


MINISTRY OF AGRICULTURE REPUBLIC OF KAZAKHSTAN
NJSC "KAZAKH AGROTECHNICAL RESEARCH UNIVERSITY named after .
S.SEIFULLIN"

Reviewed
at the meeting
faculty council
Protocol № 5 dated 26.12.2023 y

Affirm:
Dean of the Faculty
Forestry, Wildlife and Environment
Boranbay Zh.T.
" 28 " december 2023 y.



PLAN DEVELOPMENT OF THE EDUCATIONAL PROGRAM
8D08302 – «Wild nature»
for 2024-2028

Reviewed at an expanded meeting of the Department of Hunting and Fisheries

Protocol № 5 dated 1.12.2023 y.

Content

№	Component name	Page
1	Passport of the educational program development plan	3
2	Analytical substantiation of the program	4
2.1	Analysis of the student body	4
2.2	Information about students	4
2.3	Analysis of the internal environment of educational programs (availability of personnel, logistical, information, financial resources)	4
2.4	Analysis of the external environment of educational programs (analysis of the demand for educational programs, analysis of graduate employment, analysis of the competitive environment).	5
2.5	Analysis of teaching staff implementing the educational program (Assessment of the qualifications of teaching staff implementing the OP, as well as the distribution of job responsibilities within the program. Teaching staff internships, advanced training, research (specify topics related to the OP, where they are registered, etc.), conclusion: compliance with qualification requirements, analysis of student satisfaction and teaching staff).	6
2.6	Analysis of students' achievements (achievements of students in educational, scientific, and other fields).	6
3	SWOT analysis of the internal and external environment	6
4	The main goals and objectives of the Development Plan with indications of the terms and stages of its implementation.	7
5	Measures to reduce risks for EP	9
6	Activities for the development of the educational program	9
7	Mechanism of the RP development plan realization	13

1. Passport

Development plan of educational program - 8D08302 – «Wild nature»
for 2024-2028 years

1	Basis for development of the OP development plan	Strategy and subject matter of the development plan of the EP, in accordance with the educational policy of the Republic of Kazakhstan, the purpose of which is to prepare competitive in the labor market specialists of a new formation, possessing broad fundamental knowledge and practical experience, possessing modern methods of protection, control of reproduction and regulation of the use of wildlife and their habitat, as well as all types of hunting, including the provision of services in this area and production of hunting and fur farming products, taking into account the requirements of the requirements of the following areas
2	Main developers of the OP development plan	1. Syzdykov Kuanysh Nygmanovich – Associate Professor of the Department of Game Science and Fisheries, Candidate of Veterinary Sciences 2. Serik Narbaev – Associate Professor of the Department of Game Science and Fisheries, Candidate of Agricultural Sciences 3. Asylbekova Ainur Serikbaevna - Associate Professor of the Department of Game Science and Fisheries, Candidate of Agricultural Sciences Employers: 1. Isakhaev Bakhytzhan Akparovich - Inspector of the Sapsan operational group. RGKP PO Okhotzoprom of the Committee for Forestry and Wildlife of the MENR of the Republic of Kazakhstan, Master of Agricultural Sciences 2. Berber Alexander Petrovich - senior researcher at the Wildlife of Kazakhstan LLP, candidate of biological sciences
3	Timeframe for implementation of the OP	2024-2028yy.
4	Amount and sources of financing	Financing from the state budget, attraction of external sources of financing
5	Expected final results of the RP development plan implementation	Training of highly qualified specialists in the field of 8D08302 – «Wild nature» in accordance with the requirements of domestic and world standards.

2 Analytical substantiation of the program

Updated content of the EP; high quality of graduates training; realization of the EP with the addition of in-depth training taking into account the cognitive ability and needs of students.

