


Ministry of Agriculture of the Republic of Kazakhstan  
S.Seifullin Kazakh Agrotechnical University.

Reviewed  
APPROVED  
at the meeting of the University  
Academic Council  
Protocol № 16  
dated 27 05 2021

Deputy Chairman of the Management Board  
for academic activities - Rector of the NJSC  
"S.Seifullin Kazakh Agro-Technical  
University"  
Abdyrov A.M.  
" 27 " 05 " 2021



**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)

Nur-Sultan 2021

**Authors:**

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

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Protocol № 12 from 13 09 2021, approved by the Faculty Council

Protocol №. 9 " 18 " 05 2021

Acting as a Dean of the Faculty of Economics



A. Pygay

Head of the Economics Department



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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.	Educational component	1350	45
1.1	The cycle of basic disciplines (BD)	750	25
	Methodology of economic research	150	5
	Academic writing	150	5
1)	University component	300	10
	Sustainable Agriculture	150	5
	Statistics in the economy	150	5
2)	Teaching practice	300	10
1.2	Cycle of majors	600	20
1)	University component	300	10
	Management Economics	150	5
2)	Research practice	300	10
2	Research work	3690	123
1)	Doctoral student research work, including internship and doctoral dissertation	3690	123
3	Additional types of training		
4	final examination	360	12
1)	Writing and defending a doctoral dissertation	360	12
	Total	5400	180







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

### Description of the required disciplines

<b>Basic information about the discipline:</b>	
1. Name of the discipline	Methodology of economic research
2. Number of credits	5
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	<p>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></p> <p>2. Сондерс М. Методы проведения экономических исследований/ М. Сондерс, Ф. Льюис, Э. Торнхилл; (пер. с англ.).-3-е изд.- М.: ЭКСМО, 2006. - 640 с. (Профессиональное издание для бизнеса).</p> <p>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.</p>
<b>8. The content of the discipline</b>	
<p>Topic 1. Fundamental aspects of scientific research.</p> <p>Theme 2. The specifics of the economy as an object of theoretical analysis.</p> <p>Topic 3. Principles of the methodology of economic theory and the degree of knowledge of economic phenomena</p> <p>Topic 5. Systems approach: structure and meaning</p> <p>Topic 6. Content and implementation of system analysis.</p> <p>Topic 7. Methodology and planning stages of research Scientific research.</p> <p>Topic 8. Methods of theoretical and empirical research.</p> <p>Topic 9. Choosing the direction and justification of the research topic</p> <p>Topic 10. Development and preparation of a research plan</p> <p>Topic 11. Analysis of the categorical apparatus and practical material</p> <p>Topic 12. Strategic and operational diagnostics methods</p> <p>Topic 13. Economic modeling as optimization of the results of scientific research</p> <p>Topic 14. Identification and selection of solutions to problems</p> <p>Theme 15. Completion and registration of the results of scientific research.</p>	



Основная информация о дисциплине:	
Name of the discipline	Academic writing
2. Number of credits	5
3. Prerequisites:	Statistics, enterprise economics
4. Post requisites:	Dissertation writing
5. Competences:	<p>As a result of mastering the discipline, doctoral students should develop the following professional competencies:</p> <ul style="list-style-type: none"> <li>- possession of the text analysis technique, contributing to the accurate perception of the original statement;</li> <li>- possession of the method of working with text, including the search for information in reference, special literature and computer networks.</li> <li>- the ability to formulate and substantiate their own thoughts, ideas and convey them to the target audience;</li> <li>- possession of the skill of writing scientific texts, be able to structure, format, select the style and language of description; successfully exist in an academic environment.</li> </ul>
6. Course author	
7. Primary literature	<p>1. Kuvshinskaya Yu. M., Zevakhina NA, Akhapkina Ya. E., ordienko EI; Ed. Kuvshinskaya Yu.M. - ACADEMIC LETTER. FROM RESEARCH TO TEXT. Textbook and workshop for academic bachelor's degree - M.: Yurayt Publishing House - 2019 - 284p. - ISBN: 978-5-534-3297-5 - Electronic text // EBS URAYT - URL: <a href="https://urait.ru/book/akademicheskoe-pismo-ot-issledovaniya-k-tekstu-24762">https://urait.ru/book/akademicheskoe-pismo-ot-issledovaniya-k-tekstu-24762</a></p> <p>2. Bylinsky K.I., Rosenthal D.E. - Literary editing: textbook - FLINT Publishing House - 2017 - 395s. - ISBN: 978-5-9765-0987-0 - Electronic text // EBS LAN - URL: <a href="https://e.lanbook.com/book/99998">https://e.lanbook.com/book/99998</a></p> <p>3. Kotyurova M.P., Bazhenova E.A. - The culture of scientific speech: the text and its editing - "FLINT" Publishing House - 2016 - 30s. - ISBN: 978-5-9765-0279-6 - Electronic text // EBS LAN - URL: <a href="https://e.lanbook.com/book/84360">https://e.lanbook.com/book/84360</a></p> <p>compiled by N.P. Perfilieva - Preparation and editing of scientific text - "FLINT" Publishing House - 2015 - 116s. - ISBN: 978-5-9765-2127-8 - Electronic text // EBS LAN - URL: <a href="https://e.lanbook.com/book/74632">https://e.lanbook.com/book/74632</a></p>
Name of the discipline	Application of writing preparation techniques (free writing, brainstorming), drawing up a plan. The basic principles of creating an essay. Working with scientific texts: referencing. Working with scientific texts: annotation. Bibliography basics: links, description. Review of a scientific publication. Drawing up a summary of a scientific article. Editing academic text. Development of a presentation of your own project.



## Description of the disciplines of the university component

Basic information about the discipline:	
Name of the discipline	Management Economics
2. Number of credits	5
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>Basic information about the discipline:</b>	
Name of the discipline	Sustainable development of agriculture
2. Number of credits	5
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 n 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>
6. Author of course	Agumbayeva Assiya Yerlikovna
7. Basic literature	<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>	