


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

Reviewed by at the meeting of the University
Academic Council
Minutes № 15
«30» 05 2019.

Chairman of the Board of
S.Seifullin Kazakh Agro Technical
University
A.K.Kurishbayev
«30» 05 2019.



EDUCATIONAL PROGRAM
«8D08302 Wildlife»

Code and classification of education field: 8D08 Agriculture and bioresources

Code and classification of training direction: 8D083 Forestry

Code in the International Standard Classification of Education: 0821

Qualification: Doctor of Philosophy PhD in the educational program 8D08302-"Wildlife"

Studying period: 3 years of scientific and pedagogical direction.

Update EPVO – 18.07.2023

Academic committee:

Chairman – Sarsekova Dani Nurgisaevna, doctor of agricultural sciences,
Associate Professor

Committee members:

1. Toktasynov Zhailau Nurmukhanbetovich – candidate of agricultural sciences, associate professor
2. Mazarzhanova Kuralai Mukazhanovna – candidate of agricultural sciences, acting associate professor
4. Abzhanov Talgat Sagidollaevich – PhD, senior lecturer
5. Kopabaeva Arailym Aitbaevna – PhD, senior lecturer
6. Akimzhanov Darkhan Shoganbekovich - PhD, senior lecturer
7. Burshakbaeva Laura Muratovna – PhD, senior lecturer
8. Tokmurzin Erik Taizhanovich - candidate of agricultural sciences. Sciences, Deputy Director of «Astana Santekhservice S» LLP

The Academic Committee was approved by order of the NJSC "KATU named after S. Seifullin" № 516-N dated 10/04/2022.

The educational program "Wild Nature" was discussed at a meeting of the Department of Hunting science and Fisheries, protocol № from « » 2023 y

approved by the Council of the Faculty of Forestry, Wildlife and Environment, protocol № ____ «__» _____ 2023 y

Content

No.	Component name	Page (recommended size)
1.	Educational program passport	4
2.	General characteristics of the educational program	4
3.	Competency model (portrait) of a graduate	5
4.	Base of professional internships	6
5.	Structure of the educational program	7
6.	Appendix 1. Academic calendar	8
7.	Appendix 2. Working curriculum	9
8.	Appendix 3. Matrix of achievability of the generated learning outcomes in the educational program using academic disciplines	10

1 Educational program passport

1.1 The purpose of the educational program is to train highly qualified specialists in the field of game management, competitive in the international labor market, with a high level of general and professional culture, capable of self-development, social adaptation, with the ability to scientifically approach solving national problems in this area.

Tasks:

- have an idea of the modern management of hunting farms in the Republic of Kazakhstan and their development;
- be able to use modern methods of recording game animals and birds;
- know the current state of game animals and birds;
- know the regulations in the field of hunting and environmental legislation; economics of profitable hunting management;
- be able to apply in practice scientifically based methods of managing the introduction of hunting production;
- solve management problems of hunting management;
- have skills in the role of a top manager of hunting production, marketing of hunting products, the use of scientific, laboratory and field equipment and technical means in the study of game animals;
- be competent in matters of organization and management of hunting production, drawing up hunting management projects, state control in the field of protection, reproduction and use of wildlife.

1.2 Learning outcomes

ON 1. Be able to systematize and generalize the results of scientific research in the field of science and education by applying a set of research methods in solving specific research problems. Conduct and analyze the results of scientific research using modern scientific methods and technologies

ON 2. Describe the results of scientific research when writing academic texts, taking into account scientific knowledge. Conduct scientific examination of projects, review biological justifications, scientific developments in the field of protection, reproduction and use of wildlife

ON 3. Evaluate and carry out typologies and bonitirovki hunting grounds, own methods of accounting for the number of hunting animals, biotechnologies and biotechnical measures in the hunting economy, have an idea of the regulation of the structure of the population of hunting animals, as well as hunting equipment. To know the importance of hunting and hunting in the modern system of nature management and regional planning, the role of hunting in the sustainable development of territories

ON 4. Conduct monitoring of wildlife according to a unified state system in order to timely identify, prevent and eliminate the consequences of negative processes and phenomena for the conservation of biological diversity and ensure scientifically based use of wildlife objects

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

The educational program "Wildlife" was created in accordance with the Law of the Republic of Kazakhstan dated July 9, 2004 "On the protection, reproduction and use of wildlife" taking into account the request of employers. This educational program solves the main problems of biodiversity conservation and rational use of hunting resources and will allow the future specialist to develop basic competencies.