2.1 Analysis of the student body

The educational program 8D08302-"Wild Nature" is aimed at developing the ability to apply the skills of the methodology of scientific knowledge and knowledge of advanced concepts in biology and hunting, assess the needs for biodiversity conservation, apply the skills of the methodology of scientific knowledge and knowledge of advanced concepts, analyze the latest theoretical and practical developments, scientific concepts and achievements of world and Kazakh science in the field of hunting and animal husbandry and successfully implement into practice, critically evaluate and systematize information from various sources, conduct scientific research, plan your own professional development taking into account current trends in the field of hunting and animal husbandry, provide methodological support for the educational process using innovative forms and technologies.

The educational program has been developed in accordance with the National Qualifications Framework and Professional Standards, coordinated with the Dublin Descriptors and the European Qualifications Framework.

The importance of the EP for the national economy is determined by the fact that it trains specialists for the labor market to ensure the rational use of the country's natural bioresources.

Educational programs contain theoretical training, including the study of cycles of basic and core disciplines; additional types of training, professional practice, intermediate and final certification. The volume of the EP is 180 credits: 45 credits of theoretical training, including pedagogical and research practices, 123 credits of doctoral research work, 12 credits of final certification.

2.2 Information about students

Currently, 4 doctoral students are studying under EP 8D08302 - "Wild Nature".

Information about students in the 2023-2024 school year

No	Indicators	2023-2024
8D08302 - «Wild Nature»		
1	The contingent of doctoral students, total:	4
2	The number of doctoral students studying under government grants	4

2.3 Analysis of the internal environment of educational programs (availability of personnel, logistical, information, financial resources)

To implement the above educational programs at the department provides access of each student to databases and library funds formed by the full list of disciplines (modules). During independent training students are provided with access to the information-telecommunication network "Internet". Each student is provided with printed and electronic publications for each discipline and each interdisciplinary

course (including electronic databases of periodicals).

The library fund is equipped with printed and electronic editions of the main and additional educational literature on disciplines of all academic cycles, published for the last 5-10 years, as well as reference and bibliographic and periodicals, Russian and domestic journals. The Information and Library Center has a computer room with open access to the Internet. The information and functional system includes several components: the catalog of books and articles of the University Information and Library Center based on the program "MAPK-SGL", working in real time with the help of an automated cataloguer's workplace, the catalog of own developments in full-text mode, electronic resources, Internet resources. Through the Internet in the information and library center there is a connection to the content on hunting, agriculture, electronic library system of publishing house "Lan".

Educational and methodical documents for the specialty are developed in accordance with the existing normative documents such as the state obligatory standards of education, standard curricula for the specialty, developed working curricula, academic calendars, EUMKD for all areas of study, as well as the relevant documentation for the training of bachelors, masters and doctoral students. The direction of preparation of master's and doctoral theses corresponds to the topics of scientific research of the department (funded projects and initiative topics of scientific research).

Particular attention is paid to such issues as increasing the tenure of faculty members, their professional development courses in domestic universities near and far abroad, research institutions, as well as the invitation of leading specialists of the Ministry of Agriculture of the Republic of Kazakhstan, scientists from higher educational institutions abroad.

2.4 Analysis of the external environment of educational programs (analysis of the demand for educational programs, analysis of graduate employment, analysis of the competitive environment).

On EP «Wide Nature» (doctoral studies) employers are:

1 Isakhaev Bakhytzhon Akparovich M.Sc. in Agricultural Sciences, Inspector of operational group Peregrine Falcon. RGKP PO Okhotzooptom of the Committee of Forestry and Wildlife of the MENR RK

2 Berber Alexander Petrovich - Senior Researcher, Candidate of Biological Sciences LLP «Wildlife of Kazakhstan».

There are 6 contracts with economic entities, where the students undergo practical training. The list of farms is given below:

- 1 Karkarala State National Natural Park
- 2 Aksu-Zhabagly State Natural Reserve
- 3 RGU «State National Natural Park «Kokshetau»
- 4 RGU «State National Natural Park «Burabai»
- 5 RGCP «PO Okhotzooptom»
- 6 RGU «Korgalzhyn State Nature Reserve».

