.2018; №964-H of 28.12.2018

Educational program " Economics and organization of agribusiness " considered at the meeting of the department Economics No. 27 dated January 23, 2019 approved by the Faculty Council Protocol No. 8, April 19, 2019

Acting as a Dean of the Faculty of Economics



S. Aitkhozhin

Head of the Economics Department



N. Meleshenko

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## 1 Passport of the educational program

1.1 *The purpose of the educational program:* The purpose of the doctoral educational program is to prepare international-level PhD doctors for scientific and pedagogical work in the development of theoretical and methodological provisions for analyzing economic processes and systems, as well as professional activities related to the use and improvement of modeling and forecasting methods for economic and industrial processes in an innovative economy.

The main goal of the educational policy in doctoral studies is to ensure the modern quality of education based on preserving its fundamental nature, unifying educational standards and programs in line with global trends, educating the intellectual elite.

2 *General characteristics of the educational program* (relevance, features, competitive advantages, uniqueness, stakeholders, etc.)

*Relevance.* Graduates of the doctoral program are the most sought-after specialists with a systematic vision of economic problems, able to identify commercial opportunities for the application and implementation of research results, to conduct an examination of research problems, to effectively manage high-tech projects.

*Features of the program.* Doctoral studies are conducted by highly qualified faculty, including invited foreign professors from leading foreign universities. Doctoral students will be trained in the most modern methods of economic analysis. The organization of research activities is built in close contact with leading domestic and foreign scientists.

*Competitive advantages.* The basis of the EP are professorial scientific seminars, author courses, guest lectures, master classes of famous scientists and practitioners. Applied research is carried out in the framework of scientific schools of leading scientists of the Republic of Kazakhstan. The effective implementation of the research activities of the EP is facilitated by the functioning of specialized educational and research laboratories and classrooms.

*Uniqueness.* The PhD doctoral educational program is built on the enhanced integration of educational, methodological and research activities focused on the training of scientific and pedagogical personnel with a high level of knowledge, skills, abilities and competencies in the field of economics. The basis of the fundamental educational program of doctoral studies is the author's courses, professorial scientific seminars, guest lectures, master classes of famous scientists and practitioners.



### **3 Competency model (portrait) graduate**

3.1 *Professional activities.* The modern knowledge-based economy leads to the mobility of career prospects for doctoral degrees. The fundamental knowledge and skills acquired during doctoral studies significantly improve the prospects for employment and career development inside and outside the academic field. Obtaining a doctoral degree contributes to the successful career advancement of a specialist in the research, design, economic, analytical, organizational, managerial and pedagogical fields of activity.

3.2 Types of professional activity of scientific-pedagogical, research, economic activities, which are expert-analytical, organizational, managerial, administrative nature in the field of public administration and business activities in the field of agriculture.

#### **3.3 General Education Competences**

A doctoral candidate should have general educational competencies that reflect learning outcomes and characterize his abilities:

- own modern approaches to enterprise management and analytical management methods, methods: diagnostics, analysis and problem solving, decision making and their implementation in organizations;

- be able to solve practical problems of management and make decisions on their implementation in practice, to be prepared for the implementation of management functions and solve professional problems in the interests of the enterprise;

- possess the necessary volume of knowledge, skills and abilities for taking up a relevant managerial position, which are based on a deep understanding of the characteristics of a market economy and its capabilities, an understanding of environmental problems, an awareness of the social responsibility of business, etc. ;

- be able to assess modern problems and prospects for the socio-economic development of Kazakhstan, understand current trends in the development of the world economy and globalization, orient in international competition issues.

#### **3.4 Basic Competences**

In the process of learning a doctoral student acquires basic competencies:

- demonstrate a systematic understanding of the field of study, mastering the skills and research methods used in this field;

- demonstrate the ability to think, design, implement and adapt the essential research process with a scientific approach;

- contribute by own original research to the expansion of the scientific field, which deserves publication at the national or international level;

- critically analyze, evaluate and synthesize new and complex ideas;

- communicate their knowledge and achievements to colleagues, the scientific community and the general public;

- to promote the advancement in the academic and professional context of the technological, social or cultural development of a society based on knowledge.