The relevance of the educational program lies in the fact that it reflects environmental protection issues in the field of wildlife conservation and hunting management, taking into account modern realities, the use of a scientific approach in regulating the number of animals, and acclimatization issues.

The peculiarity of this educational program is that it takes into account the world experience in hunting and organizing hunting (Western Hungarian University, Warsaw University of Life Sciences, Vyatka Agricultural Academy, Irkutsk Agricultural University), as well as taking into account the work and proposals of UNDP, ASBK and etc.

The competitive advantage of the educational program is that, based on the experience of various countries, this EP is aimed at solving issues of protection and rational use of the animal world of the Republic of Kazakhstan, taking into account the peculiarities and uniqueness of the hunting fauna.

The uniqueness of the educational program lies in the fact that it reflects significant tasks in the field of development of hunting farms and wildlife protection in the Republic of Kazakhstan, and in particular the issues of game breeding, intensification of hunting farms and the development of national types of hunting, as well as the EP is synchronized with the EP of leading foreign universities in Hungary and the Czech Republic, Poland, Russia. To implement the educational program, there is an appropriate material and technical base (training and production hunting and fishing farm "Dudaray", UAZ cars, motor sleds, observation devices for living objects, watercraft, fishing gear, etc.), as well as bases of practices, provided by employers such as the Committee of Forestry and Wildlife of the Ministry of Agriculture of the Republic of Kazakhstan, regional territorial inspections of the KLKHFM of the Ministry of Agriculture of the Republic of Kazakhstan, the public association of hunters and hunting entities "Kansonar", "Okhotzooptom", State Scientific and Production Enterprise "Boroboy", State Nature Reserve "Korgalzhyn" and other entities in the field hunting and fur farming.

3 Competency model (portrait) of a graduate

3.1 Spheres of professional activity: Committee of Forestry and Wildlife under the Ministry of Agriculture of the Republic of Kazakhstan ; environmental organizations; educational activities in higher educational institutions of agricultural and biological profiles; scientific and managerial activities in research and production institutions; management activities in the offices of local, district, regional, republican structures; zoos, reserves, hunting grounds of various forms of ownership; state natural reserves, zoological reserves, national natural parks and other specially protected natural areas; government agencies for the protection of forests and wildlife; republican and regional bodies of state management of wildlife and hunting; tourist organizations and public associations of hunters and fishermen.

3.2 Types of professional activity: breeding, keeping and use in hunting farms of various types of commercial game animals and birds ; procurement, primary processing, processing and marketing of game products and hunting products ; organization and implementation of hunting management and creation of conditions for sports, amateur and commercial hunting, development of measures for semi-free keeping and rearing of game; carrying out biotechnical measures to increase the number of animals and birds; selection work, veterinary and sanitary measures, feeding and keeping of animals and birds; carry out measures to protect and control the rational use of natural biological resources; conduct research and development, carry out design and survey work, scientific and organizational activities in various areas of hunting; carry out organizational and technological activities at all production enterprises of the hunting industry, carry out management activities, performing management and marketing tasks.

3.3 General educational competencies

Be able to independently resolve issues regarding:

- collection, analysis and interpretation of information (instrumental competence); breeding situations commercial hunting animals and birds ;
- development of ideas and critical argumentation (interpersonal competence);
- self-motivation and self-management (system competence);
- implementation of methods and technologies for semi-free keeping of game animals ;
- development of plans for the rational use of natural biological resources .