Doctoral students undergo research internships in foreign countries. In 2023, doctoral student Kuanchaleev Zh.B. completed a scientific internship at the University of South Bohemia, city of Prague, Czech Republic.

2.5 Analysis of teaching staff implementing the educational program (Assessment of the qualifications of teaching staff implementing the OP, as well as the distribution of job responsibilities within the program. Teaching staff internships, advanced training, research (specify topics related to the OP, where they are registered, etc.), conclusion: compliance with qualification requirements, analysis of student satisfaction and teaching staff).

The implementation of educational programs 8D08302 – «Wild Nature» is carried out by the university teaching staff in accordance with the cycle of basic and core disciplines.

Sedateness according to EP 8D08302 – «Wild Nature»

Academic year	Sedateness according to EP 8D08302 – «Wild Nature»
2023-2024	100

Employees of the department for the period from 2020 to 2023. underwent advanced training at the Irkutsk State Agricultural Academy named after A.A. Ezhevsky (Karagoishin Zh.M., master’s student Pazyl T.).

The teaching staff of the OP "Hunting and Animal Husbandry" took advanced training courses in Almaty on the platform of the scientific center "Global Professional Development": in 2022, Burshakbayeva L.M., Kazikhanova S.R., Arynova R.A., Bekeeva S.A., Narbaev S.N.

2.6 Analysis of students' achievements (achievements of students in educational, scientific, and other fields).

The department conducts scientific research on contractual topics, in which students directly participate. In 2019, the «Development of a biological justification for the artificial breeding and introduction of the common pheasant (*Phasianus colchicus*) in the green zone of Nur Sultan» and «Development of a biological justification for the breeding and reproduction of representatives of the order of diurnal birds of prey (Falconiformes) peregrine falcon, gyrfalcon, saker falcon» were carried out. In 2020, «Biological justification for the artificial breeding and introduction of common quail (*Coturnix coturnix*) and grey partridge (*Pedix pedix*) in the territories of the green belt of Nur Sultan»

In accordance with the requirements of the labor market and at the suggestion of employers, new elective disciplines are introduced into work curricula and catalogs of elective disciplines.

3 SWOT analysis of the internal and external environment

Strengths	Weaknesses
1. Compliance of the content of the educational programs of the State Educational Institution with modern requirements of science and consumers, as well as their regular updating, due to constant changes in the needs of the graduate's competence, processes and economic integration; 2. Step-by-step planning of the process of	1. Insufficient number of interuniversity student exchange programs and teacher internships. 2. Lack of scientific projects in the field of hunting and animal husbandry. 3. The work on concluding contracts with business entities is not active

<p>mastering educational programs according to the trajectory independently chosen by students in accordance with the rules of the credit system of education;</p> <p>3. The combination of theoretical and practical training, independent work in educational programs, as well as the availability of compulsory and elective disciplines, including components for preparing for professional activity, the development of intellectual skills, creative abilities and personality of the student;</p> <p>4. Development and introduction into the educational process of innovative forms, methods of mastering educational programs, multimedia tools that provide training for highly qualified specialists;</p> <p>5. Improvement of the intra-university quality management system, the presence of structures for monitoring and monitoring the effectiveness of students' development of educational programs;</p> <p>6. Interdisciplinary communication.</p> <p>7. Provision of computers and Internet access, updating of the library fund.</p>	<p>enough.</p>
<p>Opportunities</p>	<p>Threats</p>
<p>1. The ability of educational programs to bring them to a new high-quality level, including the international level.</p> <p>2. Cooperation of agricultural universities of the republic in the training of specialists, exchange of experience in improving the effectiveness of educational programs.</p>	<p>1. The high cost of educational services compared to the average market price offered by competing universities.</p>