#### **3.5 Professional Competences**

The educational program allows graduates of doctoral studies to acquire competences in the field of scientific activity in the context of constant updating of

knowledge and modernization of society, qualified and creative analysis of modern problems of economics and management, in organizing and conducting their own and joint research projects, setting urgent tasks and expanding research on economic issues, in understanding the principles of building and improving educational programs in the field of economics, in economic, social, legal and communication aspects of business and management.

#### **4. Base professional practice.**

Scientific and applied studies of doctoral students are conducted as part of international internships at leading universities in Europe and the USA.

Research practices based on large agricultural enterprises also contribute to the effective implementation of research activities. The main partner universities in implementing joint research projects, enhancing academic mobility, organizing scientific internships are: Plovdiv Agrarian University (Bulgaria), P.Stolypin Omsk State Agrarian University (Russia), Varna Free University Chernorizets Hrabar (Bulgaria).



## 5. The structure of the educational program of doctoral studies in the scientific and pedagogical direction

№	The name of the cycles of disciplines and activities	Total complexity	
		in academic-hours	in academic credits
1	2	3	4
1.	Educational component	1590	53
1.1	The cycle of basic disciplines (BD)	480	16
1)	University component	180	6
	Methodology of economic research	180	6
2)	Component of choice	150	5
	Management Economics	150	5
3)	Teaching practice	150	5
1.2	The cycle of the main disciplines (MD)	1110	37
1)	University component	360	12
	Sustainable Agriculture	180	6
	Statistics in the economy	180	6
2)	Component of choice	150	5
	Agribusiness	150	5
3)	Research practice	600	20
2	Research work	3450	115
1)	Doctoral student research work, including internship and doctoral dissertation	3450	115
3	Additional types of training		
4	final examination	360	12
1)	Writing and defending a doctoral dissertation	360	12
	Total	5400	180

Chief of Department on academical issues

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## Appendix 3 Description of the disciplines of compulsory and university components

### Description of the required disciplines

<b>Basic information about the discipline:</b>	
Name of the discipline	Methodology of economic research
2. Number of credits	3
3. Prerequisites:	Economic Theory, Macroeconomics, Microeconomics, Social and Economic Statistics, Business Economics, Econometrics, Mathematical Modeling.
4. Post requisites:	Conducting research and doing a doctoral dissertation.
5. Competences:	<ul style="list-style-type: none"> <li>• possession of scientific analysis methods;</li> <li>• the ability to identify and formulate a problem;</li> <li>• reasonable and competent application of the analytical apparatus;</li> <li>• creative and effective use of methods for planning and organizing research;</li> <li>• the ability to productively interpret the results with the aim of obtaining practically relevant recommendations</li> </ul>
6. Course author	Shulenbaeva F.A.
7. Primary literature	<ol style="list-style-type: none"> <li>1. Методы экономических исследований: Учебное пособие / А.М. Орехов. - 2-е изд. - М.: НИЦ Инфра-М. 2013. - 344 с. - ISBN 978-5-16-005748-4 (<a href="http://znanium.com/bookread.php?book=415515">http://znanium.com/bookread.php?book=415515</a>)</li> <li>2. Сондерс М. Методы проведения экономических исследований / М. Сондерс, Ф. Льюис, Э. Торихалли: (пер. с англ.). - 3-е изд. - М.: ЭКСМО, 2006. - 640 с. (Профессиональное издание для бизнеса).</li> <li>3. Н.Б.Завьялова, А.Н. Головина Методология и методы научных исследований в экономике и менеджменте: учебное пособие для вузов. - Москва-Екатеринбург 6. 2014. - 282 с.</li> </ol>
<b>8. The content of the discipline</b>	
Topic 1. Fundamental aspects of scientific research.	
Theme 2. The specifics of the economy as an object of theoretical analysis.	
Topic 3. Principles of the methodology of economic theory and the degree of knowledge of economic phenomena	
Topic 5. Systems approach: structure and meaning	
Topic 6. Content and implementation of system analysis.	
Topic 7. Methodology and planning stages of research	
Scientific research.	
Topic 8. Methods of theoretical and empirical research.	
Topic 9. Choosing the direction and justification of the research topic	
Topic 10. Development and preparation of a research plan	
Topic 11. Analysis of the categorical apparatus and practical material	
Topic 12. Strategic and operational diagnostics methods	
Topic 13. Economic modeling as optimization of the results of scientific research	
Topic 14. Identification and selection of solutions to problems	
Theme 15. Completion and registration of the results of scientific research.	