3.4 Basic competencies

- organize and conduct production, research and teaching work;
- be able to apply in practice scientifically based methods of managing hunting production;
- solve management problems of hunting management;
- be able to correctly evaluate the results of scientific and practical activities;
- conduct practical and laboratory classes with students;
- on the preparation of feasibility studies and the development of plans and programs for innovative projects;
- carry out design and survey work using modern equipment and information technologies;
- use a foreign language fluently as a means of business communication.

3.5 Professional competencies

- the ability to use regulatory legal documents regulating the organization and methodology of conducting research work in the hunting industry.
- issues of organization and management of hunting production, drawing up hunting management projects, state control in the field of protection, reproduction and use of wildlife.
- scientific foundations of hunting production;
- programs of basic hunting disciplines;
- basic methods of scientific research on the biology and ecology of game animals;
- have skills in the role of a top manager of hunting production, marketing of hunting products, the use of scientific, laboratory and field equipment and technical means in the study of game animals;
- have skills: teaching game management disciplines, be competent in scientific problems of game management, training young specialists.

4 Base for professional internships

Doctoral students, according to the curriculum, undergo teaching and research internships with .

Pedagogical practice is carried out on the basis of the Department of Game Science and Fisheries together with the Department of Vocational Training.

The bases for research practice are the hunting grounds of the Russian State Institution "Committee of Forestry and Wildlife of the Ministry of Agriculture of the Republic of Kazakhstan", LLP "Zharkul-2002", KH "Aika" OH "Zaysanskoye", RGU "Almaty Regional Territorial Inspectorate of Forestry and Wildlife", RSU "Irgiz-Turgai State Reserves", RSU "Sairam-Ugam State National Natural Park", RSU "Karkaraly State National Natural Park", RSU "Ustyurt State Nature Reserve", RSU "Zhongar-Alatau National Natural Park", RSU "Katon-Karagai SNNP", KGO "Department of Natural Resources and Environmental Management of Zhambyl Region", RSU "Kyzylorda Regional Territorial Inspectorate of Forestry of Wildlife", ROO "Tazi Tobet Boribasar", NGO "Society of Hunters and Fishers of Astana and Akmola Region", Central Federal District RGKP "PO Okhotzooptom", Representative office of the Republican Association of public associations of hunters and hunting entities "Kansonar" in the Karandinsky region, East Kazakhstan regional public association of hunters and fishermen.

5 Structure of the doctoral educational program in the scientific and pedagogical direction

№	Name of cycles of disciplines and activities	Total labor intensity	
		in academic hours	in academic credits
1	2	3	4
1.	Educational component	1350	45
1.1	Cycle of basic disciplines (BD)		
1)	University component		
	Methods of scientific researches	150	5
	Academic writing	150	5
2)	Component of choice		
3)	Teaching practice	300	10
1.2	Cycle of major disciplines (PD)		
1)	University component		
	Sustainable development of hunting farms	150	5
	Monitoring and reproduction of the animal world	150	5
3)	Research practice	450	15
2	Research work	3690	123
1)	Research work of a doctoral student, including internship and completion of a 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 1. Academic calendar

Приложение 1 к Академическому календарю
Университета на Учебном курсе НАО "КАТЕФ" им. С.С.Смирнова", созданы 2016 по Д.05.1025 г.

График учебной работы на 2015-2016 учебный год для образовательных программ факультета "Линейные ресурсы, диски хранения и серверная среда"
ДОКТОРАНТУРА