4 The main goals and objectives of the Development Plan with indications of the terms and stages of its implementation.

The development plan for master's degree educational programs according to EP 8D08302 – «Wild Nature» was developed based on requests from employers. The purpose of the educational program is to train competitive, in the labor market, specialists of new formation, possessing broad fundamental knowledge and practical experience, possessing modern methods of protection, control of reproduction and regulation of use of wildlife and their habitat, as well as all types of hunting, including the provision of services in this area and production of hunting and animal husbandry products, taking into account the requirements of employers. Providing economic entities of the Republic of various forms of ownership with highly qualified specialists possessing high theoretical and practical skills, capable of implementing the following

principles as: - priority of practice-oriented knowledge; - orientation to the development of local and regional community; - formation of the need for continuous development and innovative activity in the professional sphere, including continuing education; - formation of readiness to make decisions and act professionally in non-standard situations.

The main objectives of the Development Plan are the following:

№	Name of task	Stages of development	Development timeframe
1	Improving and improving the conditions for obtaining full-fledged, high-quality vocational education	The entire academic period	Development of measures to improve educational services for the development of professional skills
2	Development of EP in accordance with the state compulsory standard of higher education and a classifier of areas of personnel training that form the basic professional competencies of future specialists in game management and fur farming	The entire academic period	When updating the content of the EP, include disciplines recommended by employers and competencies.
3	Creating prerequisites for the student's independent research activities as part of an experiment at all stages of training	The entire academic period	Inclusion of search, research and experimental work in the study of EP
4	Development of activities for mastering work with scientific and technical information using domestic and foreign experience in professional activities	The entire academic period	Carrying out activities to analyze and process the results obtained
5	Organization of consultations for employers and research institute scientists when choosing relevant and practically significant topics for master's theses	Start of training on EP 8D08302 - "Wild Nature"	Creation of a list of relevant and practically significant topics, taking into account the proposals of employers and taking into account the research work of the department (state budget programs).
6	Involving students in the research work of the department by including them in research programs.	The entire academic period	Inclusion of students in the staff of grant programs.

7.	Implementation of research internships in universities of the Republic of Kazakhstan and foreign universities	The entire academic period	Concluding agreements with universities
----	---	----------------------------	---

5 Measures to reduce risks for EP

Risk reduction in the implementation of the OP is an important aspect of the OP development plan. It requires a strategic approach that includes risk identification, the development and implementation of controls, as well as continuous monitoring and improvement. These measures will help ensure the effectiveness of the implementation of the OP, as well as improve its competitiveness in the educational services market.

The following measures are used in the implementation of educational programs to reduce risks :

№	Name of possible risks	Measures to eliminate them
1	Insufficient provision of educational and methodological literature on professional disciplines in the state and English languages	To plan the annual release by scientists and teaching staff of scientific and educational literature in the state and English languages, according to the working curriculum of students
2	Preferential conduct of classes in the traditional way	To improve and introduce innovative technologies of teaching and providing educational services at the level of world standards into the educational process
3	Possible depreciation and possible depreciation of educational and laboratory facilities	Creation of modern educational, research and laboratory facilities based on public-private partnership, purchase of modern laboratory equipment
4	Insufficiency of scientific and pedagogical staff in connection with the retirement of individual employees	Training of highly qualified scientific personnel through master's and doctoral studies (PhD) at the level of modern requirements

6 Activities for the development of the educational program

The educational program development plan is developed on the basis of the strategic development plan of the university and is the main document for defining and solving the problems of the educational program.