## Description of the disciplines of the university component

<b>1. Basic information about the discipline:</b>	
Name of the discipline	Management Economics
2. Number of credits	3
3. Prerequisites:	Economic Theory, Macroeconomics, Microeconomics, Social and Economic Statistics, Enterprise Economics, Management.
4. Post requisites:	The study of the discipline "Management Economics" is necessary for conducting research and doing a doctoral dissertation.
5. Competences:	<ul style="list-style-type: none"> <li>- formation of students' knowledge, skills, abilities and competencies necessary to perform the specific functions of the manager of the application of economic theory to the practical solution of problems of the organization;</li> <li>- obtaining skills of professional substantiation and improvement of the quality of managerial decisions in the field of choosing alternative models of organization behavior;</li> <li>- Practical skills for analyzing demand, production costs;</li> <li>- the ability to develop solutions for the optimal allocation of limited resources between competing activities of the organization.</li> </ul>
6. Course author	Shulenbaeva F.A.
7. Primary literature	<ol style="list-style-type: none"> <li>1. К.К. Сно, Г.С. Вечканов, Г.Р. Вечканова. Управленческая экономика / Учебное пособие, - Владимир, 2012. - 360 с.</li> <li>2. Е.В.Пономаренко, В.А. Исаев. Управленческая экономика: учебник и практикум. - Москва: Юрайт, 2016. - 216 с.</li> <li>3. Г. В. Голикова, Д. С. Петров и др. Управленческая экономика: учеб. пособие для студентов вузов. - Москва: Инфра-Москва, 2015. - 216 с.</li> <li>2. Сно К.К. Управленческая экономика. Текст, задачи и краткие примеры: Учеб. для вузов: Пер. с англ. - М.: ИНФРА-М, 2000. - 669 с.: табл., граф. - (Сер.: Университетский учеб.).</li> </ol>
<b>8. The content of the discipline</b>	
Topic 1. The concept of management economics	
Theme 2. Management economics in an international setting	
Theme 3. Management economics in determining the objectives of the company	
Topic 4. Models of managing the economy to maximize sales	
Topic 5. Managerial economics of the American and Japanese models	
Topic 6. Market demand management	
Topic 7. The use of methods of management economics when taking into account factors of production	
Topic 8. Cost management in the economy	
Topic 9. Various types of competitive markets and pricing analysis	
Theme 10. The role of the state in managing the economy	
Theme 11. Indicative planning	
Theme 12. Public-private partnership in the management economy	
Topic 13. The state budget system	
Theme 14. The effectiveness of investment decisions in the management economy	
Topic 15. Managerial economics as a means of overcoming the crisis.	



