
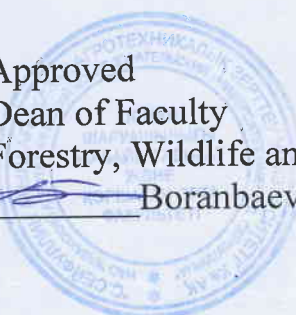


«Kazakh Agrotechnical Research University named after S. Seifullin» KATRU

Considered at the meeting
Academic Council of the Faculty
Record № 5 from
« 26 » 12.2023

Approved
Dean of Faculty
Forestry, Wildlife and Environment
 Boranbaev J.T. « 28 » 12. 2023y.



**DEVELOPMENT PLAN OF EDUCATIONAL PROGRAMS
8D08302 – «WILD NATURE»
FOR THE ACADEMIC YEARS 2024-2028**

Considered at the extended meeting of the department _____
Record № 5 from 1.12.2023

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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	<p>1. Syzdykov Kuanysh Nygmanovich – Associate Professor of the Department of Game Science and Fisheries, Candidate of Veterinary Sciences</p> <p>2. Serik Narbaev – Associate Professor of the Department of Game Science and Fisheries, Candidate of Agricultural Sciences</p> <p>3. Asylbekova Ainur Serikbaevna - Associate Professor of the Department of Game Science and Fisheries, Candidate of Agricultural Sciences</p> <p>Employers:</p> <p>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</p> <p>2. Berber Alexander Petrovich - senior researcher at the Wildlife of Kazakhstan LLP, candidate of biological sciences</p>
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.
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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 Information about the educational program. Educational programs 8D08302- «Wild Nature» are aimed at deep theoretical and practical training of specialists in the field of protection and exploitation of hunting animal resources, training of highly qualified personnel in research, production and technological, organizational and managerial, design and pedagogical activities, competitive in the international labor market specialists in the field of hunting, with a high level of general and a professional culture with the ability of a scientific approach to solving national problems in this area.

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

№ п/п	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 Internal conditions for the development of EP. 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.

Strengths:	Weaknesses:
<ol style="list-style-type: none"> 1. Compliance of the content of educational programs of the State Educational Standards, modern requirements of science and consumers, as well as their regular updating, due to constant changes in the needs for graduate competence, processes and economic integration; 2. Step-by-step planning of the process of mastering educational programs according to the trajectory independently chosen by students in accordance with the rules of the credit system of education; 3. Combination in educational programs of theoretical and practical training, independent work, as well as the presence of compulsory and elective disciplines that include components for preparation for professional activity, development of intellectual skills, creative abilities and personality of the learner; 4. Development and introduction into the educational process of innovative forms, methods of mastering 	<ol style="list-style-type: none"> 1. Insufficient number of inter-university exchange programs for students and teacher internships.

<p>educational programs, multimedia, providing training of highly qualified specialists;</p> <p>5. Improvement of the intra-university quality management system, availability of structures for control and monitoring of the efficiency of students' mastering of educational programs;</p> <p>6. Interdisciplinary connection.</p> <p>9. Provision with computers and Internet access, renewal of the library fund.</p>	
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2.4 Characteristics of the surrounding society. On EP «Wide Nature» (doctoral studies) employers are:

1. Isakhaev Bakhytzhn Akparovich M.Sc. in Agricultural Sciences, Inspector of operational group Peregrine Falcon. RGKP PO Okhotzoprom 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 Okhotzoprom»
- 6 RGU «Korgalzhyn State Nature Reserve».

Opportunities for graduates of the specialty as well as emerging threats.

<p>Opportunities:</p> <p>1. After mastering the educational programs of bachelor's degree graduates have the opportunity to continue their education on educational programs of postgraduate education.</p> <p>2. Cooperation of agrarian universities of the republic in the training of specialists, exchange of experience in improving the effectiveness of educational programs.</p>	<p>Threats:</p> <p>1. The weakness of employers is to formulate requirements for the competence of a graduate, which often differ from the content of the mastered educational programs.</p> <p>2. The high cost of educational services compared to the average market price offered by competing universities.</p>
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2.5 Information about teaching staff implementing educational programs.

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.).

2.6 Characteristics of EP achievement. 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. Characterization of the problems, which the EP development plan is aimed at solving, and justification of the necessity of their solution.

Educational programs were created to train personnel to carry out professional activities in the field of rational use of biological resources, protection and reproduction of wildlife. Trained personnel in these educational programs must have the skills to study the state of animal numbers, possess scientific, production, organizational and managerial skills, capable of conducting experimental and theoretical research on modern problems and methods of protection and reproduction of the animal world, on the development of biotechnical measures for the reproduction of wild animals and birds.