Курс	Сентябрь					Октябрь					Ноябрь					Декабрь					Январь					Февраль					Март					Апрель					Май					Июнь					Июль					Август				
	28	6	13	20	27	4	11	18	25	1	8	15	22	29	5	12	19	26	1	8	15	22	29	5	12	19	26	1	8	15	22	29	5	12	19	26	1	8	15	22	29	5	12	19	26	1	8	15	22	29	5	12	19	26	1	8	15	22	29	5
<p>ВУЗ Диски хранения. Образовательная программа ВУЗ010 - "Учебные программы, диски хранения"</p>																																																												
1	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
2	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02					
3	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03					
<p>ВУЗ Диски хранения. Образовательная программа ВУЗ010 - "Учебные программы, диски хранения" (сезонный набор - 2015)</p>																																																												
1																																																												
<p>ВУЗ Диски хранения. Образовательная программа ВУЗ010 - "Диски хранения"</p>																																																												
1	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01					
2	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02					
<p>ВУЗ Диски хранения. Образовательная программа ВУЗ010 - "Диски хранения" (сезонный набор - 2014)</p>																																																												
1	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01					
2	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02					
<p>ВУЗ Диски хранения. Образовательная программа ВУЗ010 - "Диски хранения" (сезонный набор - 2013)</p>																																																												
1																																																												

Условные обозначения:

- 01 - Дневная форма
- 02 - Дневная форма
- 03 - Дневная форма
- 04 - Дневная форма
- 05 - Дневная форма
- 06 - Дневная форма
- 07 - Дневная форма
- 08 - Дневная форма
- 09 - Дневная форма
- 10 - Дневная форма
- 11 - Дневная форма
- 12 - Дневная форма
- 13 - Дневная форма
- 14 - Дневная форма
- 15 - Дневная форма
- 16 - Дневная форма
- 17 - Дневная форма
- 18 - Дневная форма
- 19 - Дневная форма
- 20 - Дневная форма
- 21 - Дневная форма
- 22 - Дневная форма
- 23 - Дневная форма
- 24 - Дневная форма
- 25 - Дневная форма
- 26 - Дневная форма
- 27 - Дневная форма
- 28 - Дневная форма
- 29 - Дневная форма
- 30 - Дневная форма
- 31 - Дневная форма
- 32 - Дневная форма
- 33 - Дневная форма
- 34 - Дневная форма
- 35 - Дневная форма
- 36 - Дневная форма
- 37 - Дневная форма
- 38 - Дневная форма
- 39 - Дневная форма
- 40 - Дневная форма
- 41 - Дневная форма
- 42 - Дневная форма
- 43 - Дневная форма
- 44 - Дневная форма
- 45 - Дневная форма
- 46 - Дневная форма
- 47 - Дневная форма
- 48 - Дневная форма
- 49 - Дневная форма
- 50 - Дневная форма
- 51 - Дневная форма
- 52 - Дневная форма

Appendix 2. Working curriculum

РАБОЧИЙ УЧЕБНЫЙ ПЛАН
на 2023-2026 учебные годы
для Модульной образовательной программы "Дикая природа"
область образования 8D08 – Сельское хозяйство и биоресурсы
направление подготовки 8D083 –
специальность/ группа образовательных программ D133 – Лесное хозяйство
Степень: Докторантура по направлениям (научно-педагогическое)
Форма обучения: Очное (докторантура н-п 3 года) семестры
Год поступления: 25-05-2023