## Description of the disciplines of the university component

<b>1. Basic information about the discipline:</b>	
Name of the discipline	Sustainable development of agriculture
2. Number of credits	3
3. Prerequisites:	<b>Prerequisites of the Course</b> -during studying the discipline «Sustainable development of agriculture », the doctoral students rely on the knowledge gained in the course of studying such courses as «Agriculture», «Agrobusiness», «Climate change», «Ecology», «Economy of natural resources», etc.
4. Post requisites:	<b>Postrequisites of the Course</b> -The obtained knowledge in the discipline «Sustainable development of agriculture» will be used by doctoral students in conducting research in the duration of sustainable development, management in agriculture, analysis of stable development in agriculture etc.
5. Competences:	<p>By the end of the course, students should to be able to:</p> <ul style="list-style-type: none"> <li>• Demonstrate a solid understanding of the global sources of agricultural information such as production, yield and trade and how sustainability performance is quantified and translated into financial and economic performance.</li> <li>• Understand how the global agriculture industry poses a great risk to sustainability but also a great investment opportunity across asset classes.</li> <li>• Demonstrate an ability to evaluate, quantify and assess the sustainability of agribusinesses.</li> <li>• Describe how sustainability issues affect the various sectors of agribusiness</li> </ul> <p>Demonstrate an understanding of how integrating sustainability principles and practices into agribusiness and can be used to make a business become more efficient, effective, reduce risks, create opportunities and provide competitive advantage, for companies.</p>
<b>6. Author of course</b>	Agumbayeva Assiya Yerlikovna
<b>7. Basic literature</b>	<p>1. Baumol W.J, Oates W.E. Cambridge University Press; Cambridge, UK: 1988. The theory of environmental policy.</p> <p>2. Funes F, Garcia L, Bourque M, Perez N, Rosset P, editors. Sustainable agriculture and resistance. Food First Books; Oakland, CA: 2002</p> <p>3. IPCC 2001 Climate change 2001: impacts, adaptation and vulnerability. Third assessment report. Intergovernmental Panel on Climate Change. Geneva, Switzerland: IPCC Secretariat. See: <a href="http://www.ipcc.ch">http://www.ipcc.ch</a></p> <p>4. Lampkin N.H, Padel S, editors. The economics of organic farming. An international perspective. CAB International; Wallingford, UK: 1994.</p>
<p><b>8. Содержание дисциплины</b></p> <p><b>The purpose of teaching</b> -to give a holistic view of the modern theory and practice of sustainable development of agriculture, the mastering of modern approaches by the doctoral students in the technical and economic justification of the decisions made, the development of the ability to analyze the situation, and to foresee the long-term consequences of the decisions made in agricultural sphere.</p> <p>The primary goal for the course is to familiarize students with critical components of agribusiness and the metrics to evaluate the sustainability of these activities.</p> <p>Students are assumed to have had no or little previous exposure to agriculture, agricultural economics or agriculture finance. A basic knowledge of Word, PowerPoint and Excel will be useful.</p>	



## Description of the disciplines of the university component

<b>1. Basic information about the discipline:</b>	
Name of the discipline	Agrobusiness
2. Number of credits	3
3. Prerequisites:	For the development of the subject "Agribusiness" is necessary knowledge of economics research methodology, science and design of new technologies.
4. Post requisites:	The knowledge gained by doctoral students on the discipline "Agribusiness" is used in researches in accordance with the theme of doctoral dissertation
5. Competences:	<p>It should be understood: the technology of production of basic products, mechanization of basic technological processes, methods of economic research, analytical methods, regulatory framework of planning, supply and demand, competition, financial security of the enterprise, etc.</p> <p>It is necessary to know: planning of production program of the main industries, standard planning, marginal analysis of agribusiness efficiency, etc.</p> <p>Able to apply: ability to analyze the activities of major enterprises and industries, plan agribusiness development.</p> <p>Development: analysis of business entities and key business structures, designing efficient ways of problem solving, mastering methods of economic substantiation of project effectiveness.</p> <p>Experience: planning, design, state regulation of agribusiness (large, medium, small); Determination of socially significant problems of agrarian and industrial complex: economic substantiation of effective projects: identifying ways to resolve conflicts, etc. there is a need to have a problem solving problem.</p>
<b>6. Author of course</b>	Oraztaeva ZB - Candidate of Economic Sciences, Associate Professor
<b>6.</b>	<p>1. Нұрғалиева А.А. Агробизнесті ұйымдастыру. Оқу құралы, 2015.</p> <p>2. Сүндетов Ж.С. Агробизнестің экономикалық негіздері. Оқу құралы, 2010.</p> <p>3. Оразтаева З.Б. Агробизнесті ұйымдастыру. Практикум, 2010.</p>
<b>7. Basic literature</b>	Organizational and economic bases of peasant or farms, joint-stock companies and partnerships. Peculiarities of cooperation and integration in agribusiness. Use of Land Resources in Agrobusiness. Current state of agribusiness, main directions of development. State regulation and support of agribusiness. Terms of subsidizing agribusiness. Labor market, its agribusiness features. Use of fixed and working capital in agribusiness. Agribusiness planning system. Taxation in Agrobusiness, peculiarities of insurance.