4. The main goals and objectives of the Development Plan with indications of terms and stages of its development. 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 the impact of risks for OP

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

№ п/п	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	The traditional way of conducting classes	To improve and introduce innovative technologies of teaching and providing educational services at the level of world standards into the educational process
3	Outdated educational and laboratory facilities	Creation of modern educational, research and laboratory facilities based on public-private partnership, purchase of modern laboratory equipment
4	Lack of scientific and teaching staff due to retirement	Training of highly qualified scientific personnel through master's and doctoral studies (PhD) at the level of modern requirements
5	Small academic groups of students in Russian	Formation of a contingent of students of this profile through career guidance and information and advertising work, creation of multilingual learning groups

6. Action plan for the development of EP

Plan for the development of educational programs
at 8D08302 – «Wild Nature»

№	Name of events	Implementation timeline	Responsible	Expected results	Resource support
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
1	Formation of the Academic Committee on educational programs	September 2024-2028гг.	Syzdykov K.N., Narbaev S., Asylbekova A.S.	The academic committee will be approved by the order of the Rector of the university	
2	Development of the goals and objectives of	October 2024-2028гг.	Syzdykov K.N., Narbaev S., Asylbekova A.S.	According to modern requirements, the	

	educational programs			goals and objectives of educational programs will be developed	
3	Defining the competencies of the doctoral program and the disciplines of the OP	November 2024-2028гг.	Syzdykov K.N., Narbaev S., Asylbekova A.S.	The competencies of the OP will be determined	
3.1	Developing a common position on the competencies of educational programs with employers	December 2024-2028гг.	Syzdykov K.N., Narbaev S., Asylbekova A.S.	Common positions on PLO competencies with employers will be developed	
3.2	Development of a common position on the content of disciplines of educational programs with employers	December 2024-2028гг.	Syzdykov K.N., Narbaev S., Asylbekova A.S.	Common positions on the content of the PLO disciplines with employers will be developed	
3.3	Formation and coordination of OP competencies and disciplines with Dublin descriptors	January-february 2025-2028гг.	Syzdykov K.N., Narbaev S., Asylbekova A.S.	The competencies of the OP disciplines will be formed according to the Dublin descriptors	
4	Formation of educational programs in accordance with professional standards	January-february 2025-2028гг.	Syzdykov K.N., Narbaev S., Asylbekova A.S.	The educational program is formed in accordance with professional standards	
5	Preparation of the academic calendar and the working curriculum of educational programs	March-april 2025-2028гг.	Syzdykov K.N., Narbaev S., Asylbekova A.S.	An academic calendar and a working curriculum have been compiled.	
6	Consideration of		Syzdykov K.N.,	The OP will be	

	educational programs at an extended meeting of the department with the participation of employers	May 2025-2028rr.	Narbaev S., Asylbekova A.S.	considered at an expanded meeting of the department with the participation of employers	
7	Consideration and approval of educational programs at the Academic Council of the Faculty		Syzdykov K.N., Narbaev S., Asylbekova A.S.	The OP will be reviewed and approved by the Academic Council of the faculty	

7. Mechanism of realization of the educational program development plan.

To carry out purposeful work to increase the number of grants for doctoral studies in the specialty "Hunting and animal husbandry". For the implementation of educational programs, the staff of the department has developed catalogs of elective disciplines with the non-indirect participation of employers. Trips of students to basic farms, to higher educational institutions of the countries of the near and far abroad will be organized. Leading scientists from near and far abroad will be invited to conduct lectures and practical classes for students.

8. Assessment of socio-economic efficiency of the educational program development plan realization.

Socio-economic effect from the realization of the educational program development plan.

As a result of implementation of educational programs in the farms will be implemented scientific developments and recommendations of scientists of the department, as well as explanatory work among graduates.

9. The model of the graduate of this educational program.

As a result of training, the graduate must:

Have effective communication and social skills, including the ability to:

- apply knowledge of philosophy and methodology, higher education pedagogy, and foreign languages in intercultural, professional and scientific activities.
- apply the fundamental concepts of management psychology, knowledge of didactics, theory of education and educational management in teaching activities and in the process of professional development.
- improve systemic fundamental knowledge in the field of zoology.

Know and understand:

- fundamental and applied research in the field of zoology, using modern diagnostic and analytical methods.
- modern methods of geographic information systems (GIS), environmental information in the study of biology and distribution of animals.

Be able to:

- interpret modern research methodology in the field of zoological science.
- predict the conservation and sustainable development of biological diversity using methods of qualitative and quantitative accounting of animal numbers.
- classify methods of bioindication and ecodiagnosics of natural habitats of living organisms for the restoration of disturbed ecosystems.

Be competent:

- develop scientific and scientific-technical programs and projects using scientific and technical information, rules and regulations of the legislative framework for the conservation of biodiversity.
- analyze scientific research, methodology when preparing articles, reports and master's thesis.

Head of the Department



Aubakirova G.A.