The plan for the development of educational programs for the postgraduate 8D08302-"Wild nature"

№	Name of the target indicator	Unit of measurement	Terms of implementation					Expected results	Resource provision
			2024	2025	2026	2027	2028		
1	Formation of an academic committee	Month.	IX	IX	IX	IX	IX	The academic	

	for educational programs								committee will be approved by the order of the Rector of the university
2	Determination of competencies of doctoral studies and EP disciplines	Month.	V	V	V	V	V	V	The competencies of the EP will be determined
2.1	Developing a common position on the competencies of educational programs with employers	Month.	V	V	V	V	V	V	Common positions on OP competencies with employers will be developed
2.2	Development of a common position on the content of disciplines of educational programs with employers	Month.	VI	VI	VI	VI	VI	VI	Common positions on the content of the disciplines of the OP with employers will be developed
2.3	Formation and coordination of EP competencies and disciplines with Dublin descriptors	Month.	VI	VI	VI	VI	VI	VI	The competencies of the OP disciplines will be formed according to the Dublin descriptors
3	Formation of educational programs in accordance with professional standards	Month.	VI	VI	VI	VI	VI	VI	The educational program is formed in accordance with profession

									al standards
4	Drawing up an academic calendar and working curriculum for educational programs	Month.	VI	VI	VI	VI	VI	VI	The academic calendar and working curriculum of the EP have been compiled
5	Consideration of educational programs at an extended meeting of the department with the participation of employers	Month.	VI	VI	VI	VI	VI	VI	OPs will be considered at an extended meeting of the department with the participation of employers
6	Consideration and approval of educational programs at the Academic Council of the Faculty	Month.	VI	VI	VI	VI	VI	VI	The EP will be reviewed and approved by the Academic Council of the faculty

**List of recommended target indicators of the development plan
OP 7M08304 - 8D08302 – "WILD NATURE"**

№	Name of the target indicator	Unit of measurement	Terms of implementation				
			2024	2025	2026	2027	2028
	Quantitative indicators						
1*	The total number of students	dude.	4	1	1	1	2
2	The number of students accepted for training under the state educational order	dude.	1	1	1	1	2
3*	The share of Altyn Belgi students, winners of international Olympiads and competitions of scientific projects of the last three years, winners of presidential, republican Olympiads and competitions of scientific projects of the current academic year (awarded diplomas of 1,2,3 degrees) from their total number	%	-	-	-	-	-
4*	Number of foreign students		-	-	-	-	-
5*	The share of graduates employed in the 1st year after graduation (of the total number of graduates)	%	100	100	100	100	100
6	The number of students studying within the framework of academic mobility (external)	dude.	-	-	-	-	1
7*	Number of students enrolled in academic mobility (internal)	dude.	-	-	-	-	1
8	The number of students enrolled in double-degree	dude.	-	-	-	-	1