### Description of the disciplines of the university component

<b>1. Basic information about the discipline:</b>	
Name of the discipline	Statistics in the economy
2. Number of credits	3
3. Prerequisites:	General theory of statistics, probability theory, accounting, economic theory, micro and macroeconomics
4. Post requisites:	thesis
5. Competences:	<p>1) know and own the basic techniques, methods and methods of collecting statistical information. 2) know and be able to apply various methods of statistical summary and grouping of data in the processing of economic information, systematize and synthesize information: 3) know and be able to use statistical methods in the process of economic analysis (relative and average values; indicators of variation, index method, time series, selective observation, etc.) 4) be able to apply statistical methods of analyzing relationships and the dynamics of phenomena: 5) to collect and analyze the source data necessary for the calculation of economic and socio-economic indicators characterizing the activities of economic entities; 6) on the basis of standard methodologies and the current regulatory and legal framework of the Republic of Kazakhstan, calculate the economic and socio-economic indicators characterizing the activities of economic entities; 7) to collect, analyze and process the data necessary for solving the set economic tasks; 8) select tools for processing economic data in accordance with the task, analyze the results of calculations and substantiate the findings; 9) analyze and interpret the data of domestic and foreign statistics on socio-economic processes and phenomena, identify trends in socio-economic indicators</p>
<b>6. Author of course</b>	Ismailova A.S.
<b>7. Basic literature</b>	<p>Годин, А. М. Статистика [Электронный ресурс] : Учебник / А. М. Годин. - 10-е изд., перераб. и испр. - Издательско-торговая корпорация "Дашков и К-". 2013. - 452 с. - // <a href="http://znanium.com/bookread.php?book=430372">http://znanium.com/bookread.php?book=430372</a> Социально-экономическая статистика: Учебное пособие / Я.С. Мелкумов. - 2-е изд. - М.: НИЦ Инфра-М, 2013. - 186 с.// <a href="http://znanium.com/bookread.php?book=366756">http://znanium.com/bookread.php?book=366756</a> Экономическая статистика: Учебник / Под ред. проф. Ю.Н. Иванова. - 4-е изд., перераб. и доп. - М.: НИЦ Инфра-М, 2013. - 668 с.// <a href="http://znanium.com/bookread.php?book=370766">http://znanium.com/bookread.php?book=370766</a>.</p> <p>Интернет-ресурсы: сайт Министерства национальной экономики РК, комитет по статистике <a href="http://stat.gov.kz">http://stat.gov.kz</a> .Официальная статистическая информация, Сборники, квартальные издания, электронные таблицы, аналитика. Оперативные данные (экспресс информация, бюллетени), Информационно-аналитическая</p>

8. The content of the discipline theoretical positions of statistical science for solving specific management problems. Statistical studies for decision-making in stochastic conditions (when the phenomena being analyzed are influenced by chance), for analyzing the elements of a market economy, for collecting information, due to an increase in the number of economic units and their types, audit, financial management, forecasting. The use of specific techniques in economic research, the totality of which forms the methodology of statistics (methods of mass observations, groupings, generalized indicators, time series, index method, etc.). The use of specific methods in statistics in accordance with the objectives of the study and the nature of the initial information. At the same time, statistics is based on such dialectic categories as quantity and quality, necessity and contingency, causality, regularity, individual and mass, individual and general. Statistical methods are used comprehensively (systemically). This is due to the complexity of the process of economic and statistical research, consisting of three main stages: • first - the collection of primary statistical information; • the second is a statistical summary and processing of primary information; • the third is a compilation and interpretation of statistical information. Features of statistical analysis: the method of mass observation, the scientific validity of the qualitative content of groups and its results, the calculation and analysis of generalized and generalized indicators of the objects under study.