Шифр модуля	Наименование модуля	Цикл дисциплины	Компонент дисциплины	Код дисциплины	Наименование дисциплины	Академические кредиты	Контроль по академическим периодам					Объем в часах					Распределение кредитов по академическим									
							Экзамены	Дифференцированный зачет(практика)	Дифференцированный зачет(курсовая)	Практика/НПР	Курсовая работа/проект	Всего	Аудиторные	в т.ч.			СРДП	СРД	1 курс		2 курс		3 курс			
														Лекции	Практические	ЛПЗ			1	2	3	4	5	6		
																									Неделя в академическом периоде	
15	15	15	15	15	15																					
Модули специальности образовательной программы																										
1	Методы научных исследований и академическое письмо	БД	ВК	AP 7202	Академическое письмо	5	1				150.0	45.0	0	45	0	30	75	5.0								
2		БД	ВК	MNI 7202	Методы научных исследований	5	1				150.0	45.0	15	30	0	30	75	5.0								
3	Педагогическая практика	БД	ВК	PP 7205	Педагогическая практика	10			300	300.0		0	0	0	0	0		10.0								
4	Исследовательская практика	БД	ВК	IP 7203	Исследовательская практика	5			150	150.0		0	0	0	0	0		5.0								
5		БД	ВК	IP 8204	Исследовательская практика	10			300	300.0		0	0	0	0	0		10.0								
6	Управление и восстановление популяции животных	ПД	ВК	URON 7304	Устойчивое развитие оленевых хозяйств	5	1			150.0	45.0	15	30	0	30	75	5.0									
7		ПД	ВК	MVZhM 7305	Мониторинг и воспроизводство животного мира	5	1			150.0	45.0	15	30	0	30	75	5.0									
Научно-исследовательская работа (НИР)																										
8	Научно-исследовательский	НИР	ОК	NIRDVVDD	Научно-исследовательская работа докторанта, включая выполнение докторской	10			300	300.0		0	0	0	0	0	10.0									
9		НИР	ОК	NIRDVVDD	Научно-исследовательская работа докторанта, включая выполнение докторской	15			450	450.0		0	0	0	0	0		15.0								
10		НИР	ОК	NIRDVVDD	Научно-исследовательская работа докторанта, включая выполнение докторской	20			600	600.0		0	0	0	0	0			20.0							
11		НИР	ОК	NIRDVVDD	Научно-исследовательская работа докторанта, включая выполнение докторской	30			900	900.0		0	0	0	0	0				30.0						
12		НИР	ОК	NIRDVVDD	Научно-исследовательская работа докторанта, включая выполнение докторской	30			900	900.0		0	0	0	0	0					30.0					
13		НИР	ОК	NIRDVVDD	Научно-исследовательская работа докторанта, включая выполнение докторской	18			540	540.0		0	0	0	0	0									18.0	
Итого теоретического обучения						168	4	0	0	4440	0	5040	180	45	135	0	120	300	30.0	30.0	30.0	30.0	30.0	18.0		
ДВО	Дополнительные виды обучения																									
ИА	Итоговая аттестация																									
						12																				
						12			6																	
Итого						180				4446		5400	180	45	135	0	120	300								

Appendix 3. Matrix of achievability of the generated learning outcomes in the educational program using academic disciplines

No.	Name of the discipline	Brief description of the discipline	Number of credits comrade	Formed learning outcomes			
				RO 1	RO 2	RO 3	RO 4
Cycle of basic disciplines University component							
1	Academic writing	Using of preparation techniques for writing (free writing, brainstorming), drawing up a plan. The basic principles of writing an essay. Work with scientific texts: review. Work with scientific texts: annotation. Bibliography basics: links, description. Review of a scientific publication. Writing a abstract of a scientific article. Academic text editing. Presentation development of own project.	5	V			
2	Methods of scientific researches	The formulation of scientific problems on the basis of existing contradictions between the currently available data on research objects and the knowledge necessary for practical solutions to problems demanded by the society. The topics choice and the scientific justification of its relevance for practical application. Hypothesis formulation, research plan development. Methods of theoretical, experimental research and scientific results presentation.	5		V		
Cycle of specialized disciplines University component							
3	Monitoring and reproduction of the animal world	The discipline studies the basic methods of monitoring and evaluation of reproduction of objects of the animal world related to the objects of hunting, collection, storage, processing, analysis of monitoring data of the animal world, the provision of environmental information obtained as a result of monitoring of the animal world..	5			V	
4	Sustainable development of hunting farms	Discipline involves the study of issues of typology and appraisal of hunting grounds, methods of accounting for the number of game animals, the place of biotechnology and biotechnical measures in hunting, the issues of regulating the structure of the population of game animals, as well as the basics of hunting. The place of hunting and hunting in the modern system of nature management and regional planning, the role of hunting in the sustainable development of territories.and game management in the modern system of environmental management and regional planning, the role of hunting in the sustainable development of territories.	5				V