	education						
9	• The number of students studying in English	ed	-	-	-	-	-
Direction 1 Improvement of academic activities/improvement of the content of the EP							
10	Development/updating of an OP based on professional standards with the participation of employers	ed	1	1	1	1	1
11*	Passage of specialized accreditation/ post-accreditation in agencies that are full members of international European networks for ensuring the quality of education and included in the register of the authorized body in the field of education	number of EP	1	1	1	1	1
12	Development of joint and double-degree educational programs	number of EP	-	-	-	1	-
13*	The positions of the educational program in the ratings (Atameken, NAAR, QS, etc.)	place	-	-	-	-	-
14	The introduction of innovative teaching methods into the educational process	ed (act of implementation)	-	-	-	1	1
15*	Number of textbooks and teaching aids	ed	1	1	2	2	2
16*	The number of contracts with employers in practice	ed	2	2	2	2	2
Direction 2 Development of human resources							
18*	The number of teaching staff who have completed advanced training in the profile of the disciplines taught (72 hours)	ed	2	2	2	3	3
19*	Number of teaching staff who have completed advanced training/internships in inclusive education (72 hours)	number of IIIIC	-	-	1	-	1
20	Number of teaching staff/ percentage of teaching staff who have completed advanced training in foreign universities, research institutes	Dude/ %	-	-	1	1	1
21*	Number of teaching staff/ percentage of teaching staff who have completed internships	dude./ %	-	1	1	2	2
22*	The number of practitioners involved in lectures	dude.	1	2	2	2	2
23	The number of attracted domestic teachers within the framework of internal academic mobility	dude.	-	-	1	1	1
24*	The number of attracted teaching staff from abroad	dude.	-	1	1	1	1
25	Number of teaching staff/ percentage of teaching staff teaching in English	dude./ %	-	-	-	1/9	1/9
26	• Number of teaching staff/ percentage of teaching staff with international certificates confirming proficiency in a foreign language	dude./ %	-	-	-	1/9	1/9
Direction 3. Development of research potential							
27	The share of citations of scientists' publications in the Scopus database of the total number of citations of scientists of the Republic of Kazakhstan in	%	15	15	15	15	15
28	The number of publications in rating publications according to information resources on the Web of Science platform	ed	-	-	-	-	-
29*	The share of teaching staff participating in educational and research projects from the total number of teaching staff	%	35	35	40	40	40
30*	The number of startup projects implemented by teaching staff and students	ed	-	-	-	1	1
31*	The number of scientists who have completed internships in the world's leading scientific centers within the framework of the 500 Scientists program	ed	-	1	1	1	1
32*	The number of patents obtained within the framework of research, implemented at the expense of the state budget	ed	-	-	1	1	1
33*	The share of projects carried out jointly with OVPO and research organizations of the Republic of Kazakhstan from the total number of scientific projects	%	30	30	30	30	30
34*	Number of publications in KOKSNVO	ed	4	4	5	6	6

35*	The share of income received from innovative developments and commercialized projects of the university	number of	1	1	-	-	-
36*	Number of copyright certificates, patents	number of	-	1	1	1	1
37	The number of students who have won Olympiads, research competitions, etc.	ed	2	3	3	3	3
38*	The proportion of undergraduates and doctoral students involved in research activities	%	80	90	100	100	100
Direction 4. Improvement of infrastructure and material and technical base							
39	The number of laboratories introduced (updated)	ed	-	-	-	-	-
40	Number/Share of disciplines in which online courses (MOOCs) have been developed	ed / %	-	-	-	-	-
41	Number/Share of updated scientific equipment	ed / %	30	30	30	30	30
	Replenishment of the library fund	ed / %	25	30	30	30	30

* - required indicator

7 The mechanism of implementation of the OP development plan

The development of an OP development plan provides an integrated approach to the implementation of activities aimed at achieving the set goal through solving formulated specific tasks, and contributes to the full implementation of planned activities. Monitoring of the implementation of the Development Plan is carried out by analyzing and summarizing information on the implementation of development indicators in the following areas. Based on the results of the monitoring, the Academic Committee prepares a report on the implementation of the Development Plan. The report is drawn up in any form, sent to the Dean of the faculty and is the basis for compiling the annual report of the faculty within the framework of strategic indicators and results for evaluating the Development Strategy of the university as a whole. When compiling a report, it is recommended to reflect the following information:

- 1) analysis and synthesis of the information provided in the Development Plan of the OP;
- 2) on the degree of achievement of the planned performance indicators (if there are deviations of the actual results from the planned
- 3) in case of revision of individual goals, objectives, activities, reallocation of resources, and development of new approaches to solving problems, information on them;
- 4) to improve the effectiveness of the implementation of the OP plan and proposals for making changes to the development plan;
- 5) the degree of influence on the implementation of the goals and objectives of the OP of external stakeholders. The processes of formation, monitoring and implementation of the OP development plan should be based on the principles of openness and transparency. The OP development plan should be posted on the official website of the university. Any interested persons have the right to familiarize themselves with the development plan and its interim results. The development plan of the educational institution and the progress of its implementation are discussed at meetings of departments, meetings of collegial bodies of the faculty, meetings with employers, open seminars, meetings with active students and other events.

Head of the Department



Aubakirova G.A.